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**PHASE II ENVIRONMENTAL BASELINE SURVEY OF  
McCORMICK RANCH, KIRTLAND AIR FORCE BASE,  
NEW MEXICO**

**Part 2 of 5**

**Grace Hagaraty  
Jeff Johnson  
Pete Middlebrooks**

**GRAM, Inc  
8500 Menaul Blvd NE  
Albuquerque, NM 87112**

**31 January 1996**

**Final Report**

DTIC QUALITY INSPECTED 4

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**19961226 026**



**PHILLIPS LABORATORY  
Support Directorate  
AIR FORCE MATERIEL COMMAND  
KIRTLAND AIR FORCE BASE, NM 87117-5776**

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PL-TR-95-1042

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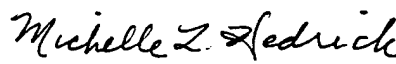
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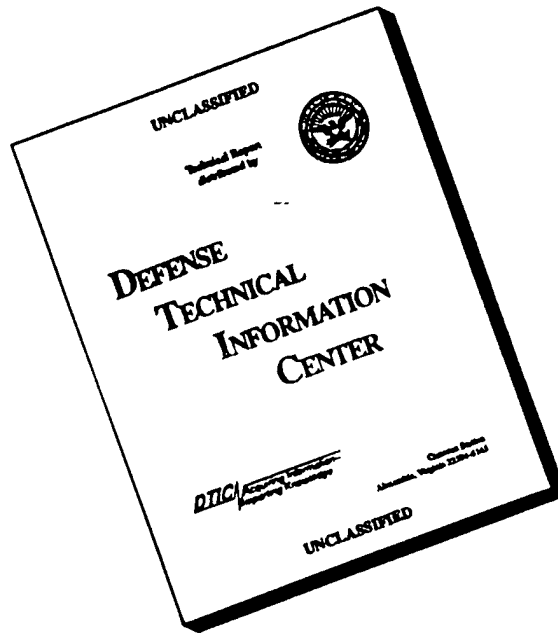
  
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------|------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. Report Date (dd-mm-yy)<br>31 January 1996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              | 2. Report Type<br>Final Report |                                                | 3. Dates covered (from... to )<br>Oct 93 - Jan 95  |                                                                                          |
| 4. Title & subtitle<br>Phase II Environmental Baseline Survey of McCormick Ranch, Kirtland AFB, NM, Part 2 of 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                |                                                | 5a. Contract or Grant #<br>F29601-93-C-0219        |                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                |                                                | 5b. Program Element # 62601F                       |                                                                                          |
| 6. Author(s)<br>Grace Hagaraty, GRAM, Inc.<br>Jeff Johnson, GRAM, Inc.<br>Pete Middlebrooks, LATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                                |                                                | 5c. Project # 9993                                 |                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                |                                                | 5d. Task # 00                                      |                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                |                                                | 5e. Work Unit # SE                                 |                                                                                          |
| 7. Performing Organization Name & Address<br>GRAM, Inc.<br>8500 Menaul Blvd. N.E.<br>Albuquerque, New Mexico 87112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                |                                                | 8. Performing Organization Report #                |                                                                                          |
| 9. Sponsoring/Monitoring Agency Name & Address<br>Phillips Laboratory<br>3550 Aberdeen Avenue, SE<br>Kirtland AFB, NM 87117-5776                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                                |                                                | 10. Monitor Acronym<br>SE                          |                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                |                                                | 11. Monitor Report #<br>PL-TR-95-1042, Part 2 of 5 |                                                                                          |
| 12. Distribution/Availability Statement Approved for Public Release; Distribution is Unlimited                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                                |                                                |                                                    |                                                                                          |
| 13. Supplementary Notes Work done in association with Los Alamos Technical Associates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                                |                                                |                                                    |                                                                                          |
| 14. Abstract The Phase II EBS results document the extent of environmental contamination believed to be present on McCormick Ranch. Explosive test areas having the greatest potential for containing soil contaminants were identified using the following geophysical survey methods: EM 31 terrain conductivity meter, magnetometer/gradiometer, and ground penetrating radar. From the geophysical surveys five areas were selected to conduct further environmental analysis. A total of 310 soil samples were collected from the five areas and 13 specific high explosive test sites. The samples were screened for semi-volatile organic compounds, PETN, TNT, TNT-degradation products, nitrates and radioactivity. Laboratory analyses were performed and no explosives or degradation products were identified. Semi-volatile organic compounds were found in 2 samples, manganese was detected in 3 samples, nitrates were discovered below soil action levels and radiation levels were below background. Consequently, it is unlikely that significant contamination exists. |                              |                                |                                                |                                                    |                                                                                          |
| 15. Subject Terms McCormick Ranch, Environmental Baseline Survey, Contamination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                |                                                |                                                    |                                                                                          |
| 16. Report<br>Unclassified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 17. Abstract<br>Unclassified | 18. This Page<br>Unclassified  | 19. Limitation of<br>Abstract<br><br>Unlimited | 20. # of<br>Pages<br><br>214                       | 21. Responsible Person<br>(Name and Telephone #)<br><br>Michelle Hedrick<br>505-846-4574 |

# SURVEYING RESULTS

| PT.<br>NUMBER | NORTHING       | EASTING       | ELEVATION   | DESCRIPTION |
|---------------|----------------|---------------|-------------|-------------|
| 1             | 1436164.750000 | 404472.100000 | 5264.140000 | START       |
| 2             | 1436288.970000 | 395043.370000 | 5286.400000 | ACSIU17     |
| 81            | 1437654.060410 | 402488.570930 | 5250.723260 | PT81        |
| 82            | 1437648.024170 | 402451.169240 | 5250.163310 | PT82        |
| 83            | 1437621.658990 | 402506.735970 | 5252.118440 | PT83        |
| 84            | 1437608.602340 | 402510.767560 | 5252.790250 | PT84        |
| 85            | 1437544.763990 | 402548.702520 | 5251.643590 | PT85        |
| 86            | 1437535.146250 | 402552.102330 | 5251.684940 | PT86        |
| 87            | 1437389.465540 | 402558.646030 | 5250.738650 | PT87        |
| 88            | 1437395.814820 | 402623.329700 | 5250.373930 | PT88        |
| 89            | 1437298.158860 | 402675.414140 | 5251.094120 | PT89        |
| 90            | 1437348.059470 | 402656.758900 | 5251.005690 | PT90        |
| 131           | 1440309.786150 | 401549.880620 | 5252.426000 | PT131       |
| 132           | 1440289.985140 | 401547.560290 | 5253.545840 | PT132       |
| 133           | 1440300.250280 | 401683.044680 | 5255.914320 | PT133       |
| 134           | 1440303.502050 | 401719.521570 | 5257.623410 | PT134       |
| 135           | 1440189.206470 | 401922.513440 | 5255.989100 | PT135       |
| 136           | 1440207.859310 | 401935.463920 | 5260.389320 | PT136       |
| 137           | 1440188.517160 | 401954.524300 | 5260.067110 | PT137       |
| 138           | 1440170.469450 | 401933.171960 | 5258.450090 | TP138       |
| 139           | 1440459.844350 | 402152.105860 | 5258.784730 | PT139       |
| 140           | 1440452.561220 | 402175.496170 | 5259.013930 | PT140       |
| 141           | 1440472.496000 | 402188.523420 | 5258.911720 | PT141       |
| 142           | 1440486.811070 | 402163.036720 | 5258.880440 | PT142       |
| 143           | 1440081.010760 | 401557.973340 | 5254.532170 | PT143       |
| 144           | 1440078.823810 | 401569.380400 | 5254.536020 | PT144       |
| 145           | 1439996.330520 | 401452.311850 | 5253.038570 | PT145       |
| 146           | 1440011.681630 | 401456.941190 | 5253.679450 | PT146       |
| 147           | 1439978.766930 | 401387.459640 | 5251.325180 | PT147       |
| 148           | 1439982.775880 | 401371.743620 | 5251.453120 | PT148       |
| 149           | 1439795.455090 | 401478.852350 | 5254.852750 | PT149       |
| 150           | 1439818.201200 | 401482.905100 | 5252.799990 | PT150       |
| 151           | 1436972.543330 | 403475.964290 | 5257.849820 | PT151       |
| 152           | 1436930.370730 | 403510.705600 | 5257.861770 | PT152       |
| 153           | 1436928.876330 | 403479.038390 | 5255.254000 | PT153       |
| 154           | 1436945.030520 | 403464.427460 | 5253.670790 | PT154       |
| 155           | 1437127.443730 | 403583.339550 | 5256.830840 | PT155       |
| 156           | 1437131.692270 | 403610.058500 | 5258.825710 | PT156       |
| 157           | 1437152.320550 | 403584.380160 | 5255.062160 | PT157       |
| 158           | 1437140.828990 | 403560.318240 | 5257.989520 | PT158       |
| 159           | 1437127.275030 | 403690.282320 | 5257.477360 | PT159       |
| 160           | 1437148.942400 | 403701.798280 | 5256.063830 | PT160       |
| 161           | 1437151.081620 | 403675.933050 | 5256.260400 | PT161       |
| 162           | 1437165.494760 | 403684.766740 | 5259.837340 | PT162       |
| 163           | 1437128.967150 | 403854.583040 | 5259.409060 | PT163       |
| 164           | 1437147.517320 | 403857.417690 | 5256.094570 | PT164       |
| 165           | 1437165.798000 | 403860.839870 | 5260.694000 | PT165       |
| 206           | 1441189.677430 | 402966.399890 | 5263.581740 | PT206       |

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| 207 | 1441132.556980 | 402964.974770 | 5263.181790 | PT207 |
| 208 | 1441112.605120 | 402968.667320 | 5262.530920 | PT208 |
| 209 | 1441084.827060 | 402965.630400 | 5263.634560 | PT209 |
| 210 | 1441176.504600 | 403066.988240 | 5262.446500 | PT210 |
| 211 | 1441146.959760 | 403064.279880 | 5262.494390 | PT211 |
| 212 | 1441122.040460 | 403068.275330 | 5262.622300 | PT212 |
| 213 | 1441105.363700 | 403066.317670 | 5263.531500 | PT213 |
| 214 | 1440887.487290 | 403249.584620 | 5264.792580 | PT214 |
| 215 | 1440884.517210 | 403263.106040 | 5265.662990 | PT215 |
| 216 | 1440882.141480 | 403276.516900 | 5265.649310 | PT216 |
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| 218 | 1440927.618530 | 403313.562820 | 5267.866940 | PT218 |
| 219 | 1440943.968590 | 403294.675840 | 5266.273750 | PT219 |
| 220 | 1440935.504790 | 403327.801580 | 5266.246050 | PT220 |
| 221 | 1440946.680340 | 403316.244250 | 5266.249450 | PT221 |
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| 223 | 1441177.026920 | 403732.900240 | 5269.666960 | PT223 |
| 224 | 1441176.909410 | 403694.041400 | 5268.458720 | PT224 |
| 225 | 1441191.651000 | 403718.422970 | 5268.662870 | PT225 |
| 226 | 1436968.421020 | 400878.098900 | 5249.869770 | PT226 |
| 227 | 1436980.259370 | 400875.949200 | 5249.852570 | PT227 |
| 228 | 1437085.290980 | 400880.128890 | 5250.676060 | PT228 |
| 229 | 1437075.533520 | 400882.402360 | 5250.691830 | PT229 |
| 230 | 1437204.760660 | 400823.618770 | 5250.934720 | PT230 |
| 231 | 1437202.919880 | 400777.132420 | 5250.976060 | PT231 |
| 232 | 1437500.142280 | 400902.483530 | 5250.106530 | PT232 |
| 233 | 1437500.703760 | 400930.268200 | 5249.765180 | PT233 |
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| 235 | 1437375.645510 | 400979.610440 | 5244.418470 | PT235 |
| 236 | 1437327.003280 | 401001.715630 | 5249.367110 | PT236 |
| 237 | 1437365.195470 | 401010.275730 | 5244.564360 | PT237 |
| 238 | 1437575.813450 | 400902.619420 | 5250.321180 | PT238 |
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| 246 | 1437869.893720 | 400988.789110 | 5250.564340 | PT246 |
| 247 | 1437036.264370 | 400339.882240 | 5248.597350 | PT247 |
| 248 | 1437060.841520 | 400352.568590 | 5249.176670 | PT248 |
| 249 | 1437034.622520 | 400364.945170 | 5246.921970 | PT249 |
| 250 | 1437051.417380 | 400402.332070 | 5243.950560 | PT250 |
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| 254 | 1438960.158020 | 400982.073530 | 5249.692440 | PT254 |
| 255 | 1438976.492150 | 400985.820520 | 5249.778680 | PT255 |
| 256 | 1439001.382690 | 400991.024010 | 5249.961140 | PT256 |
| 257 | 1438955.400610 | 401061.319660 | 5249.996540 | PT257 |
| 258 | 1438980.455130 | 401058.309330 | 5249.297680 | PT258 |
| 259 | 1438959.731070 | 401084.941100 | 5249.511250 | PT259 |
| 260 | 1438964.321840 | 401106.721030 | 5249.979340 | PT260 |

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| 261 | 1438955.952380 | 401134.428470 | 5249.216930 | PT261    |
| 262 | 1438976.676890 | 401134.547580 | 5250.126080 | PT262    |
| 263 | 1438971.254400 | 401171.302230 | 5250.116680 | PT263    |
| 264 | 1438976.258830 | 401199.483780 | 5249.544660 | PT264    |
| 265 | 1438955.653610 | 401212.454020 | 5249.723110 | PT265    |
| 266 | 1438693.822050 | 399910.785870 | 5252.462450 | PT266    |
| 267 | 1438692.761200 | 399930.913340 | 5252.387960 | PT267    |
| 268 | 1438692.070810 | 399954.775320 | 5254.581330 | PT268    |
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| 274 | 1436698.521410 | 401781.308190 | 5251.680860 | PT274    |
| 275 | 1436707.413730 | 401787.660200 | 5251.634350 | PT275    |
| 276 | 1441372.033300 | 403450.986580 | 5268.397850 | PT276    |
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| 278 | 1441368.946120 | 403435.586210 | 5267.971710 | PT278    |
| 279 | 1441355.852310 | 403455.457270 | 5267.966230 | PT279    |
| 280 | 1441392.118130 | 403379.831640 | 5268.643430 | PT280    |
| 281 | 1441447.274000 | 403436.486400 | 5271.016280 | PT281    |
| 282 | 1441400.699630 | 403418.580670 | 5267.201700 | PT282    |
| 283 | 1441412.950430 | 403511.284460 | 5269.013170 | PT283    |
| 284 | 1441367.908460 | 403468.245640 | 5267.185350 | PT284    |
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| 291 | 1436899.001750 | 399935.307770 | 5249.536820 | PT291    |
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| 294 | 1436911.949330 | 399882.441030 | 5249.868340 | PT294    |
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| 296 | 1438607.732360 | 404271.397010 | 5273.035360 | PT296    |
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| 300 | 1438415.987770 | 403907.293010 | 5267.625980 | PT300    |
| 301 | 1436883.213870 | 403111.528100 | 5251.095130 | PT301    |
| 302 | 1436912.277240 | 403137.632570 | 5251.352890 | PT302    |
| 303 | 1436701.591640 | 403172.086920 | 5253.650080 | PT303    |
| 304 | 1436673.743390 | 403163.739470 | 5251.850150 | PT304    |
| 305 | 1436503.176600 | 403091.740480 | 5253.824350 | PT305    |
| 306 | 1436525.547620 | 403095.660580 | 5254.122810 | PT306    |
| 307 | 1436470.291470 | 403188.392560 | 5254.413600 | PT307    |
| 308 | 1436471.000420 | 403166.602630 | 5254.195780 | PT308    |
| 309 | 1436479.360850 | 403264.225650 | 5255.317500 | PT309    |
| 310 | 1436498.670830 | 403270.786920 | 5254.994010 | PT310    |
| 500 | 1436813.510770 | 403794.246360 | 5258.300240 | SE-AREA3 |
| 501 | 1437303.524210 | 403888.713870 | 5260.686340 | NE-AREA3 |
| 502 | 1437398.721990 | 403396.925450 | 5256.510260 | NW-AREA3 |
| 503 | 1436927.855670 | 403308.567890 | 5256.294460 | SW-AREA3 |

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|----------------|----------------|---------------|-------------|------------|
| 510            | 1437365.758600 | 402301.014220 | 5250.719560 | SW-AREA1   |
| 511            | 1437293.061130 | 402693.828960 | 5251.250670 | SE-AREA1   |
| 512            | 1437783.678500 | 402786.553940 | 5251.736100 | NE-AREA1   |
| 513            | 1437856.027360 | 402393.708950 | 5251.138420 | NW-AREA1   |
| 520            | 1436772.726870 | 400639.174610 | 5249.803240 | SW-AREA5   |
| 521            | 1436665.139710 | 401126.943470 | 5248.004470 | SE-AREA5   |
| 522            | 1437152.305090 | 401235.910500 | 5250.883090 | NE-AREA5   |
| 523            | 1437261.056530 | 400748.656560 | 5250.930100 | NW-AREA5   |
| 530            | 1440468.003920 | 402094.313550 | 5260.634460 | NE-AREA2   |
| 531            | 1439977.364510 | 402001.200670 | 5256.822440 | SE-AREA2   |
| 532            | 1440085.424510 | 401513.730340 | 5254.109420 | SW-AREA2   |
| 533            | 1440574.792540 | 401607.110230 | 5257.830040 | NW-AREA2   |
| 540            | 1441024.282250 | 403550.825160 | 5268.810260 | NE-AREA4   |
| 541            | 1440535.174990 | 403448.027320 | 5267.961390 | SE-AREA4   |
| 542            | 1440649.231410 | 402961.807690 | 5264.792460 | SW-AREA4   |
| 543            | 1441137.413350 | 403064.404440 | 5262.409670 | NW-AREA4   |
| 600            | 1436255.363680 | 403190.754090 | 5258.276210 |            |
| USGSWELL1001   |                |               |             |            |
| 601            | 1436291.854500 | 400484.410130 | 5252.421360 |            |
| USGSWELL1002   |                |               |             |            |
| 602            | 1437492.460290 | 399927.392450 | 5253.641770 |            |
| USGSWELL1003   |                |               |             |            |
| 604            | 1439798.923880 | 399639.264330 | 5254.260600 |            |
| USGSWELL1004   |                |               |             |            |
| 605            | 1441813.145260 | 402755.095340 | 5269.153240 |            |
| USGSWELL1005   |                |               |             |            |
| 610            | 1436176.299320 | 399137.259460 | 5252.635290 |            |
| BRASSCAP-MP6   |                |               |             |            |
| 611            | 1436170.322500 | 401784.333290 | 5251.033820 |            |
| BRASSCAP-MP6.5 |                |               |             |            |
| 615            | 1441174.487620 | 403273.523310 | 5266.009450 | SOUTHSIDE  |
| SIL0           |                |               |             |            |
| 700            | 1437618.124880 | 402420.106560 | 5251.646660 | TR2 N-S SE |
| 701            | 1437620.361180 | 402416.526630 | 5251.627040 | TR2 N-S SW |
| 702            | 1437627.494500 | 402420.404500 | 5251.317120 | TR2 E-W SE |
| 703            | 1437632.955860 | 402409.255150 | 5251.197240 | TR2 E-W SW |
| 704            | 1437637.666170 | 402411.425820 | 5251.192600 | TR2 E-W NW |
| 705            | 1437632.199170 | 402423.276600 | 5251.009760 | TR2        |
| 706            | 1437625.496000 | 402424.573010 | 5251.277900 | TR2        |
| 710            | 1437408.804840 | 402675.685620 | 5251.219980 | TR1 E-W SW |
| 711            | 1437413.108670 | 402675.990090 | 5251.419850 | TR1 E-W NW |
| 712            | 1437412.627450 | 402691.091560 | 5251.172600 | TR1 E-W SE |
| 713            | 1437415.181980 | 402690.020690 | 5251.053930 | TR1 E-W NE |
| 714            | 1437416.082260 | 402692.593660 | 5251.062890 | TR1 N-S SE |
| 715            | 1437430.437540 | 402685.466210 | 5251.195560 | TR1 N-S NW |
| 716            | 1437431.401130 | 402688.417720 | 5251.205830 | TR1 N-S NE |
| 720            | 1440473.110450 | 401608.786320 | 5256.573980 | TR3 N-S SW |
| 721            | 1440472.658760 | 401612.265940 | 5256.562880 | TR3 N-S SE |
| 722            | 1440487.667620 | 401615.254960 | 5256.856680 | TR3 N-S NE |
| 723            | 1440488.315400 | 401611.919450 | 5256.428130 | TR3 N-3 NW |
| 724            | 1440489.621710 | 401610.963020 | 5256.488160 | TR3 E-W NE |
| 725            | 1440486.462830 | 401609.465760 | 5256.508690 | TR3 E-W SE |

|     |                |               |             |     |     |    |
|-----|----------------|---------------|-------------|-----|-----|----|
| 726 | 1440489.913090 | 401595.839190 | 5256.356790 | TR3 | E-W | SW |
| 727 | 1440493.276460 | 401596.841720 | 5256.336900 | TR3 | E-W | NW |
| 730 | 1440881.177150 | 403344.216190 | 5265.870250 | TR4 | N-S | NW |
| 731 | 1440881.228130 | 403346.517590 | 5265.867630 | TR4 | N-S | NE |
| 732 | 1440864.983600 | 403344.051860 | 5266.581460 | TR4 | N-S | SE |
| 733 | 1440865.533410 | 403341.731480 | 5266.284330 | TR4 | E-W | SE |
| 734 | 1440867.937420 | 403342.011120 | 5266.182530 | TR4 | E-W | NE |
| 735 | 1440872.159920 | 403329.766050 | 5266.291880 | TR4 | E-W | NW |
| 736 | 1440869.471620 | 403328.408640 | 5266.295310 | TR4 | E-W | SW |

**SOIL BORING LOG**SITE ID: KRTL0154DATE: 9/14/94LOCATION ID: 0001-0020BORE HOLE DEPTH (FT): 12

BORE HOLE DIAMETER (IN): \_\_\_\_\_

CONSTRUCTION METHOD: TLOCATION DESCRIPTION: Trenching Area 1 Geophysical Area 1. E-W Trench  
from 355E, 115N → 370E, 115NCOMMENTS: Hit reinforced concrete on eastern 3' of trench at 3-6'. Moved the  
trench back 3' to the west to avoid it. Sampled around the edge  
of the concreteFIELD REPRESENTATIVE(S): JJ, 91km**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION        | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0-3                 | 0001-0005            | 100       |               |                     | See Diagram 1 on Back         |      |             |                     |              |                       |                |
| 3-6                 | 0006-0010            | 100       |               |                     | See Diagram 2 on Back         |      |             |                     |              |                       |                |
| 6-9                 | 0011-0015            | 100       |               |                     | See Diagram 3 on Page 2       |      |             |                     |              |                       |                |
| 9-12                | 0016-0020            | 100       |               |                     | See Diagram 4 on Page 2       |      |             |                     |              |                       |                |
| 12                  |                      |           |               |                     | Stop at 12'. Limit of backhoe |      |             |                     |              |                       |                |

**SAMPLE METHODS**

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

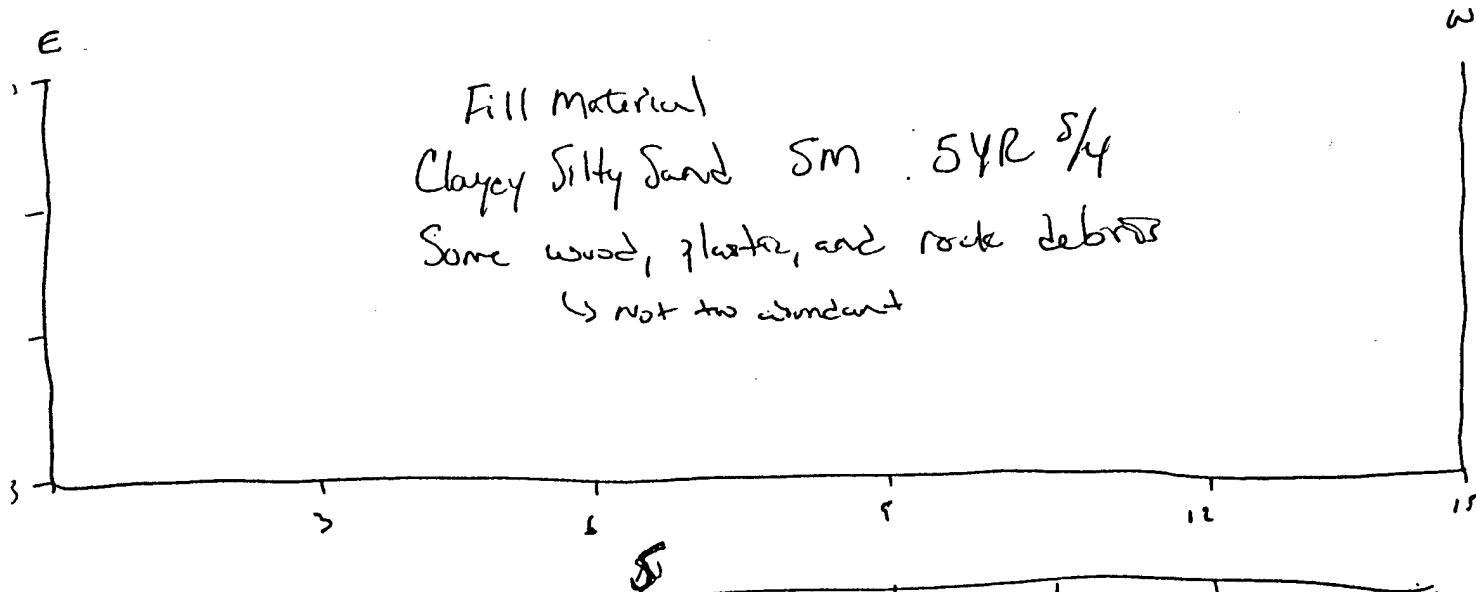
**CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

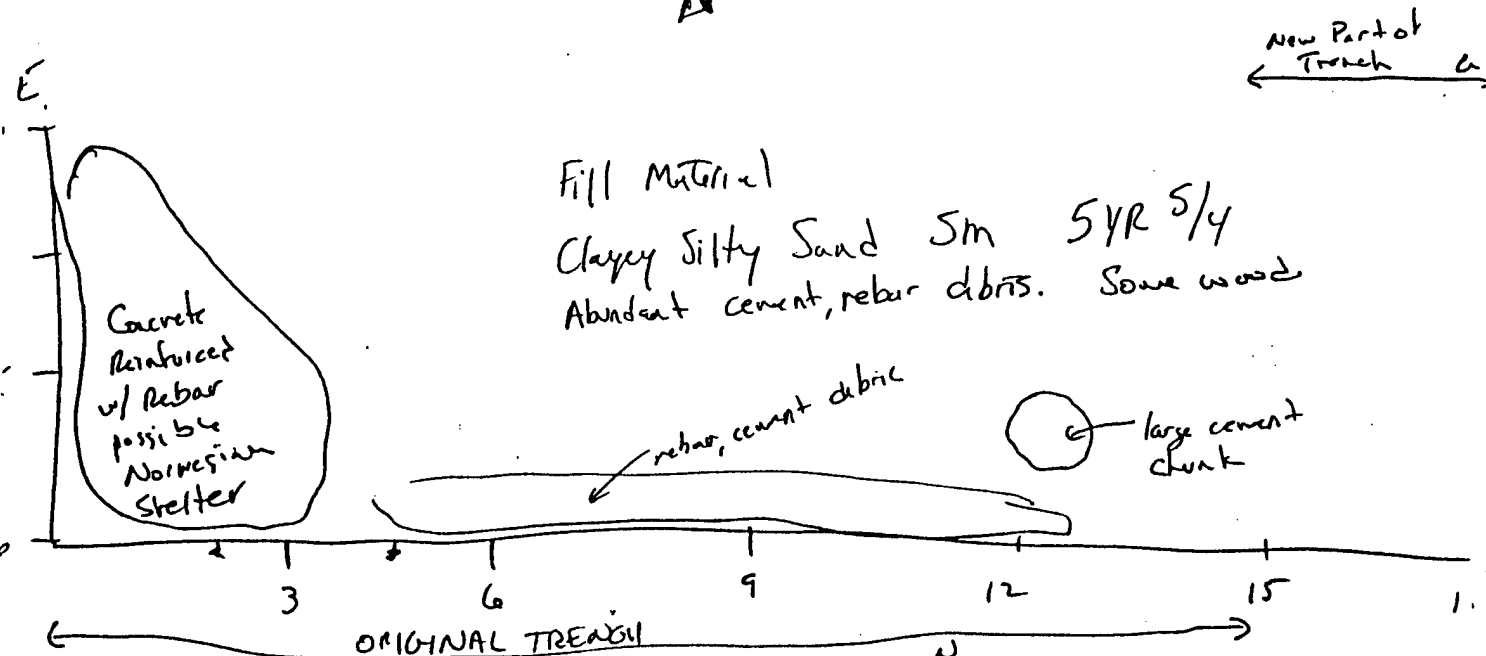
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



|            |  |            |            |            |  |            |
|------------|--|------------|------------|------------|--|------------|
| 1A<br>0001 |  |            |            | 4D<br>0004 |  | 5A<br>0005 |
|            |  | 2B<br>0002 | 3C<br>0003 |            |  |            |

N



|    |            |    |  |            |    |  |
|----|------------|----|--|------------|----|--|
|    | 2D<br>0007 |    |  | 5D<br>0001 |    |  |
| 1B |            | 3B |  |            | 6C |  |

DATE: 9/14/97

LOCATION ID: 6001-020

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| LITHOLOGIC LOG (FOR TRENCH, WARE AREA, ETC.) |                      |           |               |                     |                        |      |             |                     |            |                         |                |
|----------------------------------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| DEPTH INTERVAL (FT)                          | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|                                              |                      |           |               |                     | SEE BACK               |      |             |                     |            |                         |                |

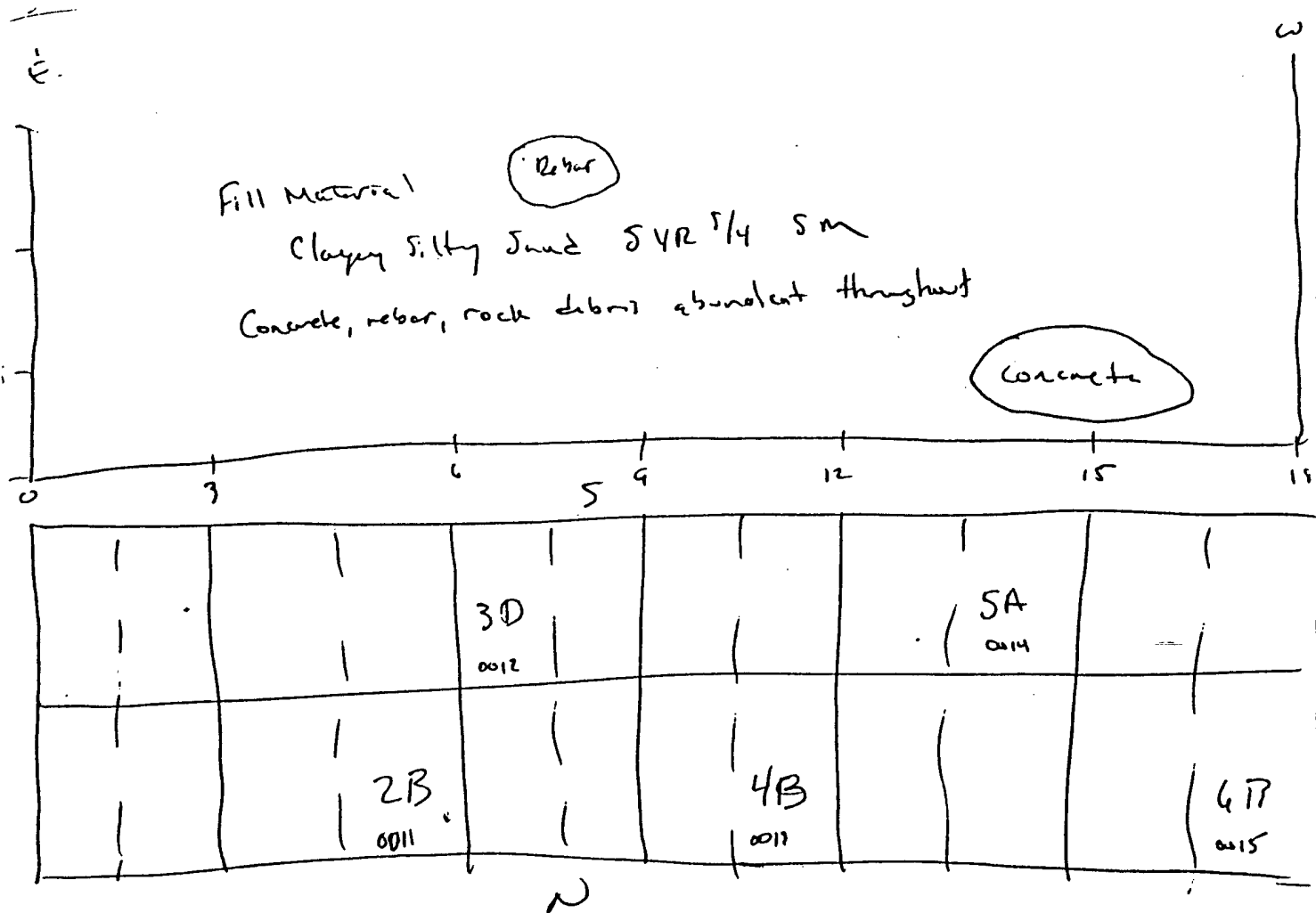
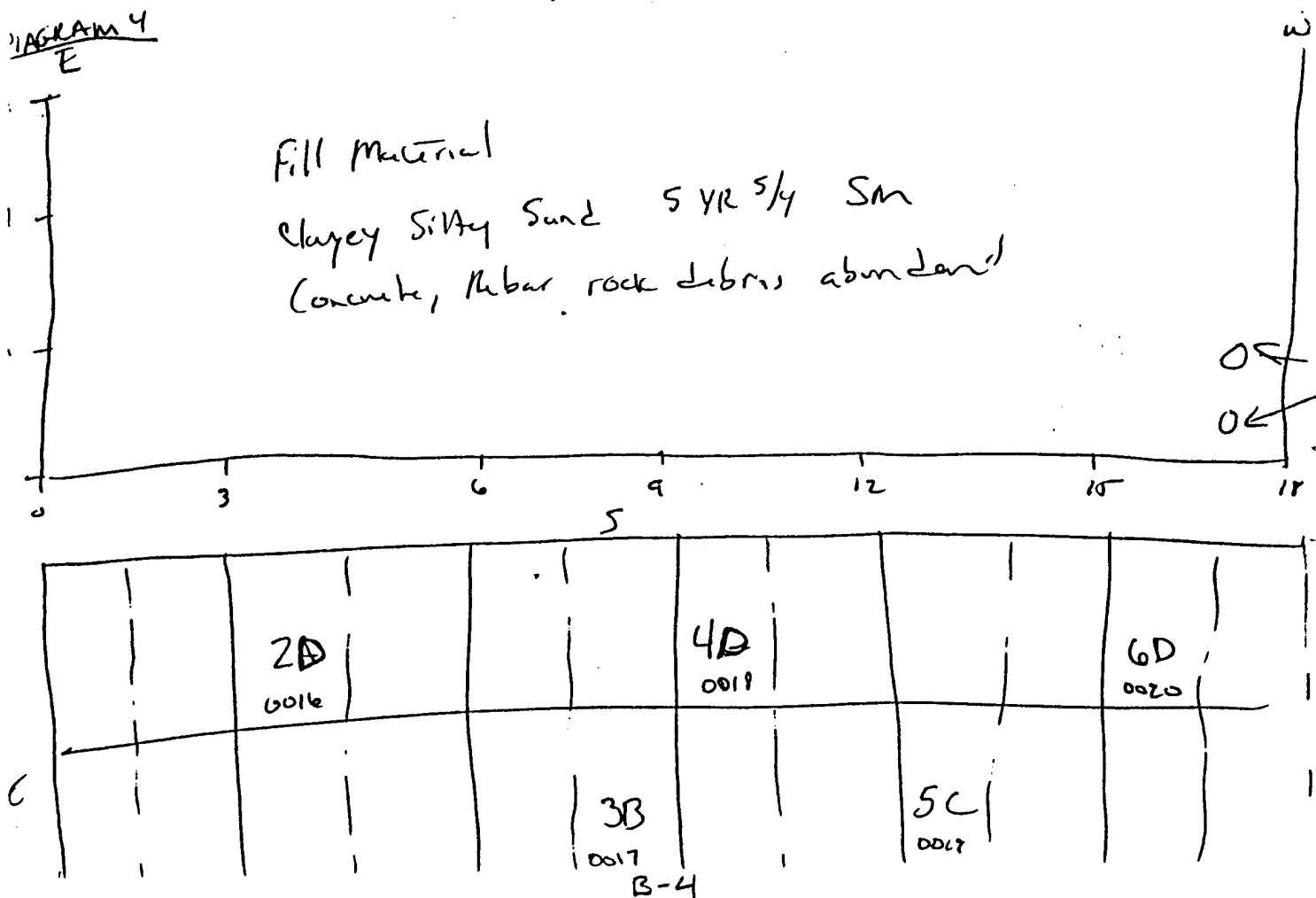


DIAGRAM 4  
E



DATE: 9/14/99

BORE HOLE DEPTH (FT): 6

CONSTRUCTION METHOD: 7

COMMENTS: Hit native soil at 5' on south side of trench. Obstruction (concrete) at 4' on north side. Stopped trench at 6'

FIELD REPRESENTATIVE(S): Pkm, JT

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

[illegible]

- **CONSTRUCTION METHODS**

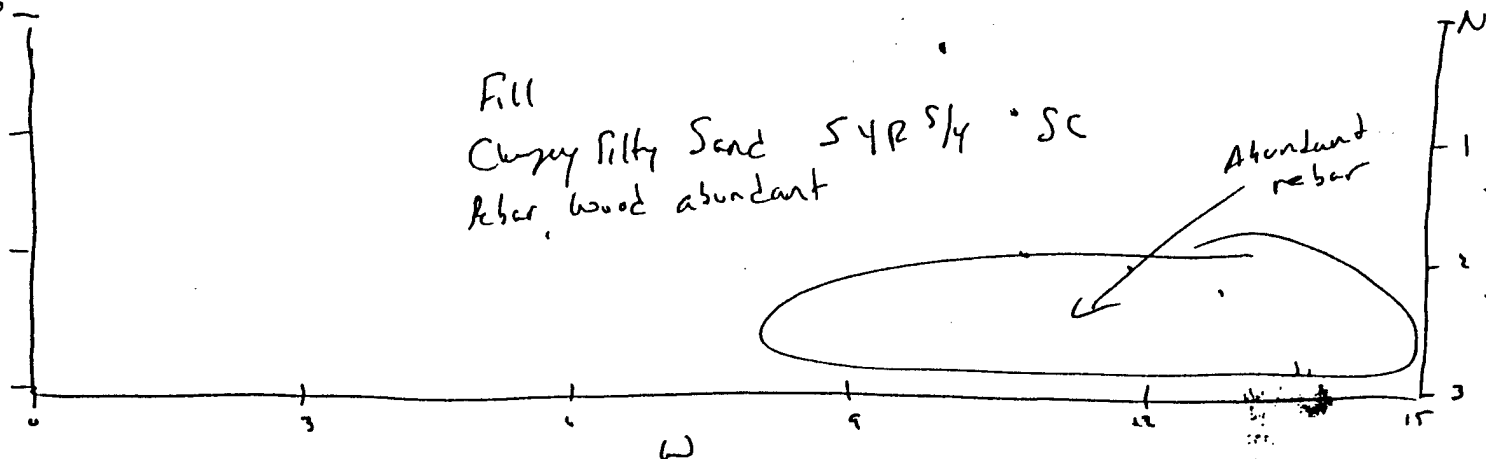
R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B- BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

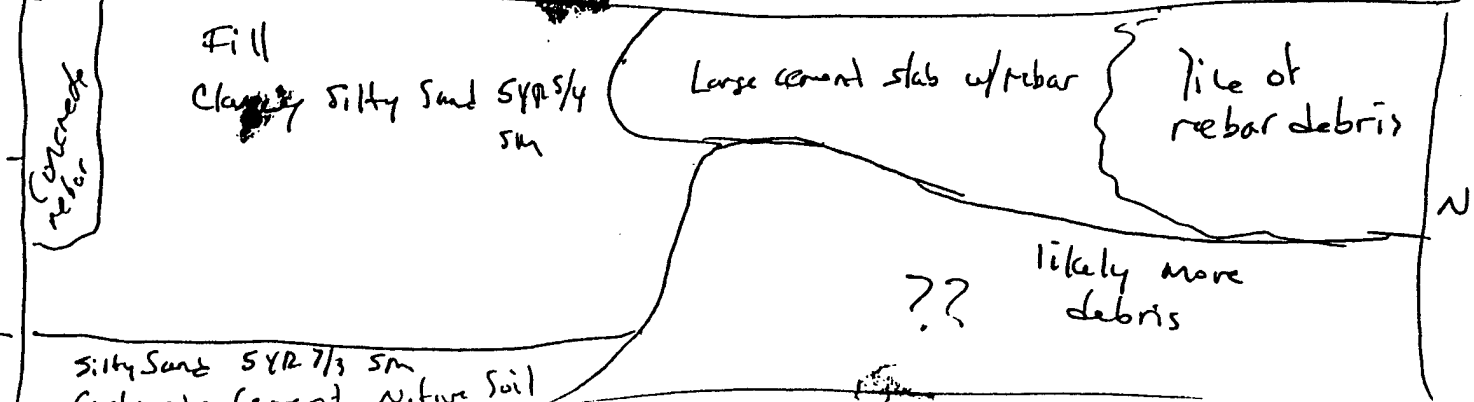
# DIAGRAM 1



|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 1A<br>0021 | 2D<br>0032 |            |            | 4D<br>0024 | 4A<br>0034 | 5A<br>0025 |
| 1C<br>0031 |            | 2D<br>0022 | 3C<br>0023 | 3D<br>0033 |            | 5C<br>0035 |

## DIAGRAM 2

|            |            |            |            |  |            |            |
|------------|------------|------------|------------|--|------------|------------|
| 1A<br>0037 | 2D<br>0038 | 2A<br>0039 | 3D<br>0048 |  | 4A<br>0029 |            |
| 1C<br>0036 | 1D<br>0026 | 2C<br>0027 | 3C<br>0040 |  |            | 5B<br>0070 |



DATE: 9/12/91

BORE HOLE DEPTH (FT): \_\_\_\_\_

CONSTRUCTION METHOD: T

COMMENTS: Relocated to 70E, 270N → 70E, 285N. Hit debris in South S' of trench debris included: wire cable, spool holder, ALL BURNER

FIELD REPRESENTATIVE(S): Plm, JT

Found 1' long plastic tube filled with water particles between 3 & 6'

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

## •• SAMPLE METHODS

**A - AUGER CUTTINGS**  
**D - DRIVE TUBE**  
**S - SHELBY TUBE**  
**H - HAND SCOOP**  
**O - OTHER**

- CONSTRUCTION METHODS

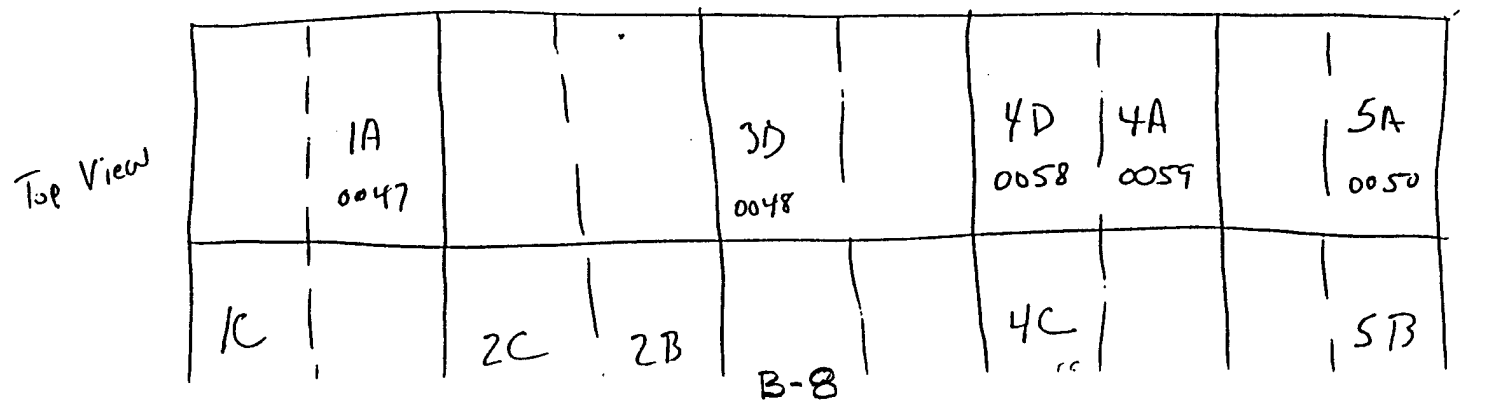
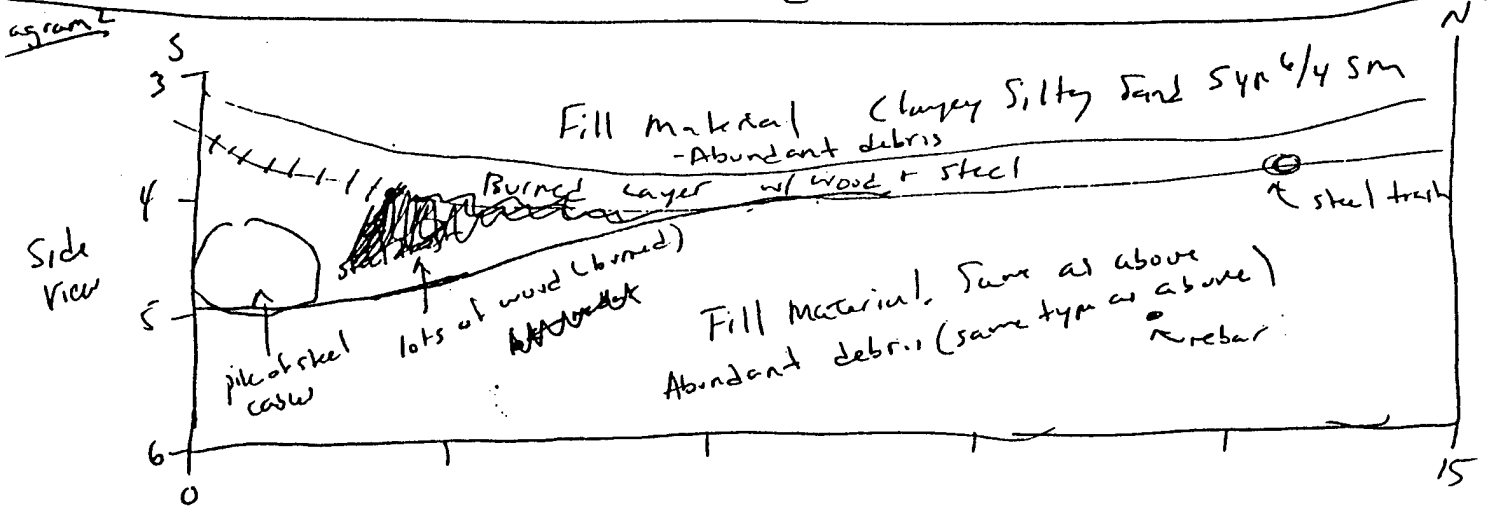
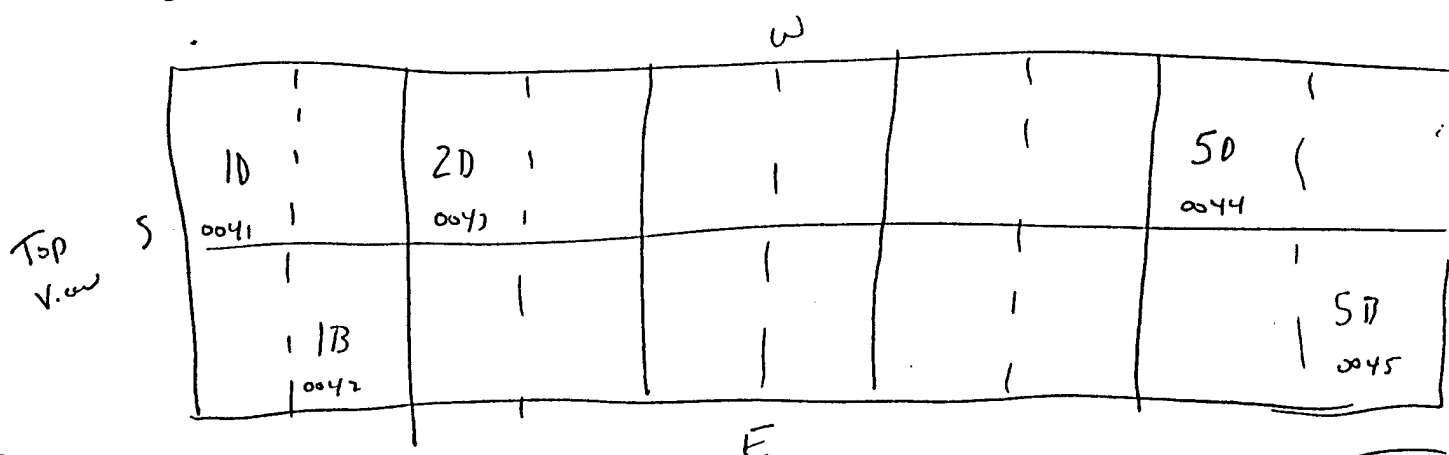
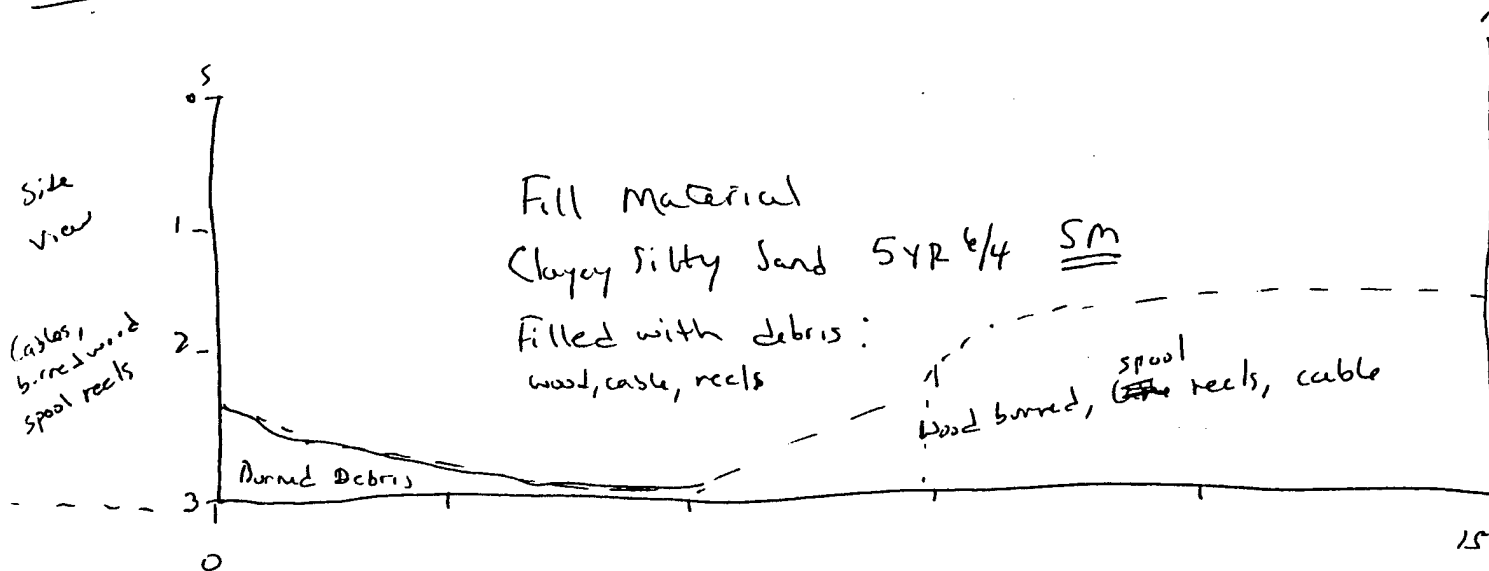
**R - ROTARY (STATE ROTARY METHOD)**  
**A - AUGERED OR BORED**  
**C - CABLE TOOL**  
**D - DUG**  
**J - JETTED**

P - AIR PERCUSSION  
T - TRENCHING  
B- BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

Diagram 1



# SOIL BORING LOG

SITE ID: KRTL0154

DATE: 9/12/94

LOCATION ID: 0041-0060

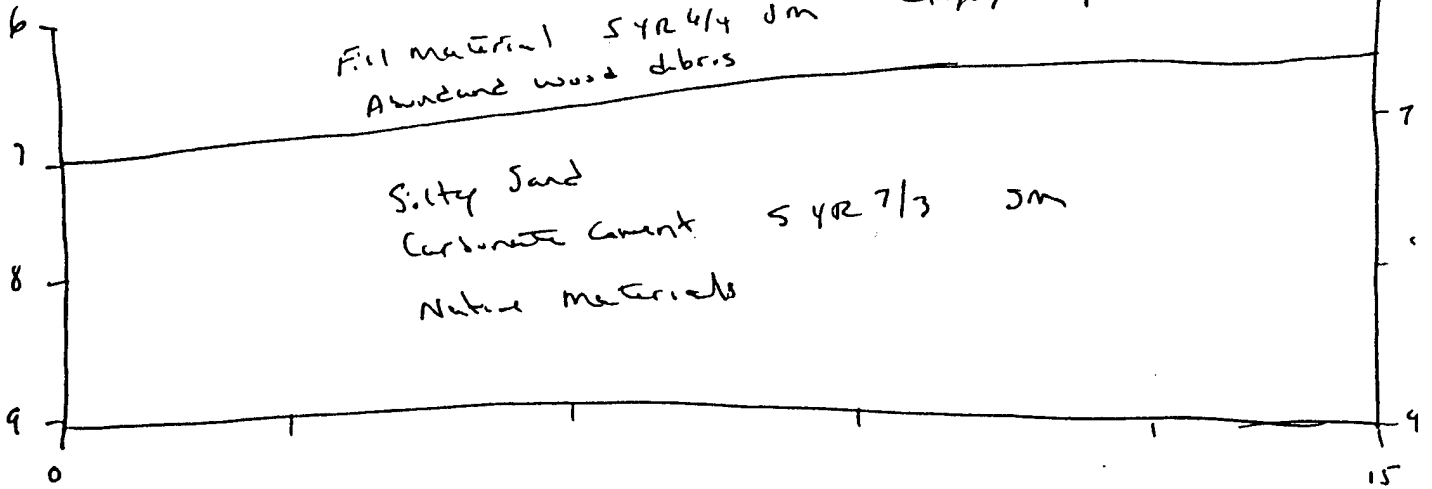
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

ram 3

South

well



W

S

|            |           |            |            |            |
|------------|-----------|------------|------------|------------|
|            | 2A<br>052 |            | 4D<br>0054 |            |
| 1B<br>0051 |           | 3C<br>0053 |            | 5C<br>0055 |

E

## SOIL BORING LOG

SITE ID: KRTL0154DATE: 9/13/94LOCATION ID: 0061-0080BORE HOLE DEPTH (FT): 9

BORE HOLE DIAMETER (IN): \_\_\_\_\_

CONSTRUCTION METHOD: TLOCATION DESCRIPTION: Geophysical Area 1 - Trenching Area 2. E-W Trench  
TOE, 285N → ~~TOE~~ SSE, 285N

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): JJ, PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID              | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION             | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|------------------------|---------------|---------------------|------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0-3                 |                      | 0061-0065              |               | 100                 | See Diagram 1 on back              |      |             |                     |            |                         |                |
| 3-6                 |                      | 0066-0070<br>0070-0080 |               | 100                 | See Diagram 2 on back              |      |             |                     |            |                         |                |
| 6-9                 |                      | 0071-0075              |               | 100                 | See Diagram 3 on back<br>of page 2 |      |             |                     |            |                         |                |

•• **SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• **CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKM 9/13/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

\_\_\_\_\_  
 TECHNICAL REVIEWER: (SIGNATURE/DATE)

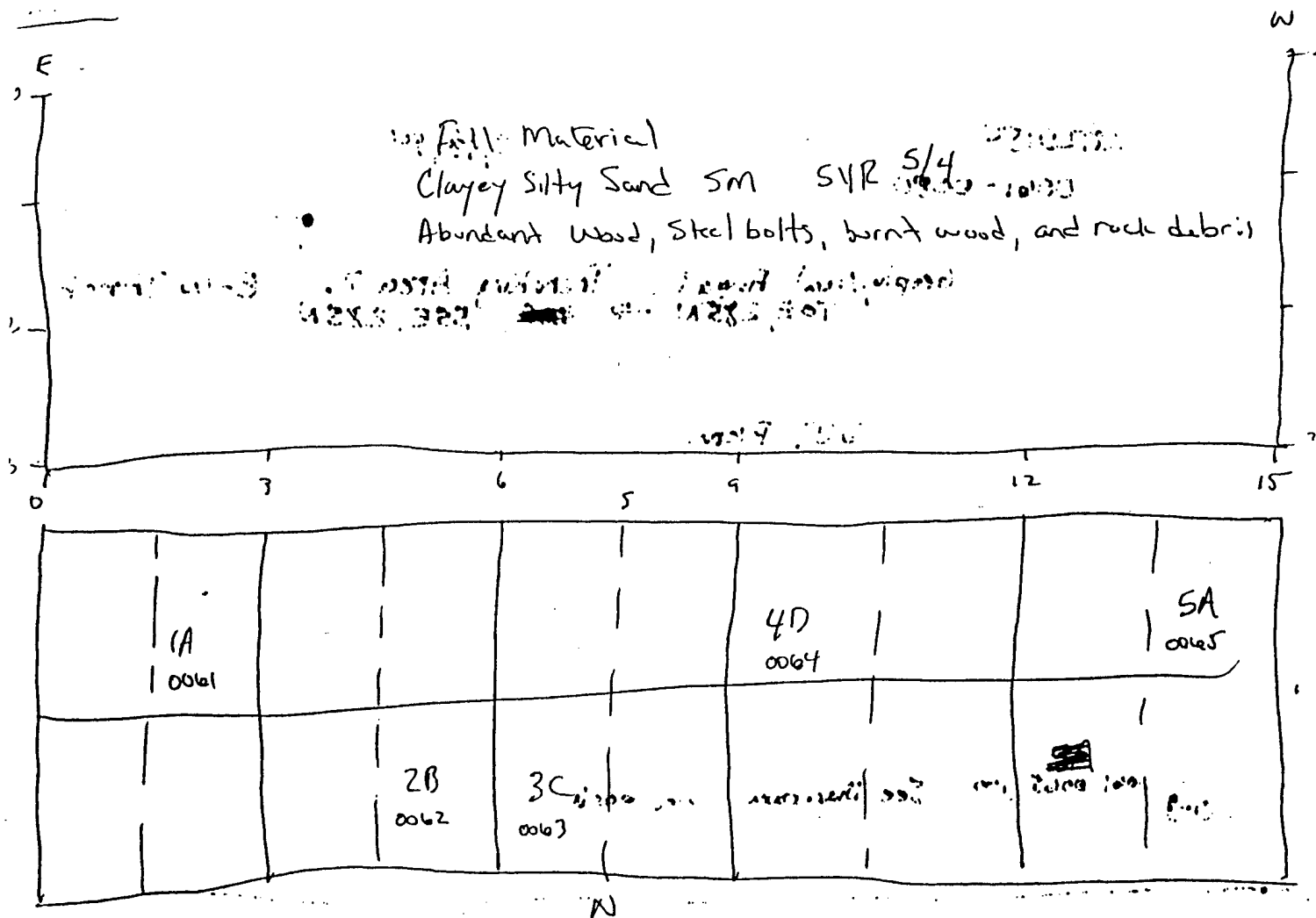
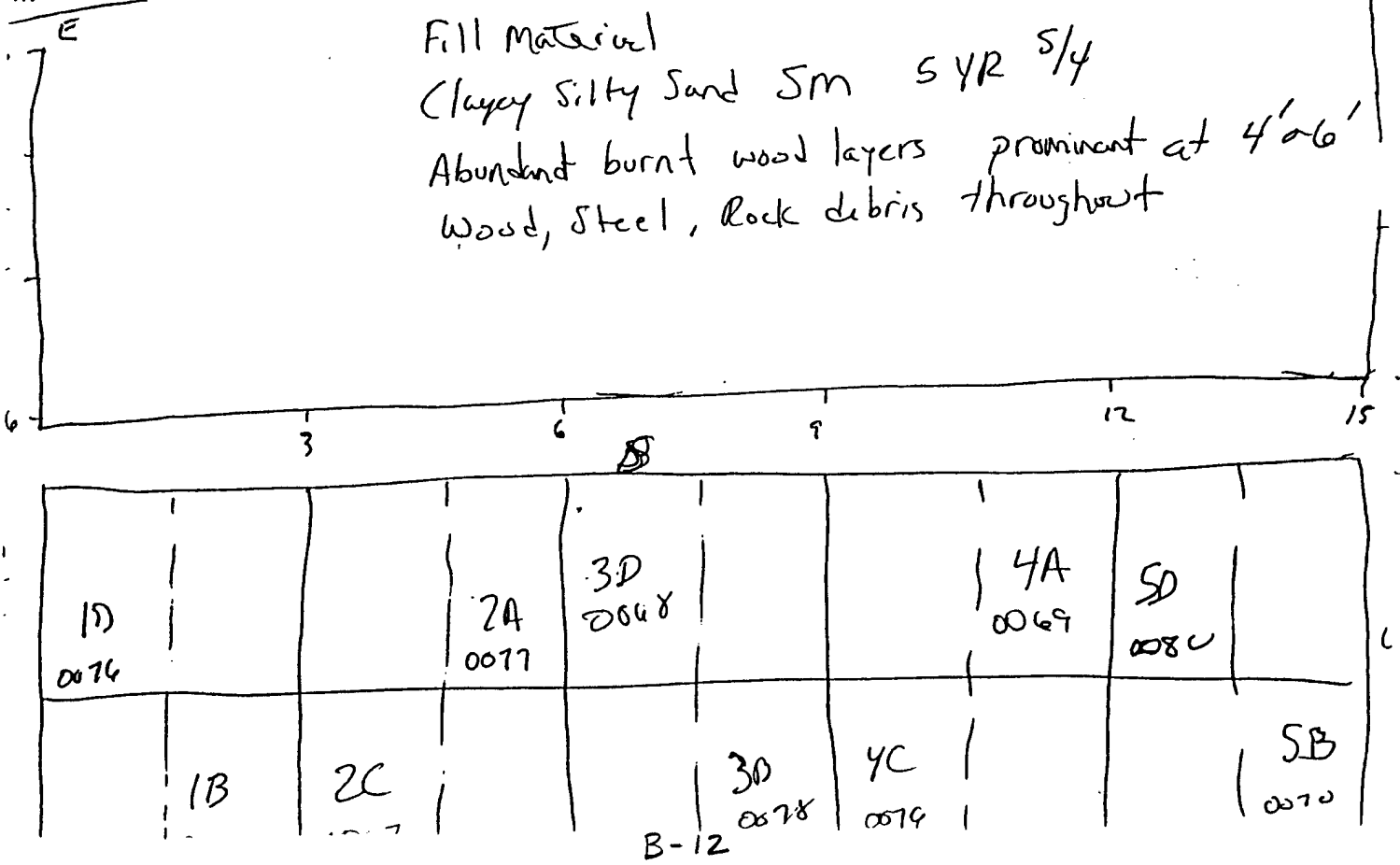
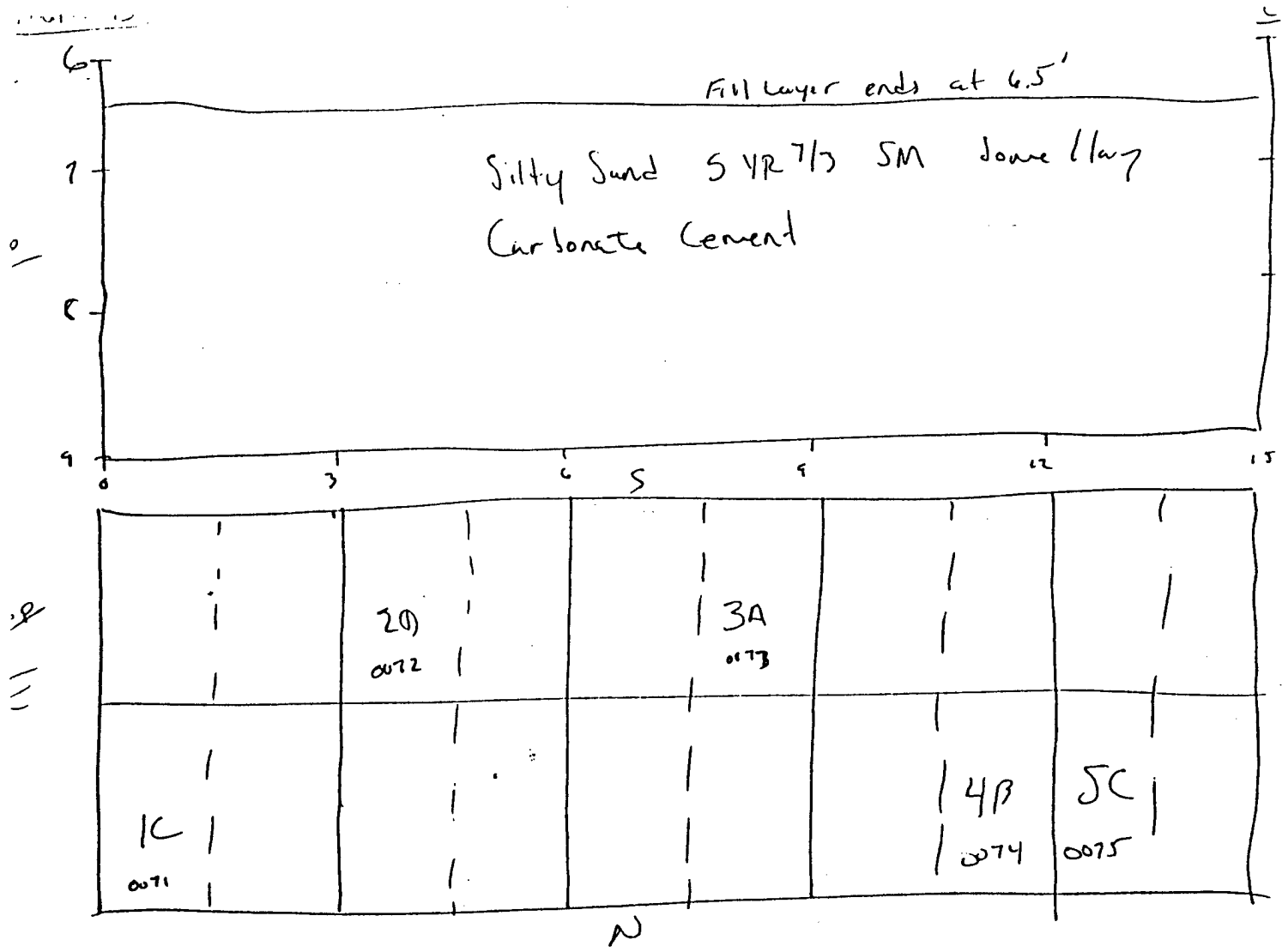


Diagram 2







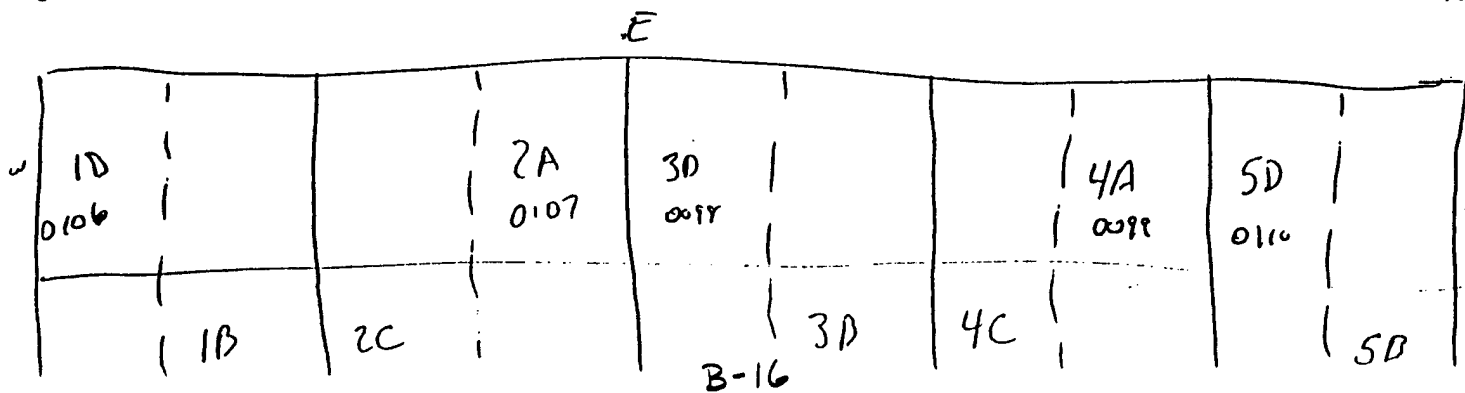
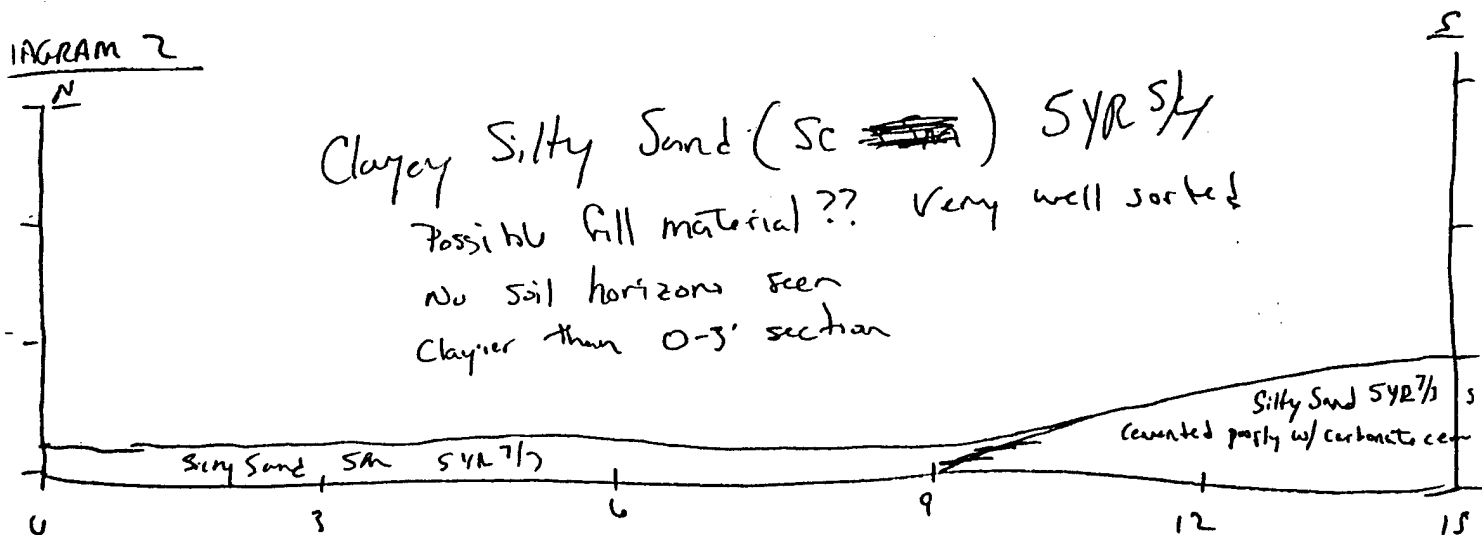
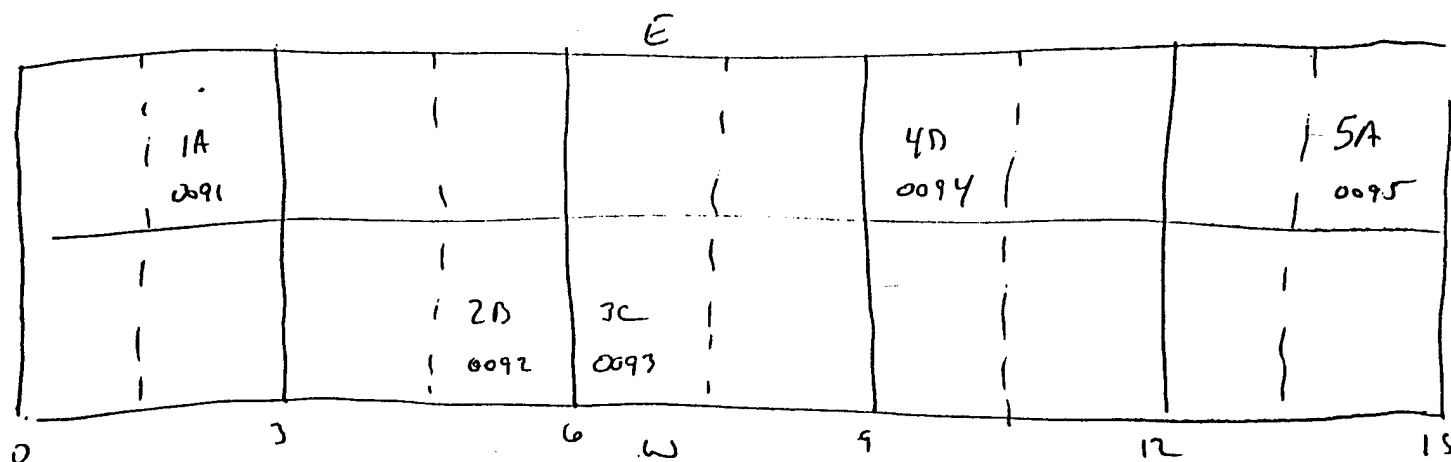
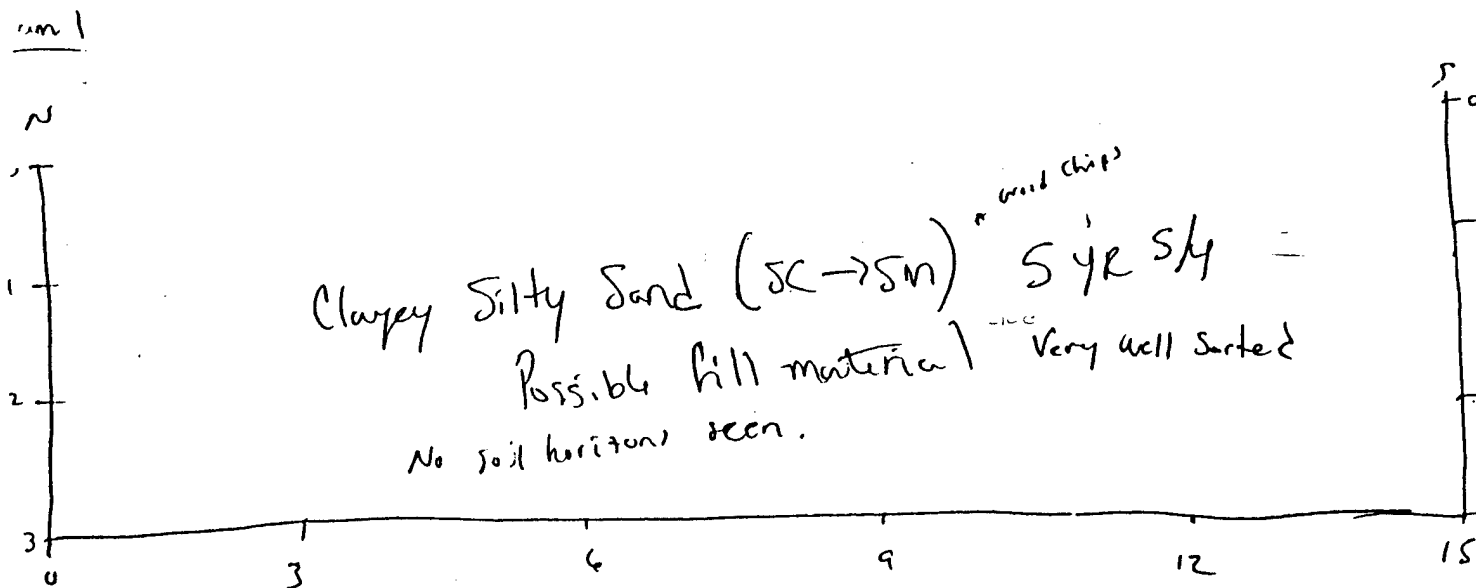
LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

•• SAMPLE METHODS  
A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

- CONSTRUCTION METHODS
  - R - ROTARY (STATE ROTARY METHOD)
  - A - AUGERED OR BORED
  - C - CABLE TOOL
  - D - DUG
  - J - JETTED

- P - AIR PERCUSSION  
T - TRENCHING  
B- BOREHOLE  
O - OTHER

TECHNICAL REVIEWER: (SIGNATURE/DATE)



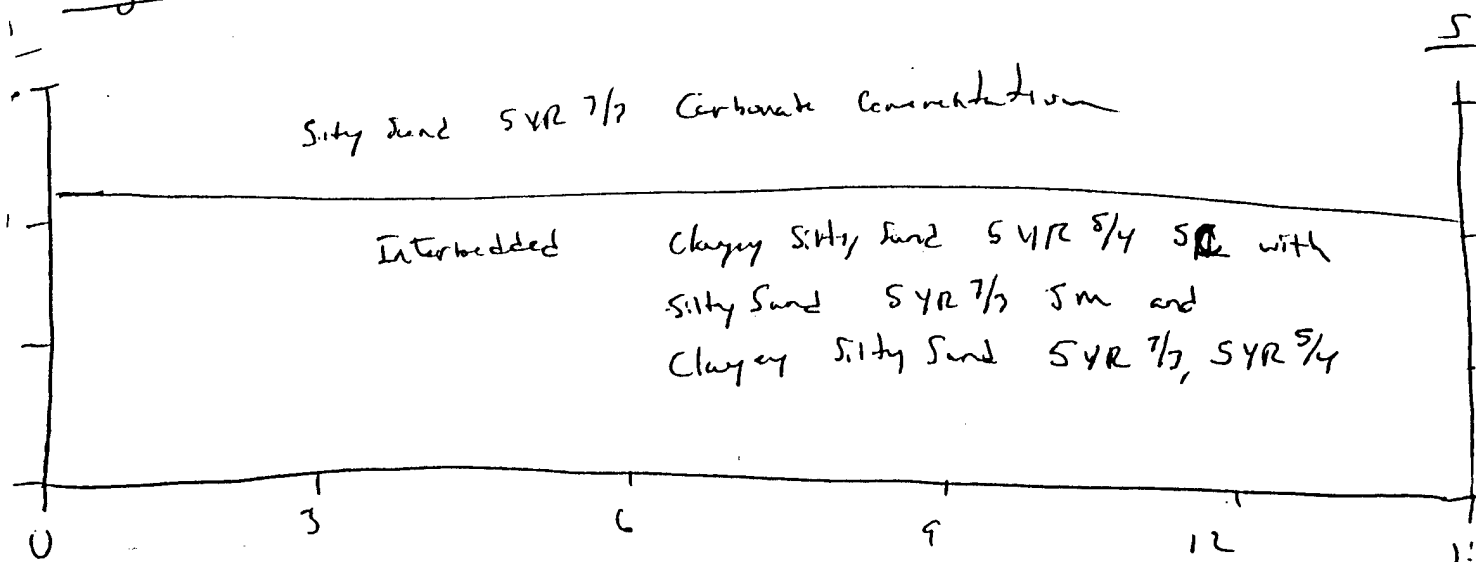
DATE: 9/9/94

LOCATION ID: 0091-0110

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| LITHOLOGIC LOG (FOR TRENCH; MAKE ADDITIONAL COPIES FOR EACH TRENCH) |                      |           |               |                     |                        |      |             |                     |            |                         |                |
|---------------------------------------------------------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| DEPTH INTERVAL (FT)                                                 | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|                                                                     |                      |           |               |                     | SEE BACK               |      |             |                     |            |                         |                |

Diagram 3



|            |  |            |  |               |            |  |            |            |  |
|------------|--|------------|--|---------------|------------|--|------------|------------|--|
|            |  | 2D<br>0102 |  | $\frac{8}{2}$ | 3A<br>0103 |  |            |            |  |
| 1C<br>0101 |  |            |  |               |            |  | 4B<br>0104 | 5C<br>0105 |  |

DATE: 9/12/97

BORE HOLE DEPTH (FT): 62

CONSTRUCTION METHOD: T

COMMENTS: Geophysical Area 2. Trenching Area 3. E-W Trench  
From 20E, 415N to 5E, 415N

FIELD REPRESENTATIVE(S): Pkm JJ

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

[illegible]

## •• SAMPLE METHODS

- A - AUGER CUTTINGS**  
**D - DRIVE TUBE**  
**S - SHELBY TUBE**  
**H - HAND SCOOP**  
**O - OTHER**

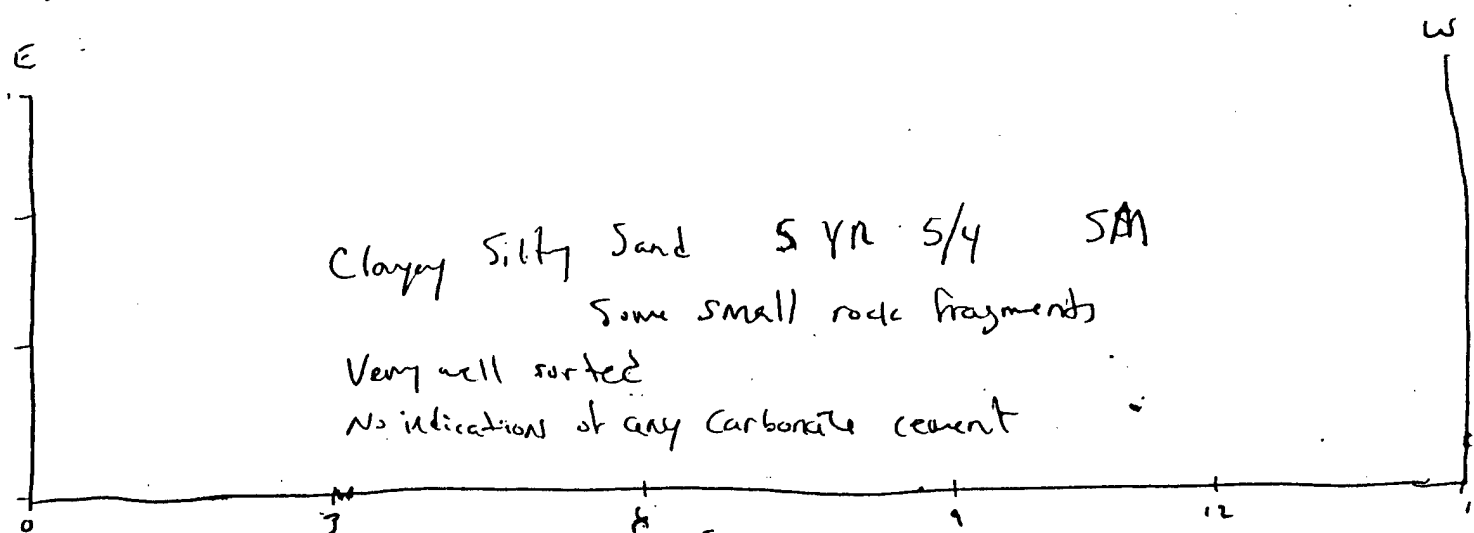
- CONSTRUCTION METHODS

- R - ROTARY (STATE ROTARY METHOD)**  
**A - AUGERED OR BORED**  
**C - CABLE TOOL**  
**D - DUG**  
**J - JETTED**

- P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

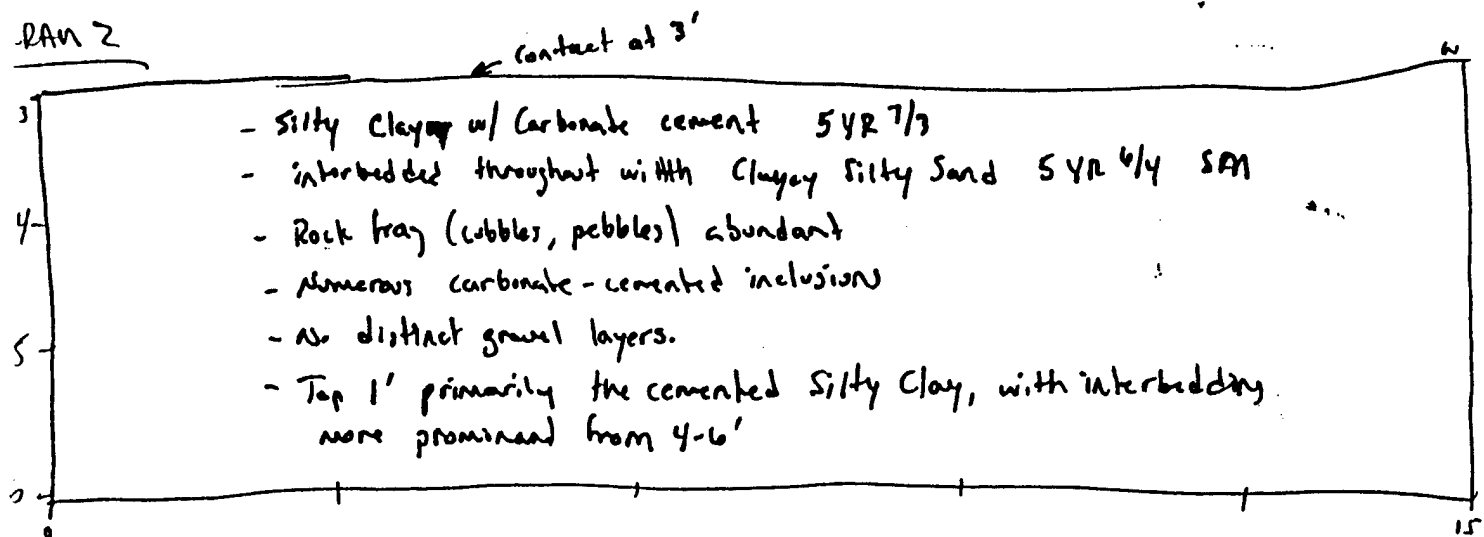
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 1A<br>0111 | 2D<br>0117 | 3A<br>0114 | 4D<br>0114 | 5A<br>0115 |
| 1C<br>0116 | 2B<br>0112 | 3C<br>0117 | 4B<br>0119 | 5C<br>0120 |

PLAN 2



|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 1D<br>0126 | 2A<br>0127 | 3D<br>0127 | 4A<br>0124 | 5D<br>0130 |
| 1B<br>0121 | 2C<br>0122 | 3B<br>0128 | 4C<br>0129 | 5B<br>0125 |

← Roger Bretzel recommendation

B-2D

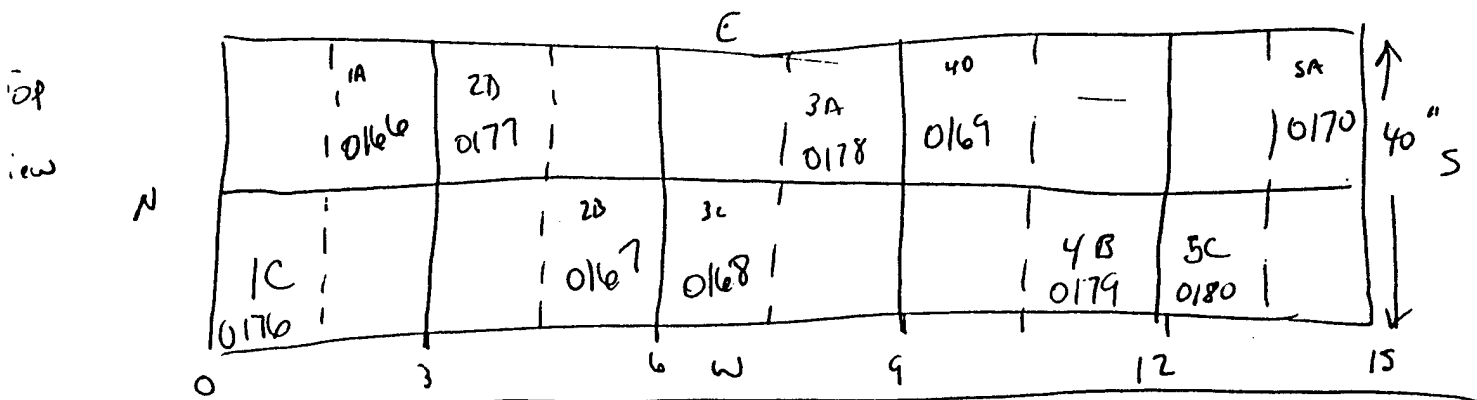
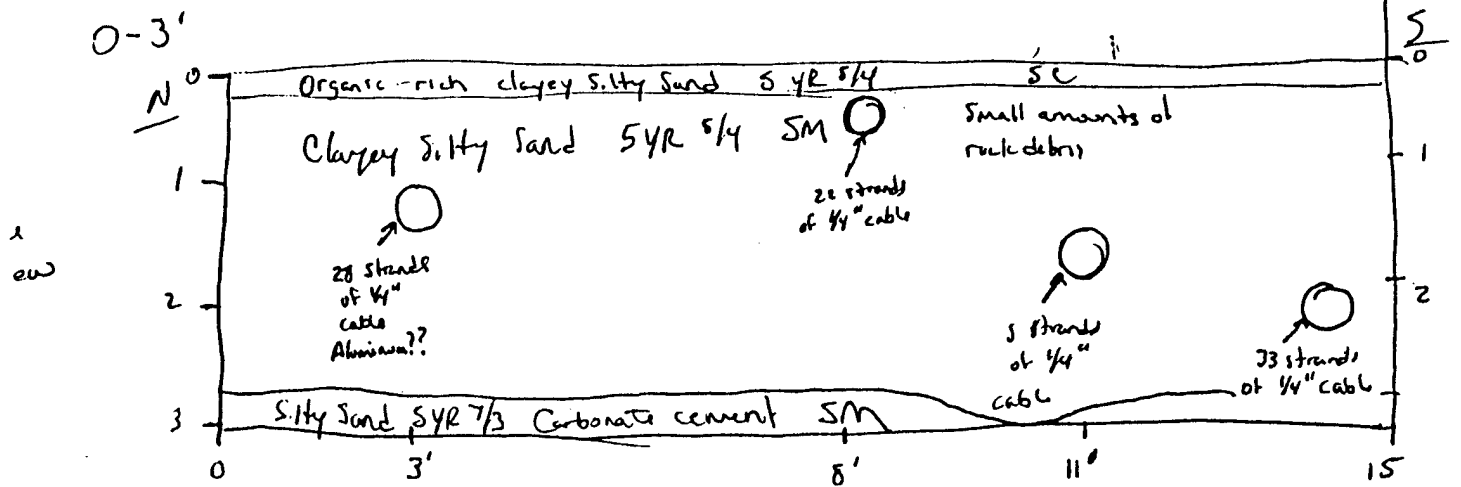
FIELD REPRESENTATIVE(S): Pkm, JCI

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID   | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-------------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0-3'                | 0166<br>0170         | H<br>+ 0    |               |                     | Diagram 1 on back<br>76-0180 |      |             |                     |             |                         |                |
| 3-6'                | 0171-<br>0175        | H<br>+ 0181 |               |                     | Diagram 2 on back<br>- 0185  |      |             |                     |             |                         |                |

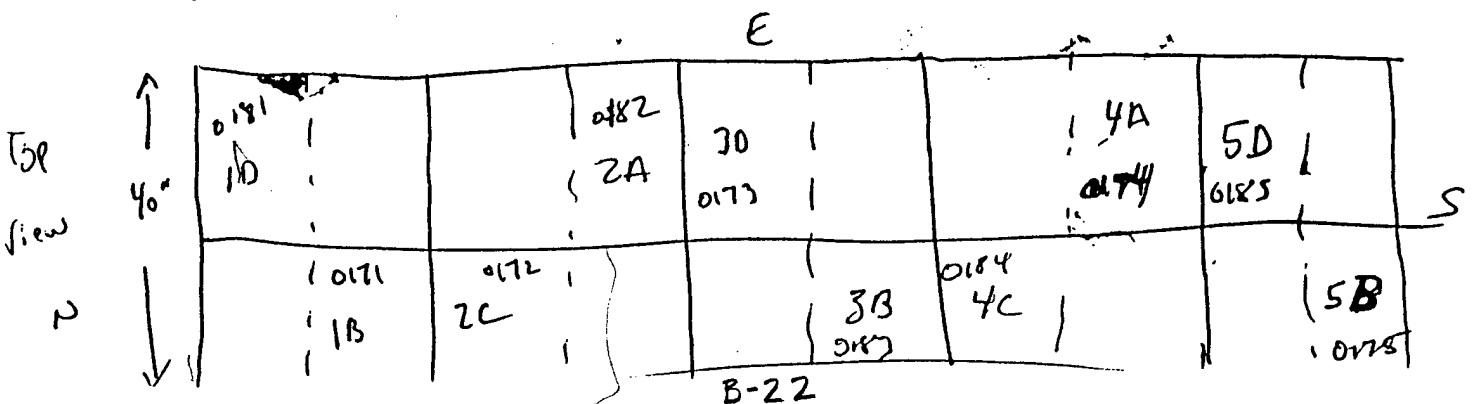
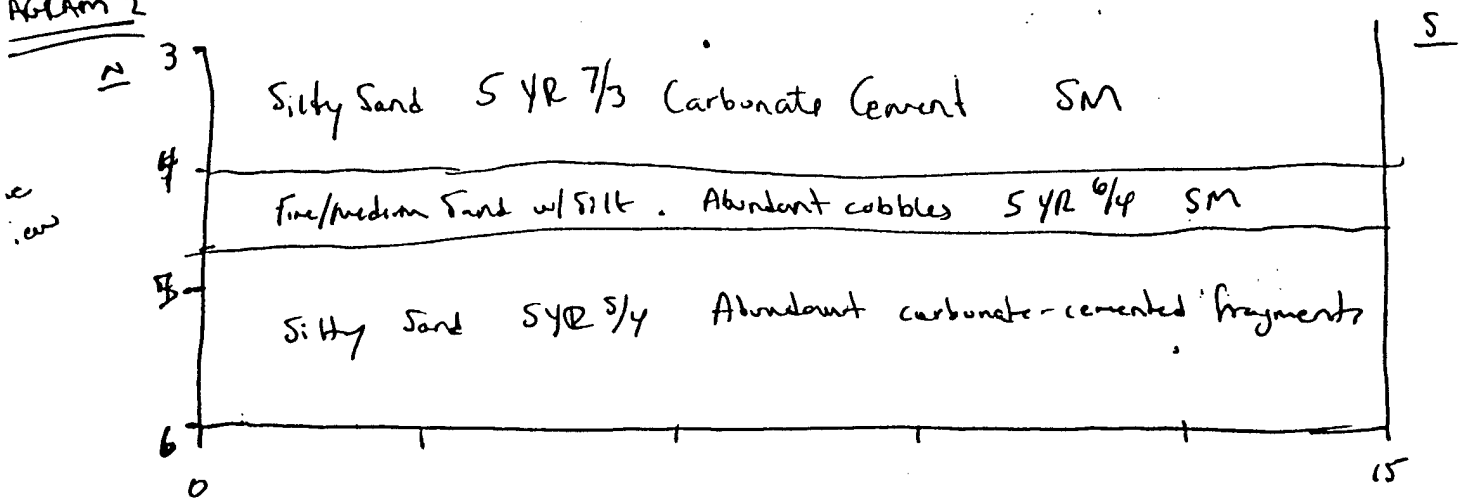
TECHNICAL REVIEWER: (SIGNATURE/DATE)

# DIAGRAM 1

All cables are for  
instrumentation only



## Diagram 2



FIELD REPRESENTATIVE(S): Plm, JJ

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

## •• SAMPLE METHODS

**A - AUGER CUTTINGS**  
**D - DRIVE TUBE**  
**S - SHELBY TUBE**  
**H - HAND SCOOP**  
**O - OTHER**

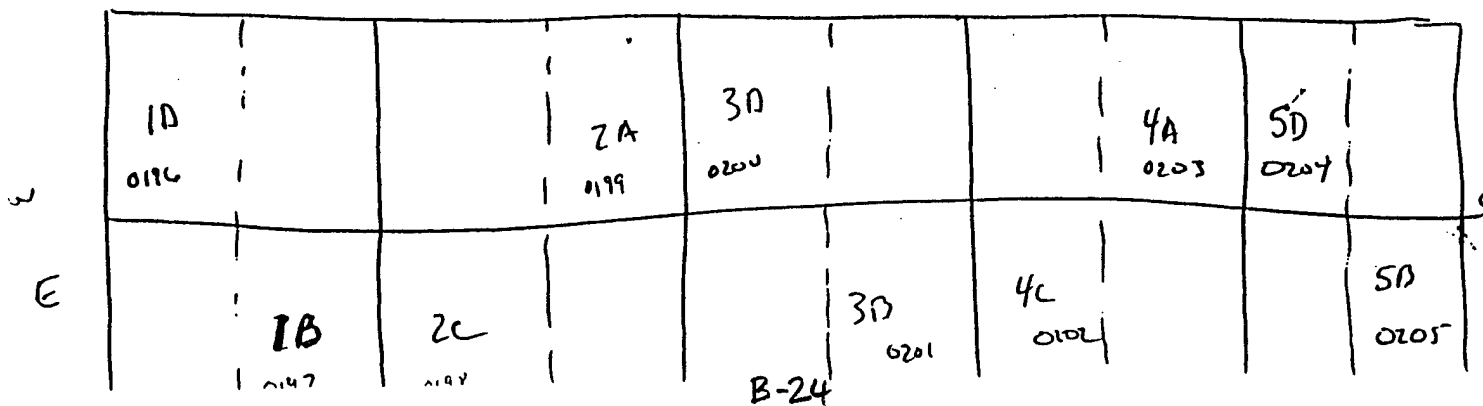
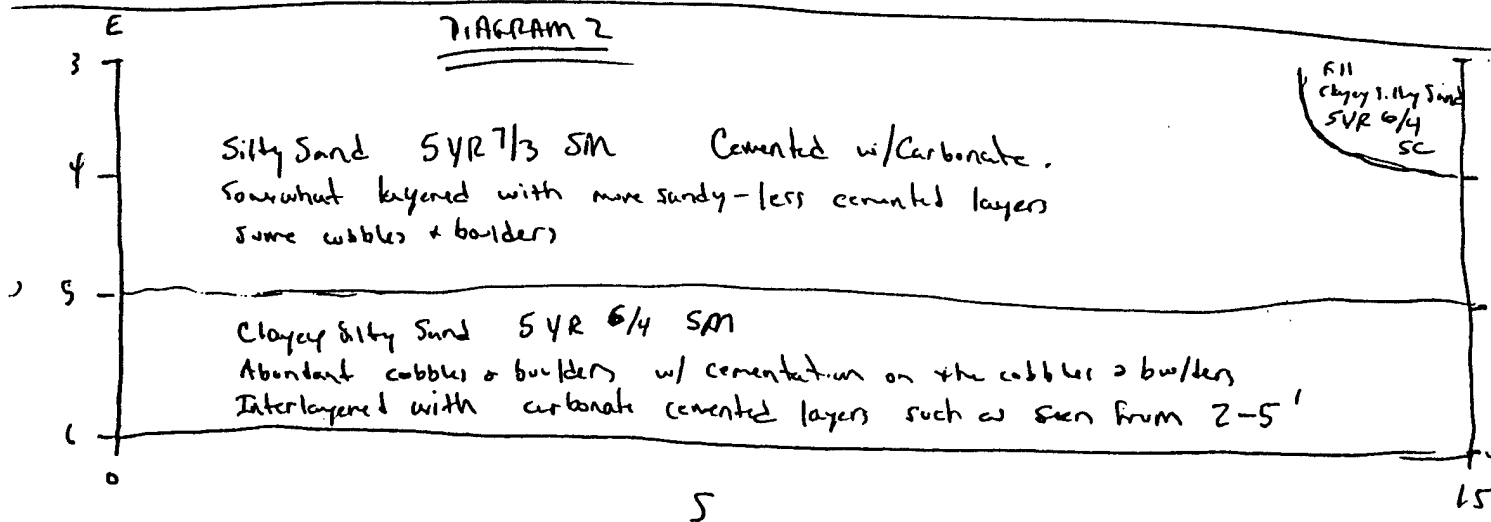
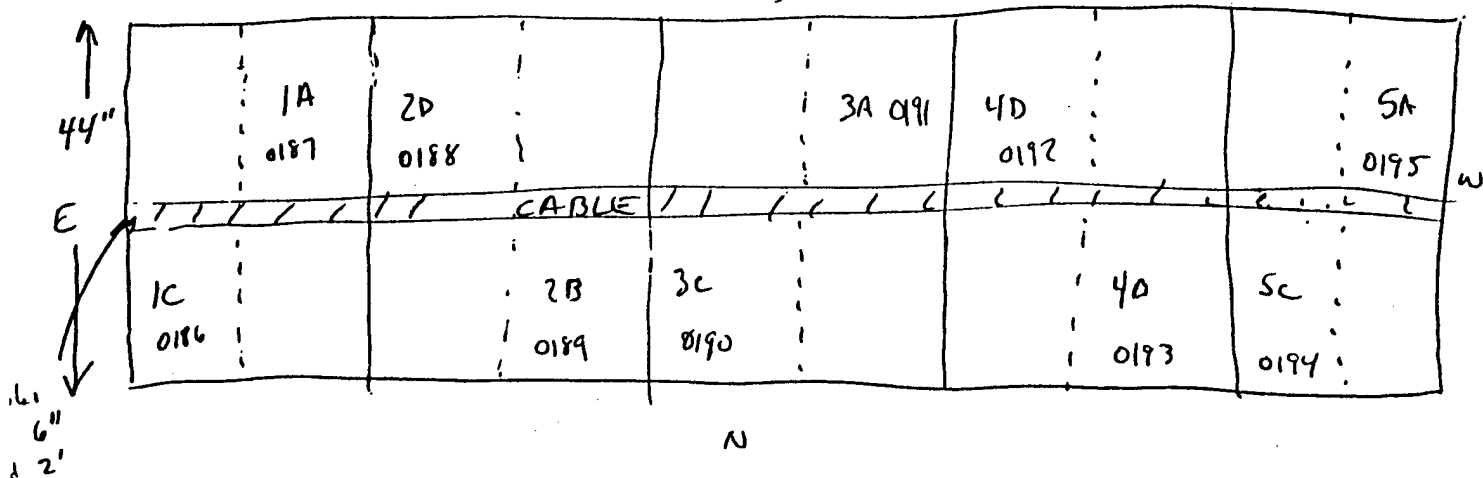
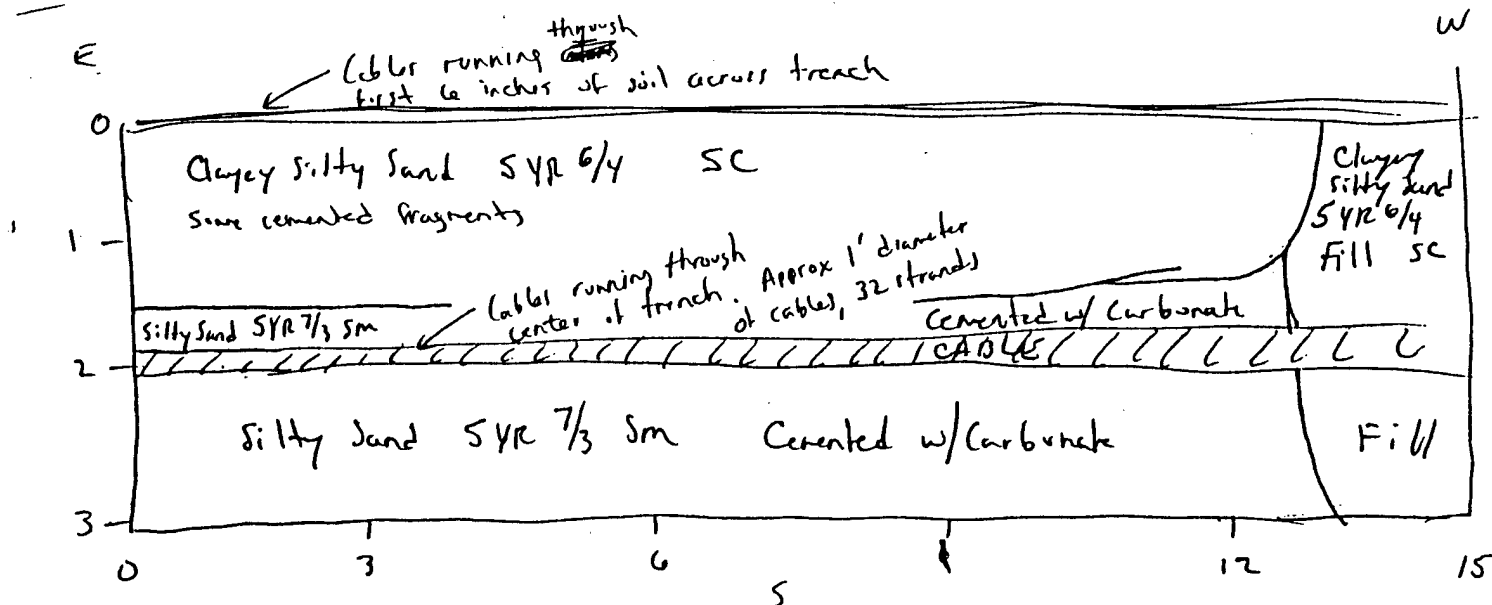
- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B- BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/24/94 8/25/94 AK  
 LOCATION ID: 0081 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: In depression near trenching area 2. About 100' west of road.  
 COMMENTS: In depression  
 FIELD REPRESENTATIVE(S): SRG

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION             | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS      | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------------|------|-------------|---------------------|-------------|---------------------------|----------------|
| 0.5                 | 5.0                  |           |               | 100                 | clayey silty sand 5YR 4/4          | SC   |             |                     |             | ↓                         |                |
| 1.0                 | 5.0                  |           |               | 100                 | silty sand 5YR 4/4                 | SM   |             |                     |             |                           |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4          | SC   |             |                     |             |                           |                |
| 2.0                 |                      | 0001      | A             | 100                 | clayey silty sand 5YR 4/4          | SC   |             |                     |             | pass. wood fragment       |                |
| 2.5                 |                      |           |               | 100                 | silty sand w/ pebbles 5YR 4/4      | SM   |             |                     |             | More wood? white grains   |                |
| 3.0                 |                      |           |               | 100                 | silty sand w/ white grains 5YR 4/4 | SM   |             |                     |             | "                         |                |
| 3.5                 |                      |           |               | 100                 | silty sand 5YR 4/4                 | SM   |             |                     |             | "                         |                |
| 4.0                 |                      |           |               | 100                 | silty sand 5YR 4/4                 | SM   |             |                     |             | "                         |                |
| 4.5                 |                      |           |               | 100                 | silty sand 5YR 4/4                 | SM   |             |                     |             | "                         |                |
| 5.0                 |                      |           |               | 100                 | silty sand 5YR 4/4                 | SM   |             |                     |             | white grains & wood chips |                |
| 5.5                 |                      |           |               | 100                 | silty sand w/ pebbles 5YR 4/4      | SM   |             |                     |             |                           |                |
| 6.0                 |                      |           |               | 100                 | silty sand w/ pebbles 5YR 4/4      | SM   |             |                     |             |                           |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

AK 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25  
 LOCATION ID: 0282 0082 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: In depression near trenching Area 2. 2 100' west of Road  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | ML   |             |                     |             |                      |                |
| 6.5                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 7.0                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 7.5                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 8.0                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 8.5                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 9.0                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 9.5                 |                      |           |               |                     |                              |      |             |                     |             |                      |                |
| 10.0                |                      |           |               |                     |                              |      |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

WNR 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/25  
 LOCATION ID: 0083 BORE HOLE DEPTH (FT): 6-0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Near trenching area 2 ~ 40' W of road  
Grid coordinates ~ 140E, 180N  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): SRG

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                              | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 7.5                 |                      |           |               |                     | Silty sand w/ roots & organic mat. 7.5 YR 5/4 (REL) | SM   |             |                     |            | Dry                     |                |
| 10                  |                      |           |               |                     | Silty sand w/ some pebbles 7.5 YR 5/4               | SM   |             |                     |            | ↓                       |                |
| 15                  |                      |           |               |                     | Silty sand w/ some pebbles 7.5 YR 5/4               | SM   |             |                     |            |                         |                |
| 20                  |                      |           |               |                     | Silty sand w/ some pebbles 7.5 YR 5/4               | SM   |             |                     |            |                         |                |
| 25                  |                      |           |               |                     | Silty sand w/ some pebbles 7.5 YR 5/4               | SM   |             |                     |            | Some white grains       |                |
| 30                  |                      |           |               |                     | Silty sand w/ pebbles 7.5 YR 5/4                    | SM   |             |                     |            |                         |                |
| 35                  |                      |           |               |                     | Silty sand w/ pebbles 7.5 YR 5/4                    | SM   |             |                     |            |                         |                |
| 40                  |                      |           |               |                     | Silty sand w/ pebbles 7.5 YR 5/4                    | SM   |             |                     |            |                         |                |
| 45                  |                      |           |               |                     | Silty sand w/ pebbles 7.5 YR 5/4                    | SM   |             |                     |            | pieces of ply. wood     |                |
| 5.0                 |                      |           |               |                     | Silty sand w/ pebbles 7.5 YR 5/4                    | SM   |             |                     |            | piece of wire           |                |
| 5.5                 |                      |           |               |                     | Silty sand w/ pebbles 7.5 YR 5/4                    | SM   |             |                     |            | white grains            |                |
| 6.0                 |                      |           |               |                     | Silty sand w/ some pebbles 7.5 YR 5/4               | SM   |             |                     |            | wood fragments          |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

SRG 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25  
 LOCATION ID: 0084 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 140E, 180N vicinity near track area 2  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Jeff Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION         | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|--------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 5/4 silty sand          |      |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 silty sand          |      |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 10 YR 5/4 silty sand           |      |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 2.5                 |                      | 000       | A             | 100%                | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
|                     |                      |           |               |                     | Pieces of wood.                |      |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 10 YR 5/4 silty sand w/pebbles |      |             |                     |              |                         |                |
| 6.2                 |                      |           |               |                     |                                |      |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM - 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25  
 LOCATION ID: 0085 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: NEAR Geophysical Anomaly AT 220 N, 210 E  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 2.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  |      |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KTRLD154 DATE: 8/25/94  
 LOCATION ID: 0086 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Near 220N 210E of Geophysical area 1. Just east of road.  
 COMMENTS: Sample at 13:50  
 FIELD REPRESENTATIVE(S): Plum

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION          | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 5                   |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 6                   |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 7                   |                      |           |               | 100                 | Silty Sand S YR S/4 wood chunks | SM   |             |                     |            |                     |                |
| 8                   |                      |           |               | 100                 | Silty Sand S YR S/4 some cement | SM   |             |                     |            |                     |                |
| 9                   |                      |           |               | 100                 | Silty Sand S YR S/4 some cement | SM   |             |                     |            |                     |                |
| 10                  |                      |           |               | 100                 | Silty Sand S YR S/4 some cement | SM   |             |                     |            |                     |                |
| 11                  |                      |           |               | 100                 | Silty Sand S YR S/4 some cement | SM   |             |                     |            |                     |                |
| 12                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 13                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 14                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 15                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 16                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 17                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 18                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 19                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |
| 20                  |                      |           |               | 100                 | Silty Sand S YR S/4             | SM   |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Jack. Min 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KR7LD 154 DATE: 8/25

LOCATION ID: 0087 BORE HOLE DEPTH (FT): \_\_\_\_\_

BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: \_\_\_\_\_

LOCATION DESCRIPTION: In Depression of Trenching Area 1

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0-5                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             | moist                   |                |
| 1.0                 |                      |           |               |                     | 10YR 4/3 silty clayey sand |      |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 4/3 silty clayey sand |      |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 4/3 Silty clayey sand |      |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 4/3 silty clayey sand |      |             |                     |             |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/25/94  
 LOCATION ID: 0088 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: In depression near trenching area 1 (Geophys. Area 1)  
 COMMENTS: Start at @ 1410 Sample at 1445  
 FIELD REPRESENTATIVE(S): Pkon

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS      | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|---------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             | Wet Core<br>wet core<br>↓ |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 2.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 3/4 | SC   |             |                     |             |                           |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
Pkon 8/25/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL D 154DATE: 8/25LOCATION ID: AS 0090-0089

BORE HOLE DEPTH (FT): \_\_\_\_\_

BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 380E, ON

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand        |      |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand        |      |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand        |      |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand        |      |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand        |      |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Clayey Sand |      |             |                     |            |                         |                |
|                     |                      |           |               |                     |                              |      |             |                     |            |                         |                |
|                     |                      |           |               |                     |                              |      |             |                     |            |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
MMJ 8/25/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/25/94  
 LOCATION ID: 0090 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 300E, 40N of geophysical area 1  
 COMMENTS: Start 1935 Sample 1550  
 FIELD REPRESENTATIVE(S): Ken

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 1                   |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SL   |             |                     |             |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SL   |             |                     |             |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SL   |             |                     |             |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SC   |             |                     |             |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SL   |             |                     |             |                         |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 3/4 | SL   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Ken 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/15/94

LOCATION ID: 0131 BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Geophysical Area 2, Crater at OE, 230N  
North Side of Crater

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Picman

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION              | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 + 5YR 6/4 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/4           | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 110                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            | Some black staining     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3           | SC   |             |                     |            | Some cementation        |                |
| 3.0                 |                      | 0001      | A             | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            | Some cementation        |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            | Some cementation        |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            | Some cementation        |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4           | SC   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: \_\_\_\_\_

DATE: 9/15LOCATION ID: 0132BORE HOLE DEPTH (FT): 6.0'BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophys Area 2, Inside Crater wall  
OE, 210N

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION          | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 6/6 Clayey Silty Sand     | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 6/6 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
WJ 9/15

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SOIL BORING LOG**

SITE ID: K2TL0154 DATE: 9/15/94  
 LOCATION ID: 0133 BORE HOLE DEPTH (FT): 3  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2: Near bunker on south side.  
~ 240N, 120E  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): pkw

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                 | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey Silty Sand <del>54</del> SY S/4 | Sm   |             |                     |             |                         |                |
| 1.2                 |                      |           |               | 100                 | clayey Silty Sand SY R S/4             | Sm   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | clayey Silty Sand SY R S/4             | Sm   |             |                     |             |                         |                |
| 2.2                 |                      |           |               | 100                 | clayey Silty Sand SY R S/4             | Sm   |             |                     |             |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | clayey Silty Sand SY R S/4             | Sm   |             |                     |             |                         |                |
| 3.0                 |                      |           |               | 100                 | clayey Silty Sand SY R S/4             | Sm   |             |                     |             |                         |                |
|                     |                      |           |               |                     | Obstruction at 3'                      |      |             |                     |             |                         |                |
|                     |                      |           |               |                     | Stop & Sample                          |      |             |                     |             |                         |                |

**SAMPLE METHODS**

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
[Signature] 9/15/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: LCRTLD 154 DATE: 9/15  
 LOCATION ID: 0134 BORE HOLE DEPTH (FT): 6.0'  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2, 160 E, 260 N  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
Johnson 9/15

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KATL0154DATE: 9/15/94LOCATION ID: 0135BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 2 190N, 380E crater. West Side  
Inside crater rim

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand SM 5YR 5/4 | SM   |             |                     |            | Rock Frags.             |                |
| 10                  |                      |           |               | 100                 | Clayey Silty Sand SM 5YR 5/4 | SM   |             |                     |            |                         |                |
| 15                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4    | SM   |             |                     |            |                         |                |
| 20                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4    | SM   |             |                     |            | Rock Frags              |                |
| 25                  |                      | 0001      | A             | 100                 | Clayey Silty Sand 5YR 5/4    | SM   |             |                     |            | PVC pipe                |                |
| 30                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4    | SM   |             |                     |            |                         |                |
| 35                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4    | SM   |             |                     |            | Some cementation        |                |
| 40                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4    | SM   |             |                     |            | "                       |                |
| 45                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3    | SM   |             |                     |            | Cementation             |                |
| 50                  |                      |           |               | 100                 | Silty Sand 5YR 7/3           | SM   |             |                     |            | "                       |                |
| 55                  |                      |           |               | 100                 | Silty Sand 5YR 7/3           | SM   |             |                     |            | "                       |                |
| 60                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/4    | SM   |             |                     |            | "                       |                |

• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
P. K. Miller 9/15/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/15  
 LOCATION ID: 0136 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2, 390 E, 210 N  
on upper edge of cross North side  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 6/6 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 2.5                 |                      | 0001      | A             |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | Sn   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Johnson 9/15  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: LR720154 DATE: 9/15/84  
 LOCATION ID: 0137 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2 Approx 190N, 410E  
On eastern side of crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Plm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | Sm   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand S4R 7/3        | Sm   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

R. L. Minner 9/15/84  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/15  
 LOCATION ID: 0138 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2, 400E, 170N  
east side upper edge of crater south side  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 2.5YR 6/3 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 6/3 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 2.5YR 6/3 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 6/3 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 9/15  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETLD154 DATE: 9/15/94  
 LOCATION ID: 0139 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2. At NE corner of grid.  
Approx 50' East of NE corner. SW side of depression.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | clayey silty sand S4R 7/4 | SC   |             |                     |              |                         |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand S4R 7/4 | SC   |             |                     |              |                         |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 2.2                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 2.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 4.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 5.0                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 5.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |
| 6.0                 |                      |           |               | 100                 | clayey silty sand S4R 5/4 | SC   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: CRILD 154 DATE: 9/15  
 LOCATION ID: 0140 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2, Approx 50' East of NE corner of Grid. Southern edge of small depression  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 clayey silty sand | SN   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | SN   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | SN   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | SN   |             |                     |              |                         |                |
| 2.5                 |                      | 0001      | A             |                     | 7.5 YR 5/4 clayey silty sand | SN   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | SC   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | SC   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | SC   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | SC   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | SC   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | SC   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | SC   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

# SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/15/94  
LOCATION ID: 0141 BORE HOLE DEPTH (FT): 6  
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
LOCATION DESCRIPTION: Geophysical Area 2 50-75' east of NE corner of grid  
On NE side of large depression  
COMMENTS: \_\_\_\_\_  
FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 3.0                 |                      | 0001      | A             | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |             |                         |                |

**SAMPLE METHODS**  
A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

**CONSTRUCTION METHODS**  
R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: PKM 9/15/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD154 DATE: 9/15  
 LOCATION ID: 0143 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2, Approx 50' East of NE Corner, NE Corner  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 0.5                 |                      |           |               | 100                 | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM - 9/15  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETL0154 DATE: 9/16/94  
 LOCATION ID: 0143 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area? Desert Fire Campy at ON, 40E of gill  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 0.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | rock debris         |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | rock debris         |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 2.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 4.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 5.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 5.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 6.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | SM   |             |                     |            | "                   |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRWD154 DATE: 9/16  
 LOCATION ID: 0143<sup>06</sup> 0144 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): \_\_\_\_\_ CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2 ON, 40E, EAST  
Side of two "wells"  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.57R 5/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SC   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 9/16  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETD154 DATE: 9/16/94  
 LOCATION ID: 0145 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2. Approx 100' SW of grid  
In large trench. Next to well casing. Southernmost of 2 samples  
in vicinity  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): P. Kern

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | rock debris         |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                     |                |
| 3.0                 |                      |           | <u>DATA A</u> | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | rock debris         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | "                   |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | "                   |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

P. Kern 9/16/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154DATE: 9/16LOCATION ID: 0146BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 2, Approx 100' South west of South west corner of AEDS. North end ofCOMMENTS: Two wells in disturbed Gravel.FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

MM - 9/16  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KATLD 151 DATE: 9/16/94  
 LOCATION ID: 0147 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 2. Small crater 50' west of large trench (0145, 0146). Well casing in crater is collapsed in on itself  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SM   |             |                     |            |                     |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SM   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SM   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand 54R 5/4 | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | silty clayey sand 54R 7/3 | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | silty clayey sand 54R 7/3 | SC   |             |                     |            |                     |                |
|                     |                      |           |               |                     | stopped in native soils   |      |             |                     |            |                     |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KR7CD 1541 DATE: 9/16  
 LOCATION ID: 0148 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Small CRATER w/ collapsed well casing East Side inside CRATER Geophysics Area?  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION          | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 0.5                 |                      |           |               |                     | NO. 7.5YR 7/4 Clayey Silty Sand | SC   |             |                     |            |                     |                |
| 1.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 1.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand     | SC   |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD154DATE: 9/16/94LOCATION ID: 0149BORE HOLE DEPTH (FT): 5.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 2. Crater approx 150' south of SW corner of grid. Out of gridded area.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Pkan

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Silty Sand S4R 7/4        | SM   |             |                     |              |                       |                |
| 1.0                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 1.5                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 2.0                 |                      |           |               | 100                 | clayey silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 2.5                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 3.0                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 3.5                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 4.0                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 4.5                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4 | SC   |             |                     |              |                       |                |
| 5.0                 |                      |           |               | 100                 | clayey Silty Sand S4R 7/3 | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | Obstruction at 5'         |      |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | Stop & Sample             |      |             |                     |              |                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/16  
 LOCATION ID: 0150 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Small Crater Geophysical Area 2 Apex  
100' South of South West corner  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             | Some<br>Rock<br>Debris  |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 9/16  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/26/94  
 LOCATION ID: 0151 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 3. Crater in SW corner North  
side of crater just outside of crater. 80N 160E on grid  
 COMMENTS: Start at 0850  
 FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand 5YR 4/6 | SC   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 4/6 | SC   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6        | SM   |             |                     |             |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pkm 8/26/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD154 DATE: 8/26  
 LOCATION ID: 0152 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: \_\_\_\_\_  
 COMMENTS: SUN, 200E Geophysical Area 3  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 5/8 Silty Sand      | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 5/8 Silty Sand      | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 4.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 5/4 Silty Sand      | SM   |             |                     |              |                         |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/26  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTCD 154 DATE: 8/26/94  
 LOCATION ID: 0153 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Crater in SW Corner of Geophysical Area 3  
East side of crater 460 170E  
 COMMENTS: Start at 0910  
 FIELD REPRESENTATIVE(S): P/cm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                           | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|--------------------------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Silty <sup>fine</sup> Sand Some Organics 5YR 4/6 | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               | 100                 | Silty Sand Some Organics 5YR 4/6                 | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              | Some cement             |                |
| 2.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              | Some cement             |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              | Some cement             |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              | Some Cement             |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 5YR 4/6                               | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

P/cm 8/26/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/26  
 LOCATION ID: 0154 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: SDN, 150E Geophysical Area 3  
 COMMENTS: Inside CIARE  
 FIELD REPRESENTATIVE(S): Jbhaza

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD * | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|-----------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |                 |                     | Clayey Silty Sand 7.5YR 3/4 | SC   |             |                     |              |                       |                |
| 1.0                 |                      |           |                 |                     | Clayey Silty Sand 7.5YR 3/4 | SC   |             |                     |              |                       |                |
| 1.5                 |                      |           |                 |                     | Clayey Silty Sand 7.5YR 5/4 | SC   |             |                     |              |                       |                |
| 2.0                 |                      |           |                 |                     | 5YR 6/4 Silty Sand          | SH   |             |                     |              |                       |                |
| 2.5                 |                      |           |                 |                     | 5YR 6/4 Silty Sand          | SH   |             |                     |              |                       |                |
| 3.0                 |                      |           |                 |                     | 5YR 6/4 Silty Sand          | SH   |             |                     |              |                       |                |
| 3.5                 |                      |           |                 |                     | 5YR 8/2 Silty Sand          | SH   |             |                     |              |                       |                |
| 4.0                 |                      |           |                 |                     | 5YR 8/2 Silty Sand          | SH   |             |                     |              |                       |                |
| 4.5                 |                      |           |                 |                     | 5YR 8/2 Silty Sand          | SH   |             |                     |              |                       |                |
| 5.0                 |                      |           |                 |                     | 5YR 8/2 Silty Sand          | SH   |             |                     |              |                       |                |
| 5.5                 |                      |           |                 |                     | 5YR 8/2 Silty Sand          | SH   |             |                     |              |                       |                |
| 6.0                 |                      |           |                 |                     | 5YR 8/2 Silty Sand          | SH   |             |                     |              |                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Jbhaza 8/26  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETLDISY DATE: 8/26/94  
 LOCATION ID: 0155 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 3, 260N, 240E on grid. On South side of crater edge.  
 COMMENTS: Start 10:25  
 FIELD REPRESENTATIVE(S): PM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |             |                         |                |
| 10                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |             |                         |                |
| 15                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 20                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 25                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 30                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 35                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 40                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 45                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 50                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 55                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |
| 60                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |             |                         |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Rock Miller 8/26/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

# SOIL BORING LOG

SITE ID: KRZD154 DATE: 8/26  
LOCATION ID: 0156 BORE HOLE DEPTH (FT): 6  
BORE HOLE DIAMETER (IN): 24 CONSTRUCTION METHOD: A  
LOCATION DESCRIPTION: 260N, 260E Geophysics Area 3  
COMMENTS: \_\_\_\_\_  
FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand  | SM   |             |                     |              |                       |                |
| 4.5                 |                      |           |               |                     | 10 YR 7/4 Silty Sand   | SM   |             |                     |              |                       |                |
| 5.0                 |                      |           |               |                     | 10 YR 7/4 Silty Sand   | SM   |             |                     |              |                       |                |
| 5.5                 |                      |           |               |                     | 10 YR 7/4 Silty Sand   | SM   |             |                     |              |                       |                |
| 6.0                 |                      |           |               |                     | 10 YR 7/4 Silty Sand   | SM   |             |                     |              |                       |                |

### SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

### CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

MMV 8/26  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: LETLDIS4 DATE: 8/26/94  
 LOCATION ID: 0157 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 7 280N, 240E on Grid. North  
side of crater inside crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKMS

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION        | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4     | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4     | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4     | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand 5YR 5/4            | SM   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Sand 5YR 5/4            | SM   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand 5YR 5/4            | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand 5YR 5/4 Some Rock  | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand 5YR 5/4 Some Rocks | SM   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand 5YR 5/4 Some Rocks | SM   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 5YR 5/4 Some Rocks | SM   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 5YR 5/4            | SM   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Paul Davis 8/26/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KR2D/54 DATE: 8/26  
 LOCATION ID: 0158 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 200N, 260E Geophys Area 3  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 3/4 Silty sand  | SM   |             |                     |              |                         |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/26  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SOIL BORING LOG**

SITE ID: KRTL0154 DATE: 8/26/94  
 LOCATION ID: 0159 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 3 at Grid 300N, 240E. South side of crater on rim.  
 COMMENTS: Start 1155  
 FIELD REPRESENTATIVE(S): Pkan

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 10                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 15                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 20                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 25                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |
| 30                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 35                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |
| 40                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |
| 45                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |
| 50                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |
| 55                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |
| 60                  |                      |           |               | 100                 | Silty Sand 5YR 5/4        | SM   |             |                     |            |                     |                |

**SAMPLE METHODS**

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pkan 8/26/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRILD 154 DATE: 8/26

LOCATION ID: 0160 BORE HOLE DEPTH (FT): \_\_\_\_\_

BORE HOLE DIAMETER (IN): 3" CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: 320 N, 340 E Geophysical Area 3

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Inside CLARER

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 0.5                 |                      |           |               |                     | 2.7 YR 4/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 3.0                 |                      | 004       | A             | 100%                | 7.5 YR 4/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand  | SM   |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

MM 8/26  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/26/94  
 LOCATION ID: 0161 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 3 - Grid 300E, 220N  
300N, 220E West side of crater  
 COMMENTS: Start 1225  
 FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 0.5                 |                      |           |               | 100                 | clayey silty sand 5 YR 5/4 | SC   |             |                     |            | Some Organic        |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand 5 YR 5/4 | SC   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            | some cement         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            | some cement         |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 5 YR 5/4        | SM   |             |                     |            |                     |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
P. K. Mison 8/26/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL 154 DATE: 8/26  
 LOCATION ID: 0162 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): \_\_\_\_\_ CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 320N, 225E Geophys Area 3  
 COMMENTS: on outer edge of crater.  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5YR 6/4 silty sand   | SM   |             |                     |              |                       |                |
| 1.5                 |                      |           |               |                     | 7.5YR 6/4 silty sand   | SM   |             |                     |              |                       |                |
| 2.0                 |                      |           |               |                     | 7.5YR 5/4 silty sand   | SM   |             |                     |              |                       |                |
| 2.5                 |                      |           |               |                     | 7.5YR 5/4 silty sand   | SM   |             |                     |              |                       |                |
| 3.0                 |                      |           |               |                     | 7.5YR 5/4 silty sand   | SM   |             |                     |              |                       |                |
| 3.5                 |                      |           |               |                     | 7.5YR 5/4 silty sand   | SM   |             |                     |              |                       |                |
| 4.0                 |                      |           |               |                     | 10YR 7/3 silty sand    | SM   |             |                     |              |                       |                |
| 4.5                 |                      |           |               |                     | 10YR 7/3 silty sand    | SM   |             |                     |              |                       |                |
| 5.0                 |                      |           |               |                     | 10YR 7/3 silty sand    | SM   |             |                     |              |                       |                |
| 5.5                 |                      |           |               |                     | 10YR 7/3 silty sand    | SM   |             |                     |              |                       |                |
| 6.0                 |                      |           |               |                     | 10YR 7/3 silty sand    | SM   |             |                     |              |                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

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 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/26  
 LOCATION ID: D163 BORE HOLE DEPTH (FT): \_\_\_\_\_  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: S20E, 320N Geophys Area 3  
 COMMENTS: edge of crater  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5YR 4/4 Silty sand   | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 4/4 Silty sand   | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 4/4 Silty sand   | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 4/4 Silty sand   | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 6/3 Silty sand    | SM   |             |                     |              |                         |                |

\*\* SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

\* CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/26  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

C-43

## SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/26/94  
 LOCATION ID: 0164 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical area 3 - Grid 340N, 500E in center of crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pear

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Sand 5YR 5/4       | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Clayey Sand 5YR 5/4 | SC   |             |                     |            |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pear 8/26/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: <sup>PKM</sup> ~~KRTLD00~~ KRTLD154 DATE: 8/26/94  
 LOCATION ID: 0165 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 3 - Grid 360N, 500E,  
 North edge of crater  
 COMMENTS:  
 FIELD REPRESENTATIVE(S): PKM, J Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | CLAYEY SILTY SAND SYR 5/4 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | CLAYEY SILTY SAND SYR 5/4 | SC   |             |                     |            | some organic material   |                |
| 1.5                 |                      |           |               |                     | CLAYEY SILTY SAND SYR 5/4 | SC   |             |                     |            | some debris             |                |
| 2.0                 |                      |           |               |                     | CLAYEY SILTY SAND SYR 5/4 | SC   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             |                     | CLAYEY SILTY SAND SYR 5/4 | SC   |             |                     |            | Rock debris             |                |
| 3.0                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            | Rock debris             |                |
| 4.0                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            | cementation             |                |
| 4.5                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            | Cementation             |                |
| 6.0                 |                      |           |               |                     | SILTY SAND SYR 5/4        | SC   |             |                     |            |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
 Rick Whitt 8/26/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KATLD154 DATE: 9/16/94  
 LOCATION ID: 0206 BORE HOLE DEPTH (FT): 5.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4. ~150 west of NW corner of grid.  
In linear depression on north side. ~30' South of road  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Penn

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                         | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 2.2                 |                      | 0001      | A             | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4                      | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand S4R 6/4                             | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand S4R 6/4                             | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           | 50            | 50                  | Silty Sand S4R 7/3                             | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | Stop at 5.5' due to<br>no penetration possible |      |             |                     |             |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
For K. Min 9/16/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/16  
 LOCATION ID: 0207 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geo phys Area 4. 150' w of NW corner  
of Grid in long depression  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KATLD154 DATE: 9/16/94  
 LOCATION ID: 0208 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4. ~150' west of NW corner of grid  
In center of linear depression.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): DKR

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | Rock, cementation       |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4 | SM   |             |                     |            | "                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

DKR 9/16/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTIP 1541 DATE: 7/16  
 LOCATION ID: 0209 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4, Approx 150' W of NW  
Corner of Gr. 2. Southern end long depression  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.0                 |                      | 0001      | A             |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             | Very Hard               |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 9/16  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETCD 154DATE: 9/16/94LOCATION ID: 0210BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 4. Approx 40' west of NW corner of grid, in N-S depression. Watermark sample in depression

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Allen

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 5                   |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SM   |             |                     |            |                     |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SM   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SM   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SM   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SM   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | clayey silty sand SYR 6/4 | SC   |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 151 DATE: 9/16  
 LOCATION ID: 0211 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4. 700' north of north  
west corner in long depression. OF, 500 N  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 2.5YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                       |                |
| 1.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                       |                |
| 1.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                       |                |
| 2.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                       |                |
| 2.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SC   |             |                     |              |                       |                |
| 3.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SC   |             |                     |              |                       |                |
| 3.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SC   |             |                     |              |                       |                |
| 4.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SC   |             |                     |              |                       |                |
| 4.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SC   |             |                     |              |                       |                |
| 5.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SC   |             |                     |              |                       |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
MM 9/16

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD154DATE: 9/16/94LOCATION ID: 0212BORE HOLE DEPTH (FT): 3.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 4. Approx ~~100' south of~~ NW corner of  
In North/South trending linear trench ( ~~100' south of~~ )COMMENTS: 10E, 480NFIELD REPRESENTATIVE(S): PLH

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                                            | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4                                         | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4                                         | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4                                         | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4                                         | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4                                         | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4                                         | SC   |             |                     |            |                         |                |
|                     |                      |           |               |                     | Hit large obstruction at<br>3' stop & sample<br>above obstruction |      |             |                     |            |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 15' DATE: 9/16  
 LOCATION ID: 0213 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4. 10E, 500N 470N  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 5/4 Clayey Silty Sand | SH   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: HTD154 DATE: 9/19/94  
 LOCATION ID: 0214 BORE HOLE DEPTH (FT): 3.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4. Grid 230E, 300N. On  
Asphalt edge of borrow area  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Plm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | Obstruction at 3'         |      |             |                     |             |                         |                |
|                     |                      |           |               |                     | Sample from 2-3'          |      |             |                     |             |                         |                |

•• **SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• **CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Plm 9/19/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KR12D154 DATE: 9/19  
 LOCATION ID: 0245 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 240E, 300N geophys Area 4  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.5                 |                      | 0001      | A             |                     | 7.5YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
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 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/19/44  
 LOCATION ID: 0216 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4, Grid 2600E, 300N  
Approx 20' west of borrow pit  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): RKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | sm   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | sm   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | sm   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand SYR 5/4 | sm   |             |                     |             |                         |                |
| 2.5                 |                      |           |               | 100                 | silty sand SYR 7/3        | sm   |             |                     |             |                         |                |
| 3.0                 |                      |           |               | 100                 | silty sand SYR 7/3        | sm   |             |                     |             |                         |                |
| 3.5                 |                      |           |               | 100                 | silty sand SYR 7/3        | sm   |             |                     |             |                         |                |
| 4.0                 |                      |           |               | 100                 | silty sand SYR 7/3        | sm   |             |                     |             |                         |                |
| 4.5                 |                      |           |               | 100                 | silty sand SYR 7/3        | sm   |             |                     |             |                         |                |
| 5.0                 |                      |           |               | 100                 | silty sand SYR 7/3        | sm   |             |                     |             |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
RKM 9/19/44

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD 157DATE: 9/19LOCATION ID: 0217BORE HOLE DEPTH (FT): 4.5BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophys Area 4 280E, 300N

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 5/6 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 5/6 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 5/6 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 2.0                 |                      | 0001      | A             |                     | 7.5YR 5/6 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 8/6 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD154DATE: 9/19/94 <sup>pen</sup>LOCATION ID: 0218BORE HOLE DEPTH (FT): 5.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 4. Grid 350N, 290E  
On top of small debris pile.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): pen

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | rock debris             |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | "                       |                |
| 3.0                 |                      | 0001      | A             | 100                 | Clayey Silty Sand SYR 5/4 | SM   |             |                     |            | "                       |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SM   |             |                     |            | "                       |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand SYR 7/3        | SM   |             |                     |            | Cementation             |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand SYR 7/3        | SM   |             |                     |            | "                       |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand SYR 7/3        | SM   |             |                     |            | "                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
pen 9/19/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

# SOIL BORING LOG

DATE: 7/19

BORE HOLE DEPTH (FT): 5.0

CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Geophysical Area 4, 260E, 360N

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.57R 6/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 2.5                 | —                    | 0001      | A             |                     | 7.57R 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 5.0                 | —                    |           |               |                     | 7.57R 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |

- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B- BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD154 DATE: 9/19/94  
 LOCATION ID: 0220 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4 Cont 300E, 360W On  
cut side of dirt pile and excavation  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKA

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION          | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand S 4R 3/4      | SM   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand S 4R 6/4      | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S 4R 4/4      | SC   |             |                     |            |                         |                |
| 2.0                 |                      | 0001      | A             | 100                 | Clayey Silty Sand S 4R 6/4      | SC   |             |                     |            | Rock Fragments          |                |
| 2.5                 |                      |           |               | 100                 | Silty Sand S 4R 7/3             | SM   |             |                     |            | Some cement             |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand S 4R 7/3             | SM   |             |                     |            | "                       |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand S 4R 7/3             | SM   |             |                     |            | "                       |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand S 4R 7/3             | SM   |             |                     |            | "                       |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand S 4R 7/3             | SM   |             |                     |            | Cementation             |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand S 4R 7/3             | SM   |             |                     |            | "                       |                |
|                     |                      |           |               |                     | Stop at 5.<br>Well into caliche |      |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHIELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKA 9/19/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL D154 DATE: 9/19  
 LOCATION ID: 0221 BORE HOLE DEPTH (FT): 5.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4 290 E, 370 N  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 1.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 1.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 2.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 2.5                 |                      |           |               |                     | 7.5YR 4/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 3.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 3.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 4.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |
| 4.5                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 5.0                 |                      |           |               |                     | 7.5YR 7/4 Clayey Silty Sand | SC   |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STANDARD ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/19/94  
 LOCATION ID: 0222 BORE HOLE DEPTH (FT): 5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 4 ~200' NE of gridded area  
100' South of road. In depression on south side  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pku

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4             | Sm   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R 6/4             | Sm   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4             | Sm   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4             | Sm   |             |                     |            | over cement             |                |
| 2.5                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4             | Sm   |             |                     |            | "                       |                |
| 3.0                 |                      |           |               | 100                 | clayey Silty Sand S4R 6/4             | Sm   |             |                     |            | "                       |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand S4R 7/4                    | Sm   |             |                     |            | Cementation             |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand S4R 7/3                    | Sm   |             |                     |            | "                       |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand S4R 7/3                    | Sm   |             |                     |            | "                       |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand S4R 7/3                    | Sm   |             |                     |            | "                       |                |
|                     |                      |           |               |                     | Stop at 5'<br>well into caliche layer |      |             |                     |            |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pku 9/19/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154DATE: 9/19LOCATION ID: 0223BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ATLOCATION DESCRIPTION: Geophysical Area 4 200' NE of Grid. 100'  
South of Road in slight depression

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94  
 LOCATION ID: 0226 BORE HOLE DEPTH (FT): 4  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 5. Just east of I-beam  
Approx. 250W, 200E. Southernmost of 2 adjacent samples.  
 COMMENTS: Hit obstruction at 4' Stop + Sample  
 FIELD REPRESENTATIVE(S): Pkan

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6                    | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Coarse Medium Sand 5YR 5/6                   | SP   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | Coarse Sand w/silt + cobbles 5YR 5/6         | SP   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand (Coarse) w/cobbles 5YR 5/6 | SP   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand (medium) w/cobbles 5YR 5/6 | SM   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand (medium) 5YR 5/6           | SM   |             |                     |            |                     |                |
|                     |                      |           |               | 100                 | Clayey Silty Sand (medium) 5YR 5/6           | SC   |             |                     |            |                     |                |
|                     |                      |           |               |                     | HIT OBSTRUCTION STOP<br>+ SAMPLE             |      |             |                     |            |                     |                |
|                     |                      |           |               |                     | ↳ large rock or cement                       |      |             |                     |            |                     |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pkan 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/30  
 LOCATION ID: 0227 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 240N, 200E Geophy, Area 5  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | sn   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 6/4 Silty Sand        | sn   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 6/4 Silty Sand        | sn   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 6/4 Silty Sand        | sn   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 6/4 Silty Sand        | sn   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SOIL BORING LOG**

SITE ID: KRTLD 154 DATE: 8/30/94  
 LOCATION ID: 0228 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 5 → 350N, 170E, Northernmost of the 2 adjacent sampling locations  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PLM

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 2.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand S YR 5/6 | SC   |             |                     |            | Some cementation    |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand S YR 6/4        | SM   |             |                     |            | Cementation         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand S YR 6/4        | SM   |             |                     |            | "                   |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand S YR 6/4        | SM   |             |                     |            | "                   |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand S YR 6/4        | SM   |             |                     |            | "                   |                |

**SAMPLE METHODS**

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PLM 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD154 DATE: 8/30  
 LOCATION ID: 0229 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 350N, 170E Approx, Geophys Area 5  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS                          | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|--------------------------------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             | some<br>cementation<br>↓<br>Heavy<br>Cementation |                |
| 1.0                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 1.5                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 2.0                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 2.5                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 3.0                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 3.5                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 4.0                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 4.5                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 5.0                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 5.5                 |                      |           |               |                     | 7.5YR 7/2 Silty coarse sand | SM   |             |                     |             |                                                  |                |
| 6.0                 |                      |           |               |                     | 7.5YR 8/4 Silty sand        | SM   |             |                     |             |                                                  |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MMK 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94  
 LOCATION ID: 0230 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 5 460N 80E  
Adjacent to green post  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | Wood fragments          |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | Rock fragments          |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | "                       |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | "                       |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | "                       |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | Rock frags<br>+ cement  |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | Rock frags<br>+ cement  |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | "                       |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            | Rock frags              |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 5/6 | SC   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pkm 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/30LOCATION ID: 0231BORE HOLE DEPTH (FT): 6.0

BORE HOLE DIAMETER (IN): \_\_\_\_\_

CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 40E, 450N, Geophys area 5

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS         | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|---------------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             | Some<br>Pebbles/<br>Rock debris |                |
| 1.0                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 1.5                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 2.0                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 2.5                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 3.0                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 3.5                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 4.0                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 4.5                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 5.0                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 5.5                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |
| 6.0                 |                      |           |               |                     | 7.5YR 7/2 Silty Coarse Sand | SN   |             |                     |             |                                 |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

MM 8/30/94  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94  
 LOCATION ID: 0232 BORE HOLE DEPTH (FT): 12  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: North of Geophysical Area 5. Approx 100' north of  
large center. Adjacent to garden post. Westernmost sample.  
 COMMENTS: 420' well  
 FIELD REPRESENTATIVE(S): P. K. Murr

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           | A             | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 3.2                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/L | SC   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand SYR G/L        | SM   |             |                     |            | Consolidation           |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

P. K. Murr 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL01541 DATE: 8/30  
 LOCATION ID: 0233 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): \_\_\_\_\_ CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: A 100' North of large. c. arr. S' east of  
Blue pipe.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 4/6 Clayey Silty Sand  | SN   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 2.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 7/2 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 8/4 Clayey Silty Sand | SN   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MR 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: 10RTLD154

DATE: 8/30/94

LOCATION ID: 0234

BORE HOLE DEPTH (FT): 4

BORE HOLE DIAMETER (IN): 2

CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Geophysical Area 5 - North of area inside  
large crater on SW side.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| LITHOLOGIC LOG (FOR TRENCH, WAKE ADVANCEMENT) |                      |           |               |                     |                           |      |             |                     |             |                         |                |
|-----------------------------------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| DEPTH INTERVAL (FT)                           | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
| 0.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 1.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             | Some pebbles            |                |
| 1.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             | Some pebbles            |                |
| 2.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 2.5                                           |                      |           | A             | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 3.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 3.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 4.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 4.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 5.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 5.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 6.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 6.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 7.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 7.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 8.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 8.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 9.0                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 9.5                                           |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 10.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 10.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 11.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 11.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 12.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 12.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 13.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 13.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 14.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 14.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 15.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 15.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 16.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 16.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 17.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 17.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 18.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 18.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 19.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 19.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 20.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 20.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 21.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 21.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 22.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 22.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 23.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 23.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 24.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 24.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 25.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 25.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 26.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 26.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 27.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 27.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 28.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 28.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 29.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 29.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 30.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 30.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 31.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 31.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 32.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 32.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 33.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 33.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 34.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 34.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 35.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 35.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 36.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 36.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 37.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 37.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 38.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 38.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 39.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 39.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 40.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 40.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 41.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 41.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 42.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 42.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 43.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 43.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 44.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 44.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 45.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 45.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 46.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 46.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 47.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 47.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 48.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 48.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 49.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 49.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 50.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 50.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 51.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 51.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 52.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 52.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 53.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 53.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 54.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 54.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 55.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 55.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 56.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 56.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 57.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 57.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 58.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 58.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 59.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 59.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 60.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 60.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 61.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 61.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 62.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 62.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 63.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 63.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 64.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 64.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 65.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 65.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 66.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 66.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 67.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 67.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 68.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 68.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 69.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 69.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 70.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 70.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 71.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 71.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 72.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 72.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 73.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 73.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 74.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 74.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 75.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 75.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 76.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 76.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 77.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 77.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 78.0                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
| 78.5                                          |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                         |                |
|                                               |                      |           |               |                     |                           |      |             |                     |             |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B- BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/30LOCATION ID: 0235BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Inside large Crater North of Geophys Area 5 on western slope.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS                      | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|------------|----------------------------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |            | Some<br>Pebbles/<br>Concretaria<br><br>Moist |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 4/4 Clayey Silty Sand | SM   |             |                     |            |                                              |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

MM 8/30/94  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SOIL BORING LOG**

SITE ID: KRTL0154 DATE: 8/30/94  
 LOCATION ID: 0236 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area S - Crater just north of Area South rim of crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pkan

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 0                   |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            | Some cobbles        |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            | "                   |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            | Some pebbles        |                |
| 2.5                 |                      | 2001      | A             | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            | Cobbles             |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                     |                |

**SAMPLE METHODS**

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Pkan 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD/54 DATE: 8/30  
 LOCATION ID: 0237 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Large Crater north of Geophys Area 5.  
Inside North East side of Crater.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31/94  
 LOCATION ID: 0238 BORE HOLE DEPTH (FT): 4.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 5 North of Gridded area  
75' North of 232 & 233 (Green Post) In area of exposed concrete  
Westernmost of 2 locations.  
 COMMENTS: Hit obstruction in 2 holes at 4.5'  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                  | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock fragments          |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock fragments          |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock fragments          |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock fragments          |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock fragments          |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock frag.              |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock, wood              |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock Frags.             |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4               | SC   |             |                     |            | Rock Frags              |                |
|                     |                      |           |               |                     | HIT OBSTRUCTION<br>IN TWO HOLES AT 4.5' |      |             |                     |            |                         |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKM 8/31/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31  
 LOCATION ID: 0239 BORE HOLE DEPTH (FT): 4.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysics Area 5. ~ 75' North 232 + 233  
in area of exposed pad.  
 COMMENTS: HER OBSTRUCTION AT 4.5'  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 6/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 2.0                 |                      | 0001      | A             |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |
| 4.5                 |                      |           |               | 100%<br>50%         | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD154DATE: 8/31/94LOCATION ID: 0240BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area North of Area. Approx 75 North of 0238 & 0239. Farthest west of 2 adjacent samples

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Plum

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION             | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5/8 5/4          | SC   |             |                     |             | Rock Frag            |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand 5/8 5/4          | SC   |             |                     |             | Rock Frag            |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5/8 5/4          | SC   |             |                     |             | Rock Frag            |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand (Medium/Course) 5/8 5/4 | SM   |             |                     |             | Cobbles              |                |
| 2.5                 |                      | 001       | A             | 100                 | Silty Sand (Medium/Course) 5/8 5/4 | SM   |             |                     |             | Cobbles              |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand (Medium/Course) 5/8 5/4 | SM   |             |                     |             | Cobbles              |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand (Med/Course) 5/8 5/4    | SM   |             |                     |             | Cobbles              |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand (Med/Course) 5/8 5/4    | SM   |             |                     |             | Cobbles              |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand (Med/Course) 5/8 5/4    | SM   |             |                     |             | "                    |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand (Course) 5/8 5/4        | SM   |             |                     |             | "                    |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand (Course) 5/8 5/4        | SM   |             |                     |             | "                    |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand (Course) 5/8 5/4        | SM   |             |                     |             | "                    |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Plum 8/31/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31  
 LOCATION ID: 0241 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: ~100' North of 239  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 7/4 COARSE Silty Sand   | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 10 1/2 7/4 COARSE Silty Sand | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 10 1/2 7/4 COARSE Silty Sand | SM   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MR 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94  
 LOCATION ID: 0242 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 5. North of grid Approx 250' east  
of 0240 & 0241. Near concrete pad covered with steel plate  
 COMMENTS: Sample from SW side of pad  
 FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION             | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey silty sand (medium) 5YR 6/4 | SC   |             |                     |            | Some cobbles        |                |
| 1.2                 |                      |           |               | 100                 | clayey silty sand (m) 5YR 6/4      | SC   |             |                     |            | Some cobbles        |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand 5YR 6/4          | SC   |             |                     |            | cobbles             |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | clayey silty sand 5YR 5/4          | SC   |             |                     |            |                     |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
Pkm 8/31/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRCD 154 DATE: 8/31  
 LOCATION ID: 0243 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: North East Corner of large Cement pad w/  
Steel plate. North east of Geophys area 5.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETLD154 DATE: 8/31/94  
 LOCATION ID: 0244 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Geophysical Area 5 - North of Area - Pubs Test 11-B  
Northernmost of all samples in area. About 200' east of desert fire cache on road.  
Westernmost of 2 adjacent sampling locations.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pkan

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION           | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS                      | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------------|------|-------------|---------------------|--------------|--------------------------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              | Rock debris                                |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              | Rock, cement<br>Cement<br>Cement<br>Cement |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand <u>SYR 6/4</u> | SC   |             |                     |              |                                            |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand <u>SYR 7/2</u>        | SM   |             |                     |              |                                            |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand <u>SYR 7/2</u>        | SM   |             |                     |              |                                            |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

K. Min 8/31/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31  
 LOCATION ID: 0245 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: By 2" pipe w/ cap marked 11-B  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 1.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 1.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 2.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 2.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 3.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 3.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 4.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 4.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 5.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 5.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |
| 6.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                       |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/2

LOCATION ID: 0246 BORE HOLE DEPTH (FT): 6.0

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Gravel Pit, a 50' east of Road  
on west side of Pit. Southern most location

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.54R 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.54R 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.57R 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.57R 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Mr 9/2  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/2/94  
 LOCATION ID: 0247 BORE HOLE DEPTH (FT): 3  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Gravel Pit. West side of Rt approx 50' east of road. Furthest location west In washout area  
 COMMENTS: See below  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey Silty Sand SYR 6/4    | SC   |             |                     |            |                     |                |
| 1.0                 |                      |           |               | 100                 | clayey Silty Sand SYR 6/4    | SC   |             |                     |            |                     |                |
| 1.5                 |                      | 0001      | A             | 100                 | clayey Silty Sand SYR 6/4    | SC   |             |                     |            | rock fragments      |                |
| 2.0                 |                      |           |               | 100                 | clayey Silty Sand SYR 6/4    | SC   |             |                     |            | rock fragments      |                |
| 2.5                 |                      |           |               | 100                 | clayey Silty Sand SYR 6/4    | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | clayey Silty Sand SYR 6/4    | SC   |             |                     |            |                     |                |
|                     |                      |           |               |                     | Hit obstruction at 3'        |      |             |                     |            |                     |                |
|                     |                      |           |               |                     | Drilled adjacent hole        |      |             |                     |            |                     |                |
|                     |                      |           |               |                     | hit obstruction at 3' again. |      |             |                     |            |                     |                |
|                     |                      |           |               |                     | Sample from 1.5-2.0'         |      |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKM 9/2/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KOTD154 DATE: 9/2/94  
 LOCATION ID: 0248 BORE HOLE DEPTH (FT): 5.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Gravel Pit. 75' east of road. Northern end  
sample area outside of pit area  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            | Rocks, Organic          |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            | rocks                   |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            | rocks                   |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                         |                |
|                     |                      |           |               |                     | Hit obstruction at 5.5'   |      |             |                     |            |                         |                |
|                     |                      |           |               |                     | stop & sample             |      |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Rock Miller 9/2/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

# SOIL BORING LOG

SITE ID: KATLD154 DATE: 9/2/94

LOCATION ID: 0249 BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Gravel Pit. In Pit about 20' from edge.  
~100' from east of road

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): P. Kim

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/4 | SC   |             |                     |            |                     |                |

### SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

### CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED  
P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

P. Kim 9/2/94  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/2LOCATION ID: 0250 BORE HOLE DEPTH (FT): \_\_\_\_\_BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Gravel P.T., Approx 100' east of Road, Down in  
Entrance to Gravel pit. eastern most Auger location.COMMENTS: Hit wooden obstruction at 2.5' Collected sample  
from 3 holes within 2' radius 1.5 - 2.5' deep

FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 10YR 6/4 Clayey Silty Sand. | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 4/4 Clayey Silty Sand  | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 4/4 Clayey Silty Sand  | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 4/4 Clayey Silty Sand  | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 4/4 Clayey Silty Sand  | SM   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
MM 9/2

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETLD 154 DATE: 9/1/94  
 LOCATION ID: 0251 BORE HOLE DEPTH (FT): 5.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Dip 5 Test West Side of Road Far  
western depression approx 75' from road North side of depression  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pkm

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/4 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 3.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 7/3 | SC   |             |                     |            |                         |                |
|                     |                      |           |               |                     | HIT OBSTRUCTION AT 5.5'   |      |             |                     |            |                         |                |
|                     |                      |           |               |                     | STOP & SAMPLE             |      |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRFLD 154 DATE: 9/1

LOCATION ID: 0252 BORE HOLE DEPTH (FT): \_\_\_\_\_

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: D.P. 5 west, west side of Road, Far west Depression 275' from road south side

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS  | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|-------------|-----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 5/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 1.0                 |                      |           |               |                     | 10YR 5/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 1.5                 |                      |           |               |                     | 10YR 4/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 2.0                 |                      |           |               |                     | 10YR 4/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 2.5                 |                      | 0001      | A             |                     | 10YR 4/4 clayey silty sand | sn   |             |                     |             | some organic material |                |
| 3.0                 |                      |           |               |                     | 10YR 4/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 3.5                 |                      |           |               |                     | 10YR 4/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 4.0                 |                      |           |               |                     | 10YR 4/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 4.5                 |                      |           |               |                     | 10YR 5/4 clayey silty sand | sn   |             |                     |             |                       |                |
| 5.0                 |                      |           |               |                     | 10YR 7/3 clayey silty sand | sn   |             |                     |             |                       |                |
| 5.5                 |                      |           |               |                     | 10YR 7/3 clayey silty sand | sn   |             |                     |             |                       |                |
| 6.0                 |                      |           |               |                     | 10YR 7/3 clayey silty sand | sn   |             |                     |             |                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL154 DATE: 9/1  
 LOCATION ID: 0153 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Dip 5 test west side of road a 50'  
southern most hole in depression centered between depressions  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154DATE: 9/1/94LOCATION ID: 0254BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Dip 5 Area. Just west of road (15') in depression on south side

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): P. Kern

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            | organics            |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                     |                |
| 3.0                 | 1                    | 0001      | A             | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | Cement?             |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | San cementation     |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | "                   |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | "                   |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | "                   |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | "                   |                |
| 6.0                 | ✓                    |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | "                   |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
P. Kern 9/1/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/1  
 LOCATION ID: 0255 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DIP 5 TEST, WEST of Road ~ 20' near center of Depression  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 4/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | sn   |             |                     |              |                       |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                       |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                       |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                       |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/3 clayey silty sand | sn   |             |                     |              |                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
MM 9/1

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: ERTLD154 DATE: 9/1/94  
 LOCATION ID: 0256 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DIPS Area. Depression just west (15') from road.  
North side of depression  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 3.0                 |                      | 0001      | A             | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | Consolidation           |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | 4                       |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | 4                       |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | 4                       |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | 4                       |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | 4                       |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/3 | SC   |             |                     |            | 4                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKM 9/1/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/1  
 LOCATION ID: 0257 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Dip 5 test. First depression east of Road  
Southern End  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 1/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 9/1  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: 1KRTLD154 DATE: 9/1/94  
 LOCATION ID: 0258 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DIP S AREA. Depression just east of road (10')  
On north side of depression  
 COMMENTS: 0001 1/5 Sample of layer with metallic residues  
0002 is sample below metallic residues  
 FIELD REPRESENTATIVE(S): plum

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS            | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|------------------------------------|----------------|
| 0.5                 |                      |           |               | 60                  | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 2.5                 | ↑                    | 0001      | A             | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              | metallic residues                  |                |
| 3.0                 | ↓                    | 0002      | A             | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              | metallic residues (less than abv.) |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              | metallic residues gone             |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |              |                                    |                |

## • SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTCD 154DATE: 9/1LOCATION ID: 0959BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Dip 5, East of Road & 20 East of Trench closest to Road

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 6/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTCD154 DATE: 9/1/94  
 LOCATION ID: 0260 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DIP 5 Area. Flat area east of road. East of  
nearest depression to road. Approx 75' east of road.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PEM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 3.2                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/4 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand 5YR 8/1        | SM   |             |                     |            |                         |                |
| 4.2                 |                      |           |               | 100                 | Silty Sand 5YR 8/1        | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand 5YR 8/1        | SM   |             |                     |            |                         |                |
| 5.2                 |                      |           |               | 100                 | Silty Sand 5YR 8/1        | SM   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 5YR 8/1        | SM   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 5YR 8/1        | SM   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL D 154 DATE: 9/1  
 LOCATION ID: 0261 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: R  
 LOCATION DESCRIPTION: DEP 5, EAST of Road 2 100' east 2<sup>nd</sup>  
Depression. Southern end.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 10 YR 8/3 Clayey Silty Sand  | SN   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 10 YR 8/3 Clayey Silty Sand  | SN   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 10 YR 8/3 Clayey Silty Sand  | SN   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 10 YR 8/3 Clayey Silty Sand  | SN   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Johnson 9/1  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SOIL BORING LOG**

SITE ID: KRTCD154 DATE: 9/1/94

LOCATION ID: 0262 BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: DIP 5 Area. 2nd depression from road. Approx  
100' from road. North side of depression

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): PKM

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | Wood fragments          |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | Wood fragments          |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | small amount            |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | of metallic particles   |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | rock frags.             |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | concrete/debris         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | "                       |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | "                       |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | concrete/debris         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | "                       |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |              | "                       |                |

**SAMPLE METHODS**

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

**CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

PKM 9/1/94  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 15' DATE: 9/1  
 LOCATION ID: 263 BORE HOLE DEPTH (FT): 60  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Dip 5, East of Road, 2 centered between 2<sup>nd</sup> + 3<sup>rd</sup> depressions  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 10YR 5/8 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 5/8 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | sn   |             |                     |              |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MLK 9/1  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: LRTLD154DATE: 9/1/94LOCATION ID: 0264BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 7COMMENTS: DIPS Area. Far eastern depression North side of depression ~ 200' from roadFIELD REPRESENTATIVE(S): PKU

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 5/4$ | SC   |             |                     |              |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 5/4$ | SC   |             |                     |              | wood                    |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 5/4$ | SC   |             |                     |              |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 5/4$ | SC   |             |                     |              |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 5/4$ | SC   |             |                     |              |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 5/4$ | SC   |             |                     |              |                         |                |
| 3.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand $5YR 7/3$ | SC   |             |                     |              | Cement                  |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 7/3$ | SC   |             |                     |              | Cement                  |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 7/3$ | SC   |             |                     |              | "                       |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 7/3$ | SC   |             |                     |              | "                       |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 7/3$ | SC   |             |                     |              | "                       |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand $5YR 7/2$ | SC   |             |                     |              | "                       |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRT2D 154 DATE: 9/1/94  
 LOCATION ID: 0264 0265 BORE HOLE DEPTH (FT): 4  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DIP 5, EAST of Road, 3rd depression  
Southern End.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PCM, JJ

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | Clayey Silty Sand, 5YR 5/4 |      |             |                     |             | Some Rock               |                |
| 1.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | fragments               |                |
| 1.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | "                       |                |
| 2.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | "                       |                |
| 2.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | Very Slight             |                |
| 4.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | cementation             |                |
| 4.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | Rock                    |                |
| 5.5                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             | fragment                |                |
| 6.0                 |                      |           |               |                     | 5YR 5/4 Clayey Silty Sand  |      |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PCM, JJ 9/1/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 1541 DATE: 9/2  
 LOCATION ID: 0267 0266 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Generator Site, 2 10' east of loop road.  
Re Sample Plan  
 COMMENTS: Re - Sample  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 6/4 Clayey Silty Sand | SA   |             |                     |             | Constant                |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SA   |             |                     |             |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

9/2  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: LRTLD 154 DATE: 9/2/94  
 LOCATION ID: 0267 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Generator Site. Between large concrete blocks  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Picory

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| .5                  |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 5/6 | SC   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Frank Miller 9/2/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETLD154 DATE: 9/2/94  
 LOCATION ID: 0268 BORE HOLE DEPTH (FT): 5.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Generator Site on high area. Farthest from steel retaining wall.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 5                   |                      |           |               | 100                 | Clayey Silty Sand SYR S/4   | SC   |             |                     |             | Rock abundant        |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/4   | SC   |             |                     |             |                      |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/4   | SC   |             |                     |             |                      |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/4   | SC   |             |                     |             |                      |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Sand (medium) SYR S/4 | SM   |             |                     |             |                      |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand SYR S/4          | SM   |             |                     |             |                      |                |
| 3.5                 |                      |           |               |                     | Hit obstruction at 3.5'     |      |             |                     |             |                      |                |
|                     |                      |           |               |                     | none over, re-auger         |      |             |                     |             |                      |                |
|                     |                      |           |               |                     | obstruction at 3.5'         |      |             |                     |             |                      |                |
|                     |                      |           |               |                     | Sample from 2-3.5'          |      |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKM 9/2/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KPTCD 154 DATE: 9/2/94  
 LOCATION ID: 0269 BORE HOLE DEPTH (FT): 5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Generator Site Next to steel retaining wall.  
On north side of wall.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): P. Min

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| .5                  |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/4 | SC   |             |                     |            |                         |                |
|                     |                      |           |               |                     | Obstruction at 5'         |      |             |                     |            |                         |                |
|                     |                      |           |               |                     | Stop & Sample             |      |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 15<sup>21</sup> DATE: 9/2  
 LOCATION ID: 0270 BORE HOLE DEPTH (FT): 3.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Generator Site, near South end of metal wall.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                      |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SN   |             |                     |             |                      |                |
|                     |                      |           |               |                     | Hit OBSTRUCTION              |      |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MLK 9/2  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLID 154 DATE: 8/30  
 LOCATION ID: 0271 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: North East Corner of Fuselage  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 4/6 clayey silty sand | SM   |             |                     |             | slightly<br>moist<br>↓  |                |
| 1.0                 |                      |           |               |                     | 7.5YR 4/6 clayey silty sand | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 4/6 clayey silty sand | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 4/6 clayey silty sand | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 8/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 8/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 8/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 8/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 8/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 8/4 clayey silty sand | SM   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Johnson 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94  
 LOCATION ID: 0272 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Firelase site. On south end of Firelase.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |             | Some rock debris        |                |
| 1.0                 |                      |           |               | 100                 | clayey silty Sand 54R 5/6 | SC   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |             |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |             |                         |                |
| 2.5                 |                      | 0201      | A             | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |             |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |             |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4 | SM   |             |                     |             | Some cementation        |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4 | SM   |             |                     |             | Some cementation        |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4 | SM   |             |                     |             | Some cementation        |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4 | SM   |             |                     |             | Cementation             |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4 | SM   |             |                     |             | Cementation             |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 6/4 | SM   |             |                     |             | Cementation             |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
PKM 8/30/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/30LOCATION ID: 0273 BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 2 100' north of fuselage. south eastern hole.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 8/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |

•• SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
MMK 8/30/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTCD154 DATE: 8/30/94  
 LOCATION ID: 0274 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Approx 100' north of fuselage. For <sup>West</sup> ~~Adm~~ sample  
location of the 3 in the debris area  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PICM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey silty sand S YR 5/6 | SC   |             |                     |            |                         |                |
| 1.2                 |                      |           |               | 100                 | clayey silty sand S YR 5/6 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand S YR 5/6 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand S YR 5/6 | SC   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | clayey silty sand S YR 5/6 | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand S YR 5/6 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand S YR 6/4 | SC   |             |                     |            | Same concentration      |                |
| 4.0                 |                      |           |               | 100                 | silty sand S YR 6/4        | SM   |             |                     |            | "                       |                |
| 4.5                 |                      |           |               | 100                 | silty sand S YR 6/4        | SM   |             |                     |            | "                       |                |
| 5.0                 |                      |           |               | 100                 | silty sand S YR 6/4        | SM   |             |                     |            | concentration           |                |
| 5.5                 |                      |           |               | 100                 | silty sand S YR 6/4        | SM   |             |                     |            | concentration           |                |
| 6.0                 |                      |           |               | 100                 | silty sand S YR 6/4        | SM   |             |                     |            | concentration           |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30  
 LOCATION ID: 0275 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 2100' North of fuselge, Northern most in group  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 4/6 Clayey Silty sand | SN   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 4/6 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 4/6 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 4/6 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 4/6 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 4/6 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 4/6 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 8/4 Silty Sand        | SN   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 8/4 Silty Sand        | SN   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 8/4 Silty Sand        | SN   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 8/4 Silty Sand        | SN   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM ✓ 8/30/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/24/94  
 LOCATION ID: 0276 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: ART test area. Test bed pad NE easternmost pad.  
Next to mound  
 COMMENTS: Sample interval 2.5-6.0' Sample Time 0915  
 FIELD REPRESENTATIVE(S): PM Dalebrook

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD * | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                                   | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|-----------------|---------------------|----------------------------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |                 | 100                 | Medium Sand SYR 5/4 Some Debris                          | SP   |             |                     |            | 90% Sand 10% Sil        |                |
| 1.0                 |                      |           |                 | 100                 | Medium Sand SYR 5/4                                      | SP   |             |                     |            | 80% Sand 20% Sil        |                |
| 1.5                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 4/4                         | SM   |             |                     |            | 70% Sand 30% Sil        |                |
| 2.0                 |                      |           |                 | 100                 | Clayey Sand <sup>FG</sup> SYR 4/4                        | SC   |             |                     |            | 70/10/20                |                |
| 2.5                 |                      |           |                 | 100                 | Silty Clayey Sand <sup>FG</sup> SYR 4/4                  | SM   |             |                     |            | 70/20/10                |                |
| 3.0                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 4/4 Possible caliche chunks | SM   |             |                     |            | 70/70                   |                |
| 3.5                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 6/4                         | SM   |             |                     |            | 60/40                   |                |
| 4.0                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 6/4                         | SM   |             |                     |            | 60/40                   |                |
| 4.5                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 6/4                         | SM   |             |                     |            | 60/40                   |                |
| 5.0                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 6/4 Some cementation        | SM   |             |                     |            | 60/40                   |                |
| 5.5                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 6/4 "                       | SM   |             |                     |            | 60/40                   |                |
| 6.0                 |                      |           |                 | 100                 | Silty Sand <sup>FG</sup> SYR 6/4 "                       | SM   |             |                     |            | 60/40                   |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Rek. Miller 8/24/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/24/94LOCATION ID: 0277BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: ART TEST Area test Bed PAD, SE most  
Pad from center of craterCOMMENTS: Sample time 0915FIELD REPRESENTATIVE(S): Jeff Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION        | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 0-6"                |                      |           |               | 100                 | Light Brownish Sand, 6/2 10YR | SM   |             |                     |              |                       |                |
| 6"-1.5'             |                      |           |               | 100                 | gray                          | SM   |             |                     |              |                       |                |
| 1.5'-2.5'           |                      |           |               | 100                 | Dark Yellowish Brown 10YR 4/4 | SM   |             |                     |              |                       |                |
| 2.5'-3.0'           |                      |           | Transition    | 100                 | Brown silty sand 7.5YR 5/4    | SM   |             |                     |              |                       |                |
| 3.0'-3.5'           |                      | 0001      | A             | 110                 | Very fine sand of silt        | SM   |             |                     |              |                       |                |
| 3.5'-4.0'           |                      |           |               | 100                 | "                             |      |             |                     |              |                       |                |
| 4.0'-4.5'           |                      |           |               | 100                 | "                             |      |             |                     |              |                       |                |
| 4.5'-5.0'           |                      |           |               | 100                 | " w/some small gravel         |      |             |                     |              |                       |                |
| 5.0'-5.5'           |                      |           |               | 100                 | "                             |      |             |                     |              |                       |                |
| 5.5'-6.0'           |                      |           |               | 100                 | "                             |      |             |                     |              |                       |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
MM 8/84

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/24/94  
 LOCATION ID: 0278 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: PT  
 LOCATION DESCRIPTION: APT Test area. Pad furthest to the NW. Test west of 276  
 COMMENTS: Sample at 1145  
 FIELD REPRESENTATIVE(S): P Middlebrook

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                       | USES | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH / REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------------------------|------|-------------|---------------------|--------------|-----------------------|----------------|
| 1.0                 |                      |           |               | 100                 | Test debris (plaster), w/ medium sand        | SP   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | 2.5 YR 5/2 clayey sand 5 YR 4/4, some debris | SC   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | clayey silty sand 5 YR 4/4                   | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | clayey silty sand 5 YR 4/4                   | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 5 YR 4/4                          | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 6/2                        | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 6/2                        | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 4/2                        | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 6/2 w/ some                | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | lumps cement??                               | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 6/2                        | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 6/2                        | SM   |             |                     |              |                       |                |
|                     |                      |           |               | 100                 | silty sand 7.5 YR 4/2                        | SM   |             |                     |              |                       |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

P. L. Middlebrook 8/24/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL 154 DATE: 8/24/94  
 LOCATION ID: 0279 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: South West Pod  
 COMMENTS: Augered in center of Debris on Pod.  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                               | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0-0.5               |                      |           |               |                     | 7.5YR 6/4 light Brown fine Sand                      | SP   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 5/4 light Brown fine Sand                      | SP   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 4/4 Brown to Dark Brown<br>Sandy clay w/ sand. | CL   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 4/4 Brown to Dark Brown<br>Sandy clay          | CL   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 5/4 Brown sand w/ fines                        | SM   |             |                     |            |                         |                |
| 3.0                 |                      | 0001      | A             | 100                 | 10YR 5/6 Yellowish Brown sand/silt                   | SM   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 5/6 Yellowish Brown sand                        | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 5/6 Yellowish Brown sand                        | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 5YR 6/2 w/ coarse gravel<br>Pinkish white sand/silt  | ML   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 5YR 8/2 sandy soil                                   | ML   |             |                     |            |                         |                |
| 6.5                 |                      |           |               |                     | 5YR 8/2 silty sand                                   | ML   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 5YR 8/2 silty sand                                   | ML   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL D 1574 DATE: 8/24/94  
 LOCATION ID: 0280 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: 1  
 LOCATION DESCRIPTION: Debris pile 50' west of location 0278  
 COMMENTS: 1235 Start boring 1255 Sample  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION          | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Medium Sand 5 YR 5/4 w/Debris   | SP   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | Fine Sand 5 YR 5/4 w/Debris     | SP   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Fine Sand 5 YR 5/4 w/Debris     | SP   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand 2.5 YR 4/4           | SM   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Sand 2.5 YR 4/4           | SM   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 4/2           | SM   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand 7.5 YR 6/2           | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 6/2 w/ cement | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand 7.5 YR 6/2           | SM   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 6/2           | SM   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 7.5 YR 6/2           | SM   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 6/2           | SM   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PKM 8/24/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/14/94  
 LOCATION ID: 0281 BORE HOLE DEPTH (FT): 12  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Large dirt mound North of westernmost PAD  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Teff Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                                  | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 10 YR 5/6 Sand                                          | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 10 YR 5/6 Sand                                          | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/<br>white pieces of rust debris | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 3.0                 |                      | 0001      | A             | 100%                | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/2 Silty Sand w/whr deb                         | SM   |             |                     |              |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/24/94  
 LOCATION ID: 0282 BORE HOLE DEPTH (FT): 4  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 25' North of 0278 (Northwesternmost Pad)  
 COMMENTS: Sample at 1405' went into cemented layer at 2'. Bored to 4' in layer. Bored adjacent hole to 2' to collect sufficient sample.  
 FIELD REPRESENTATIVE(S): PEM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                        | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 1.5                 |                      | 0001      | A             | 100                 | Silty Sand <sup>f</sup> 54R 4/4               | SM   |             |                     |             |                      |                |
| 1.0                 |                      |           |               | 100                 | Silty Sand <sup>f</sup> 7.5 YR 5/6            | SM   |             |                     |             |                      |                |
| 1.5                 |                      |           |               | 100                 | Silty Sand <sup>f</sup> 7.5 YR 6/4 w/cement   | SM   |             |                     |             |                      |                |
| 2.0                 |                      |           |               | 100                 | Silty Sand <sup>f</sup> 54R 7/2 mostly cement | SM   |             |                     |             |                      |                |
| 2.5                 |                      |           |               | 100                 | Silty Sand <sup>f</sup> 54R 7/2 mostly cement | SM   |             |                     |             |                      |                |
| 3.0                 |                      |           |               | 100                 | Silt 54R 7/2 mostly cement                    | ML   |             |                     |             |                      |                |
| 3.5                 |                      |           |               | 100                 | Silt 54R 7/2 mostly cement                    | ML   |             |                     |             |                      |                |
| 4.0                 |                      |           |               | 100                 | Silt 54R 7/2 mostly cement                    | ML   |             |                     |             |                      |                |
| 4.5                 |                      |           |               |                     | Stopped, well into a cement layer             |      |             |                     |             |                      |                |
| 5.0                 |                      |           |               |                     | Collect sample from 0-2.0'                    |      |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PEM 8/24/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTUD 154 DATE: 8/24  
 LOCATION ID: 0283 BORE HOLE DEPTH (FT): 5.5'  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Small Dirt Mound North East of South east Pad.  
 COMMENTS: Hit obstruction at 5.5'  
 FIELD REPRESENTATIVE(S): Jeff Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION        | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand         | SM   |             |                     |            |                     |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand         | SM   |             |                     |            |                     |                |
| 1.5                 |                      |           |               |                     | 5 YR 3/4 Silty Sand           | SM   |             |                     |            |                     |                |
| 2.0                 |                      |           |               |                     | 5 YR 3/4 Silty Sand           | SM   |             |                     |            |                     |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty Sand         | SM   |             |                     |            |                     |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 Silty Sand OF Sand | ML   |             |                     |            |                     |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 6/4 UFSand             | ML   |             |                     |            |                     |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/4 Very Fine Sand     | ML   |             |                     |            |                     |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/4 Very Fine Sand     | ML   |             |                     |            |                     |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/2 Very Fine Sand     | ML   |             |                     |            |                     |                |
| 5.5                 |                      |           |               |                     | Hit obstruction not           |      |             |                     |            |                     |                |
| 6.0                 |                      |           |               |                     | Able to Auger deeper          |      |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Jeff Johnson 8/24  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KETLD 154 DATE: 8/25/94  
 LOCATION ID: 0244 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 15' North of SEasternmost Pad  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): P/KM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION                    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4                 | SC   |             |                     |            |                         |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4                 | SC   |             |                     |            |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4                 | SC   |             |                     |            |                         |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4                 | SC   |             |                     |            |                         |                |
| 2.5                 |                      | 0001      | A             | 100                 | Silty Sand SYR 4/4                        | SM   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand <del>7.5 YR 7/2</del> w/cement | SM   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Silty Sand 7.5 YR 7/2 w/cement            | SM   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 7/2 w/cement            | SM   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Silty Sand 7.5 YR 7/2 w/cement            | SM   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 7/2 w/cement            | SM   |             |                     |            |                         |                |
| 5.5                 |                      |           |               | 100                 | Silty Sand 7.5 YR 7/2                     | SM   |             |                     |            |                         |                |
| 6.0                 |                      |           |               | 100                 | Silty Sand 7.5 YR 7/2                     | SM   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

P/KM 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25  
 LOCATION ID: 0285 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: 33' EAST of North EAST corner of South East Pad.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SM   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SA   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/4 Silty sand  | SA   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 Silty sand  | SA   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 7/4 Silty sand  | ML   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 8/2 Silty sand  | ML   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 8/2 Silty sand  | ML   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 8/2 Silty sand  | ML   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 8/2 Silty sand  | ML   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 8/2 Silty sand  | ML   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MMJ 8/25/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94  
 LOCATION ID: 0286 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: H. Pi Test Bed A. Easternmost crater. In center of crater. On west side of crater.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 5                   |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 1.2                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 2.5                 |                      | 000A      | A             | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | clayey silty sand 5YR 4/4 | SC   |             |                     |            |                     |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL 154 DATE: 8/31  
 LOCATION ID: 0287 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: R  
 LOCATION DESCRIPTION: North East Corner of Eastern most  
Crater in Hi Fi test Bed  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5YR 4/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.5YR 4/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.5YR 4/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.5YR 4/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 7.5YR 6/4 Clayey Silty Sand | SN   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31  
 LOCATION ID: 0288 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Southwest Lip of Eastern most Crater -  
Hi Fi Test Bed  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SM   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Johnson 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

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## SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31/94  
 LOCATION ID: 0289 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: H. F. Test Bed A. Center Crater on east side of crater rim  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| .5                  |                      |           |               | 100                 | Clayey Silty Sand 5YR 4/4 | SC   |             |                     |             |                      |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 4/4 | SC   |             |                     |             |                      |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 4/4 | SC   |             |                     |             |                      |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 4/4 | SC   |             |                     |             |                      |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             | Cement               |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             | Cement               |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             | Cement               |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             | Cement               |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             | Cement               |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             |                      |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             |                      |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 6/3 | SC   |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31  
 LOCATION ID: 0290 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 3 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Western Edge of Center Crane -  
Hi-Fi-105 Bed.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 7/3 Clayey Silty Sand | SA   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94  
 LOCATION ID: 0291 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Hi Fi Test Bed A. Center Center. On South Side of crater rim  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Jim

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION | USCS    | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------|---------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey silty sand      | SYR 4/4 | SC          |                     |            |                     |                |
| 1.2                 |                      |           |               | 100                 | clayey silty sand      | SYR 4/4 | SC          |                     |            | wood, rock debris   |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand      | SYR 4/4 | SC          |                     |            | rocks               |                |
| 2.2                 |                      |           |               | 100                 | clayey silty sand      | SYR 4/4 | SC          |                     |            | rocks               |                |
| 2.5                 |                      | 0401      | A             | 100                 | clayey silty sand      | SYR 4/4 | SC          |                     |            | rocks, cementation  |                |
| 3.0                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/7 | SC          |                     |            | some cementation    |                |
| 3.5                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/3 | SC          |                     |            | some cementation    |                |
| 4.0                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/3 | SC          |                     |            | some cement         |                |
| 4.5                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/3 | SC          |                     |            | "                   |                |
| 5.0                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/3 | SC          |                     |            | "                   |                |
| 5.5                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/7 | SC          |                     |            | "                   |                |
| 6.0                 |                      |           |               | 100                 | clayey silty sand      | SYR 6/3 | SC          |                     |            | "                   |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

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## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31  
 LOCATION ID: 0292 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: western edge of western most crater  
Witi near Bar  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 5/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 5/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 6/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 6/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 7/4 clayey silty sand | sn   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94  
 LOCATION ID: 0293 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Hi Fi Test Bed A - Furthest west crater.  
On East rim of crater.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): JKR

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| .5                  |                      |           |               | 100                 | Clayey Silty Sand 5 YR 4/4 | SC   |             |                     |              | Cement debris           |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 4/4 | SC   |             |                     |              | Cement debris           |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 4/4 | SC   |             |                     |              | Cement debris           |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 4/4 | SC   |             |                     |              | Cement debris           |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              | Rock debris             |                |
| 3.0                 |                      | 0001      | A             | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              | Rock debris             |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              | Rock debris             |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              | Rock                    |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              |                         |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5 YR 6/3 | SC   |             |                     |              |                         |                |

• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)  
JKR 8/31/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLDP154DATE: 8/31LOCATION ID: 0294BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: 1LOCATION DESCRIPTION: northern edge of western mass crater  
iti Fi rest BedCOMMENTS: \$FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION     | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 10YR 5/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 10YR 7/4 Clayey Silty Sand | SM   |             |                     |             |                         |                |

•• **SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• **CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/31/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KCTL034 DATE: 8/31/94  
 LOCATION ID: 0295 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Crater/Debris Pile north of westernmost test bed.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4 | SC   |             |                     |             |                         |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4 | SC   |             |                     |             |                         |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4 | SC   |             |                     |             | Rock Debris             |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 4/4 | SC   |             |                     |             | Rock Debris             |                |
| 2.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand SYR 4/4 | SC   |             |                     |             | cementation             |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | cementation             |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | cementation             |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | "                       |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | "                       |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | "                       |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | "                       |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR 6/3 | SC   |             |                     |             | "                       |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL 154DATE: 9/2LOCATION ID: 0296BORE HOLE DEPTH (FT): 5.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: DCT - HEST, near 1st small dirt Pile west of Road.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.57R 3/4 Silty Sand        | SC   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.57R 5/4 Silty Sand        | SC   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.57R 7/4 Silty Sand        | SC   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.57R 4/4 Silty Sand        | SC   |             |                     |              |                         |                |
| 2.5                 |                      |           | A             |                     | 7.57R 4/4 Silty Sand        | SC   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.57R 4/4 Silty Sand        | SC   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.57R 6/4 Clayey Silty Sand | SC   |             |                     |              |                         |                |
|                     |                      |           |               |                     | OBSTRUCTION                 |      |             |                     |              |                         |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 9/2  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/2/94  
 LOCATION ID: 0297 BORE HOLE DEPTH (FT): 3.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DCT Hest. Approx 200' west of road. Next to dirt mound.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Penn.

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS   | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-----------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |            | abundant reds         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |            |                       |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |            |                       |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |            |                       |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 54R 5/6 | SC   |             |                     |            |                       |                |
| 3.0                 |                      |           |               | 100                 | Silty Sand 54R 7/8        | SM   |             |                     |            | Cement<br>Rock debris |                |
| 3.5                 |                      |           |               |                     | Obstruction at 3.5'       |      |             |                     |            |                       |                |
|                     |                      |           |               |                     | Re-augered hole. Hit      |      |             |                     |            |                       |                |
|                     |                      |           |               |                     | obstruction again         |      |             |                     |            |                       |                |
|                     |                      |           |               |                     | Sample from 2-3.5'        |      |             |                     |            |                       |                |

•• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRT-D154 DATE: 9/2  
 LOCATION ID: 0298 BORE HOLE DEPTH (FT): 3.5  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DCT HST, South West of 2nd dirr pile  
from Road. South South east of Decoy Bunker  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.54R 5/6 Clayey Silty sand | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.54R 5/6 Clayey Silty sand | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 7.54R 5/6 Clayey Silty sand | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 7.54R 5/6 Clayey Silty sand | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.54R 5/6 Clayey Silty sand | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.54R 5/6 Clayey Silty sand | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.54R 7/4 Clayey Silty sand | SM   |             |                     |             |                         |                |
|                     |                      |           |               |                     | Obstruction                 |      |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL D 154 DATE: 9/2  
 LOCATION ID: 0299 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DCT Host, continued south west of  
2nd Pier Mount. south of Decon Bunker  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 7/3 Clayey Silty Sand | SH   |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: LRCD154 DATE: 9/2/94  
 LOCATION ID: 0300 BORE HOLE DEPTH (FT): 3  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: DCT test. Far west sample in open area.  
Probably 700' from fence line 100' south of large dirt pile  
 COMMENTS: See below  
 FIELD REPRESENTATIVE(S): J Kim

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION              | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-------------------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4           | SC   |             |                     |            |                         |                |
| 1.0                 |                      |           |               | 100                 | clayey silty sand S4R 5/4           | SC   |             |                     |            | Rock abundant           |                |
| 1.5                 |                      |           |               | 100                 | clayey silty sand S4R 5/4           | SC   |             |                     |            | "                       |                |
| 2.0                 |                      | 0301      | A             | 100                 | silty sand S4R 7/3                  | SM   |             |                     |            | Cementite               |                |
| 2.5                 |                      |           |               | 100                 | silty sand S4R 7/3                  | SM   |             |                     |            | "                       |                |
| 3.0                 |                      |           |               | 100                 | silty sand S4R 7/3                  | SM   |             |                     |            | "                       |                |
|                     |                      |           |               |                     | Hit obstruction in<br>3 holes at 3' |      |             |                     |            |                         |                |
|                     |                      |           |               |                     | Stop & Sample                       |      |             |                     |            |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

P. K. Miller 9/2/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/29  
 LOCATION ID: 0301 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Southern end of large Crater, South east of geophysics Area 3  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/8 Silty Sand        | SN   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 5/8 clayey Silty Sand | SA   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 5 YR 8/2 clayey Silty Sand   | SA   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 5 YR 8/2 clayey Silty Sand   | SA   |             |                     |              |                         |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/27/94  
 LOCATION ID: 0302 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Large Crater approx 100' SW of Area 3. In crater  
on northeast side approx 50' north of road.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             |                         |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Some rock debris        |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Some cement             |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Cement/Rock debris      |                |
| 2.5                 |                      | 0301      | A             | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Cement                  |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Cement                  |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Cement                  |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Cement                  |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             | Cement                  |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             |                         |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             |                         |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand SYR S/b | SC   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Paul V. Miller 8/29/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/29  
 LOCATION ID: 0303 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Approx 75' south of Road, 2100' East end of large pipe. North tip of crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 5.5                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |
| 6.0                 |                      |           |               |                     | 7.5 YR 5/6 Clayey Silty Sand | SM   |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

MM 8/29/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SOIL BORING LOG**

SITE ID: KRTL0154 DATE: 8/29/94  
 LOCATION ID: 0304 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Approx 150' South of 0301 0302. In Crater approx  
75' South of road. South edge of crater.  
 COMMENTS: That goes along south edge of Area 3.  
 FIELD REPRESENTATIVE(S): PKM

**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|---------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            | Organics            |                |
| 1.2                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            | Organics            |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 4.2                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand S4R S/L | SC   |             |                     |            |                     |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Frank Mire 8/29/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: CRFLD 154 DATE: 8/29  
 LOCATION ID: 0305 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: North North West USGS Well 1001, near east of fuselage, south of large pipe. Inside southern lip of crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): \_\_\_\_\_

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 7.5 YR 5/4 Clayey Silty Sand | SL   |             |                     |              | Some organics           |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 5/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 7.5 YR 6/6 Clayey Silty Sand | SM   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 5 YR 8/2 Clayey Silty Sand   | SM   |             |                     |              | Some                    |                |
| 6.0                 |                      |           |               |                     | 5 YR 8/8 Clayey Silty Sand   | SM   |             |                     |              | Concentration           |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

8/29/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154DATE: 8/29/94 <sup>PKM</sup>LOCATION ID: 0306BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: SSTM Add On North side of Crater approx  
200' Northwest of Well 1001 South of Road to Area 3 ~ 100'

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): PKM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|------------|-------------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            | Some Organics           |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            | Some Organics           |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            | Organics, Cement        |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            | Cement                  |                |
| 2.5                 |                      | 0001      | A             | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            |                         |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |            | Rock debris             |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/2 | SC   |             |                     |            | Cement??                |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/2 | SC   |             |                     |            | Cement present          |                |

• SAMPLE METHODS  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

• CONSTRUCTION METHODS  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTLD154DATE: 8/29LOCATION ID: 0307BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: North of us6 well 1001, on east side of crater inside lip.

COMMENTS: \_\_\_\_\_

FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION       | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|------------------------------|------|-------------|---------------------|-------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 2.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 1.0                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 1.5                 |                      |           |               |                     | 2.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 2.0                 |                      |           |               |                     | 2.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 2.5                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 3.0                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 3.5                 |                      |           |               |                     | 7.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 4.0                 |                      |           |               |                     | 2.5 YR 6/4 clayey silty sand | SM   |             |                     |             |                         |                |
| 4.5                 |                      |           |               |                     | 5 YR 8/2 clayey silty sand   | SM   |             |                     |             |                         |                |
| 5.0                 |                      |           |               |                     | 5 YR 8/2 clayey silty sand   | SM   |             |                     |             |                         |                |
| 5.5                 |                      |           |               |                     | 5 YR 8/2 clayey silty sand   | SM   |             |                     |             |                         |                |
| 6.0                 |                      |           |               |                     | 5 YR 8/2 clayey silty sand   | SM   |             |                     |             |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

MM 8/29/94  
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/29/94  
 LOCATION ID: 0308 BORE HOLE DEPTH (FT): 6  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: SSTM Add On. Approx 150' due north of well 1001  
75' east of 0305, 0306. On west rim of crater  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PLM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 5                   |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              | Same cement             |                |
| 10                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 15                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 20                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 25                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 30                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 35                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 40                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 45                  |                      |           |               | 100                 | clayey silty sand SYR 5/6 | SC   |             |                     |              |                         |                |
| 50                  |                      |           |               | 100                 | clayey silty sand SYR 7/2 | SC   |             |                     |              | Same cementation        |                |
| 55                  |                      |           |               | 100                 | clayey silty sand SYR 7/2 | SC   |             |                     |              | Same cementation        |                |
| 60                  |                      |           |               | 100                 | clayey silty sand SYR 7/2 | SC   |             |                     |              |                         |                |

## •• SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## • CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

PLM 8/29/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

C-146

## SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/29  
 LOCATION ID: 0309 BORE HOLE DEPTH (FT): 6.0  
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: North North East of USGS well 1001. Eastern  
most crater. Inside SW lip of crater  
 COMMENTS: SSM ADD-ON  
 FIELD REPRESENTATIVE(S): Johnson

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|--------------|-------------------------|----------------|
| 0.5                 |                      |           |               | 100%                | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 1.0                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 1.5                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 2.0                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 2.5                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 3.0                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 3.5                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 4.0                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 4.5                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 5.0                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 5.5                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |
| 6.0                 |                      |           |               |                     | 5YR 5/4 Silty Clayey Sand | SN   |             |                     |              |                         |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

Johnson 8/29/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

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## SOIL BORING LOG

SITE ID: KRTL0154DATE: 8/29/94LOCATION ID: 0310BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 7COMMENTS: SSTM Add on. Approx 150' NE of well 1001. Approx 75' east of 0307+0308 North rim of crater, just inside.FIELD REPRESENTATIVE(S): Plan

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION    | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/ 6 IN | WATER DEPTH/ REMARKS | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|---------------------------|------|-------------|---------------------|-------------|----------------------|----------------|
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             | Same cement          |                |
| 1.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 1.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 2.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 2.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 3.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 3.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 4.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             |                      |                |
| 4.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 5/6 | SC   |             |                     |             | Some cementation     |                |
| 5.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/2 | SC   |             |                     |             | Cementation          |                |
| 5.5                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/2 | SC   |             |                     |             | Cementation          |                |
| 6.0                 |                      |           |               | 100                 | Clayey Silty Sand 5YR 7/2 | SC   |             |                     |             |                      |                |

## \*\* SAMPLE METHODS

A - AUGER CUTTINGS  
D - DRIVE TUBE  
S - SHELBY TUBE  
H - HAND SCOOP  
O - OTHER

## \* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
A - AUGERED OR BORED  
C - CABLE TOOL  
D - DUG  
J - JETTED

P - AIR PERCUSSION  
T - TRENCHING  
B - BOREHOLE  
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE) Plan 8/29/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: ARTLD154 DATE: 10/12/94  
 LOCATION ID: 0311 BORE HOLE DEPTH (FT): 2.0  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Background location 1/2 mile west of mile marker 6  
along fence road. On southern border of ranch. Approx 1 mile <sup>west</sup> from main testing area  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): Pkm, JJ, RM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS / 6 IN | WATER DEPTH/<br>REMARKS                   | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|--------------|-------------------------------------------|----------------|
| 0.5                 |                      |           |               |                     | Clayey, silty, sand 54R-6/4 | sm   |             |                     |              |                                           |                |
| 1.0                 |                      |           |               |                     | Clayey, silty, sand 54R 6/4 | sm   |             |                     |              | Some cemented pebbles                     |                |
| 1.5                 |                      | 0001      | A             | 100%                | Clayey, silty, sand 54R 6/4 |      |             |                     |              | Cemented pebbles                          |                |
| 2.0                 |                      |           |               |                     | Silty sand, 54R 7/3         | sm   |             |                     |              | Carbonate cement                          |                |
|                     |                      |           |               |                     |                             |      |             |                     |              | Made 2 boreholes to collect enough sample |                |

## SAMPLE METHODS

A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

## CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED

P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

## SOIL BORING LOG

SITE ID: KRTL0154 DATE: 10/12/94  
 LOCATION ID: 0312 BORE HOLE DEPTH (FT): 3.5  
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A  
 LOCATION DESCRIPTION: Background location. ~1/4 mile west of Monitor  
Well 1004, 90' south of cattle trail.  
 COMMENTS: \_\_\_\_\_  
 FIELD REPRESENTATIVE(S): PKM, TJ, RM

## LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

| DEPTH INTERVAL (FT) | SAMPLE INTERVAL (FT) | SAMPLE ID | SAMPLE METHOD | SAMPLE RECOVERY (%) | LITHOLOGIC DESCRIPTION      | USCS | GRAPHIC LOG | CONSTRUCT WELL DATA | BLOWS/8 IN | WATER DEPTH/<br>REMARKS             | ELEVATION (FT) |
|---------------------|----------------------|-----------|---------------|---------------------|-----------------------------|------|-------------|---------------------|------------|-------------------------------------|----------------|
| 0.5                 |                      |           |               |                     | Clayey, silty, sand 54R 6/4 | sm   |             |                     |            |                                     |                |
| 1.0                 |                      |           |               |                     | Clayey, silty, sand 54R 6/4 | sm   |             |                     |            | Small carbonate<br>cemented pebbles |                |
| 1.5-2.0             |                      |           |               |                     | Clayey, silty, sand 54R 6/4 | sm   |             |                     |            | "                                   |                |
| 2.0-2.5             |                      | 0001      | A             | 100%                | Clayey, silty, sand 54R 6/4 | sm   |             |                     |            | "                                   |                |
| 2.5-3.0             |                      |           |               |                     | Silty sand 54R 7/3          | sm   |             |                     |            | Carbonate cement                    |                |
| 3.0-3.5             |                      |           |               |                     | Silty sand 54R 7/3          | sm   |             |                     |            | Carbonate cement                    |                |

**SAMPLE METHODS**  
 A - AUGER CUTTINGS  
 D - DRIVE TUBE  
 S - SHELBY TUBE  
 H - HAND SCOOP  
 O - OTHER

**CONSTRUCTION METHODS**  
 R - ROTARY (STATE ROTARY METHOD)  
 A - AUGERED OR BORED  
 C - CABLE TOOL  
 D - DUG  
 J - JETTED  
 P - AIR PERCUSSION  
 T - TRENCHING  
 B - BOREHOLE  
 O - OTHER

[Signature] 10/12/94  
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

**SURFACE WATER SAMPLING FIELD FORM**SITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0166 SAMPLING PERIOD:SAMPLE ID: 1001 START: 1030SAMPLING METHOD\*: G COMPLETE: 1030LOCATION DESCRIPTION: Equipment Blank - From bucket of backhoe.COMMENTS: ASTM Type II water poured into backhoe bucket, then collected in bottlesFIELD REPRESENTATIVE(S): Pkm, JJ**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. \_\_\_\_\_

SPECIFIC CONDUCTANCE Ec  $\mu$  mhos/cm \_\_\_\_\_REDOX POTENTIAL Eh mvolts 2/4 \_\_\_\_\_

TEMPERATURE T °C \_\_\_\_\_

ALKALINITY (CaCO<sub>3</sub>) ALK mg/l \_\_\_\_\_

DISSOLVED OXYGEN DO mg/l \_\_\_\_\_

**\* SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

P. K. Min 9/7/94

FORM COMPLETED BY (SIGNATURE/DATE) TECHNICAL REVIEWER (SIGNATURE/DATE)

**SURFACE WATER SAMPLING FIELD FORM**SITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0246 SAMPLING PERIOD:SAMPLE ID: 1001 START: 1030SAMPLING METHOD\*: G COMPLETE: 1030LOCATION DESCRIPTION: Equipment blank - Hand Auger BitCOMMENTS: ASTM Type II Water poured through bit and collected in bottlesFIELD REPRESENTATIVE(S): Pkm, JJ**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. \_\_\_\_\_

SPECIFIC CONDUCTANCE Ec  $\mu$  mhos/cm \_\_\_\_\_

REDOX POTENTIAL Eh mvolts \_\_\_\_\_

TEMPERATURE T °C \_\_\_\_\_

ALKALINITY (CaCO<sub>3</sub>) ALK mg/l \_\_\_\_\_

DISSOLVED OXYGEN DO mg/l \_\_\_\_\_

**\* SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

P. K. Miller 9/7/94  
FORM COMPLETED BY (SIGNATURE/DATE)\_\_\_\_\_  
TECHNICAL REVIEWER (SIGNATURE/DATE)

**SURFACE WATER SAMPLING FIELD FORM**SITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0246 SAMPLING PERIOD:SAMPLE ID: 2001 START: 1030SAMPLING METHOD\*: G COMPLETE: 1030LOCATION DESCRIPTION: Ambient BlankCOMMENTS: ASTM Type II Water poured into bottles at location.FIELD REPRESENTATIVE(S): PKM, JT**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. \_\_\_\_\_

SPECIFIC CONDUCTANCE Ec  $\mu$ mhos/cm \_\_\_\_\_

REDOX POTENTIAL Eh mvolts \_\_\_\_\_

TEMPERATURE T °C \_\_\_\_\_

ALKALINITY (CaCO<sub>3</sub>) ALK mg/l \_\_\_\_\_

DISSOLVED OXYGEN DO mg/l \_\_\_\_\_

**• SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/7/94  
FORM COMPLETED BY (SIGNATURE/DATE)\_\_\_\_\_  
TECHNICAL REVIEWER (SIGNATURE/DATE)

**SURFACE WATER SAMPLING FIELD FORM**SITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0247 SAMPLING PERIOD: \_\_\_\_\_SAMPLE ID: 1001 START: 1030SAMPLING METHOD\*: G COMPLETE: 1030LOCATION DESCRIPTION: Equipment Blank - Sampling ScoopCOMMENTS: ASTM Type II water poured into scoop and  
then into bottlesFIELD REPRESENTATIVE(S): PKM, JJ**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. \_\_\_\_\_

SPECIFIC CONDUCTANCE Ec  $\mu$  mhos/cm \_\_\_\_\_

REDOX POTENTIAL Eh mvolts \_\_\_\_\_

TEMPERATURE T °C \_\_\_\_\_

ALKALINITY (CaCO<sub>3</sub>) ALK mg/l \_\_\_\_\_

DISSOLVED OXYGEN DO mg/l \_\_\_\_\_

**• SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/7/94  
FORM COMPLETED BY (SIGNATURE/DATE)\_\_\_\_\_  
TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORMSITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0248 SAMPLING PERIOD:SAMPLE ID: 1001 START: 1030SAMPLING METHOD\*: G- COMPLETE: 1030LOCATION DESCRIPTION: Equipment Blank - Sampling BowlCOMMENTS: ASTM Type II water poured into bowl, and then into bottlesFIELD REPRESENTATIVE(S): PKM, JT

## PARAMETER MEASUREMENTS:

POTENTIAL OF pH S.U. \_\_\_\_\_

HYDROGEN

SPECIFIC Ec  $\mu$  mhos/cm \_\_\_\_\_

CONDUCTANCE

REDOX POTENTIAL Eh mvolts \_\_\_\_\_

TEMPERATURE T  $^{\circ}$ C 20/1ALKALINITY (CaCO<sub>3</sub>) ALK mg/l \_\_\_\_\_

DISSOLVED OXYGEN DO mg/l \_\_\_\_\_

## \* SAMPLING METHODS:

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/7/94  
FORM COMPLETED BY (SIGNATURE/DATE)\_\_\_\_\_  
TECHNICAL REVIEWER (SIGNATURE/DATE)

# SURFACE WATER SAMPLING FIELD FORM

SITE ID: KRTLD154 DATE: 9/17/94

LOCATION ID: 0314 SAMPLING PERIOD:

SAMPLE ID: 0001 START: 0920

SAMPLING METHOD\*: PP COMPLETE: 0935

LOCATION DESCRIPTION: Dirt Road to McCormick Ranch. Right side of road. Approx 3/4 mile southwest of turn from paved road.

COMMENTS: Filters used only for metals. Water had too much sediment, and clogged the filters very quickly.

FIELD REPRESENTATIVE(S): PKM, JT

## PARAMETER MEASUREMENTS:

POTENTIAL OF HYDROGEN pH S.U. 9.36 / 18.5°C

SPECIFIC CONDUCTANCE Ec  $\mu$  mhos/cm 153.5  $\mu$ S / 19.0°C

REDOX POTENTIAL Eh mvolts N/A

TEMPERATURE T °C 19

ALKALINITY (CaCO<sub>3</sub>) ALK mg/l N/A

DISSOLVED OXYGEN DO mg/l N/A

### • SAMPLING METHODS:

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/17/94 \_\_\_\_\_  
FORM COMPLETED BY (SIGNATURE/DATE) TECHNICAL REVIEWER (SIGNATURE/DATE)

# **SURFACE WATER QUALITY SAMPLING RECORD**

SITE ID KRTL0154LOG DATE 9/17/94LOCATION ID 0314**SAMPLING INFORMATION**WITHDRAWAL METHOD PDpH METER ID Corning pH meterFILTER SIZE .45  $\mu$ 

PUMP ID \_\_\_\_\_

THERMOMETER ID N/A

ALKALINITY KIT ID \_\_\_\_\_

Ec METER ID N/AFIELD REPRESENTATIVE(S) PKM, JJINSTRUMENT(S) USED pH meter**CALIBRATION INFORMATION**DATE/TIME OF LAST Ec CALIBRATION N/A

| TIME | pH METER STANDARDIZATION |             |              | COMMENTS       |
|------|--------------------------|-------------|--------------|----------------|
|      | 4.00                     | 7.00        | 10.00        |                |
|      |                          | <u>7.00</u> | <u>10.01</u> | <u>/19.7°C</u> |
|      |                          |             |              |                |
|      |                          |             |              |                |
|      |                          |             |              |                |
|      |                          |             |              |                |
|      |                          |             |              |                |
|      |                          |             |              |                |

|        |                | A(MmV) | B(mBV) | T(°C) |
|--------|----------------|--------|--------|-------|
| ORP    | INITIAL ZOBELL |        |        |       |
| PROBE: | FINAL ZOBELL   |        |        |       |

**SHIPPING INFORMATION**

LAB(S) SHIPPED TO: \_\_\_\_\_

DATE(S) SHIPPED: \_\_\_\_\_

METHOD OF SHIPMENT: \_\_\_\_\_

COMMENTS \_\_\_\_\_

## INDEX

880 -  
~~886~~ 3406 Bruce Dabb

Dick Ruddy - meet at Carlisle

at 10:00 r

escort out to site

Property of Peter Middlebrooks

Lus Alamos Technical Associates

Address 2400 Louisiana NE Bldg 1 Suite 400

Albuquerque, NM 87110

Telephone (505) 880-3438

This Book is manufactured of a High Grade  
50% Rag Ledger Paper having a Water Resist-  
ant Surface, and is sewed with Nylon Water-  
proof Thread.

8/24/94 McCormick Ranch ①

0630 Arrive at lab & begin loading vehicles.  
0710 Leave for site.  
0730 Arrive at site. Cut lock off of storage bunker & moved equipment into bunker.  
0745 Jeff Johnson giving health & safety briefing to EOD, he gave the H&S briefing to us on-site yesterday at 0930.  
0803 Leave for ART Test area  
0808 Arrive at ART Test, begin setting up to sample.  
0820 Begin sampling 0276  
It is the Newburnmont Rd  
0915 Complete Sampling 0276  
Sampled from 2.5 - 6.0'  
0930 Leave to lab to get pipe wrenches  
0950 At lab. Got wrenches, ordered supplies  
1030 Leave for site after talking w/ Michelle Hedrick  
1050 Decontam  
1055 Setting up at ART site  
1110 Begin EOD clearance

(2)

1112 Begin sampling 0278. Furthest New  
of the pools

1145 Complete sampling, going back to decon

1148 Dig Decon

1215 Back at site. Break for lunch

1225 Starting to sample 0280

1255 Complete sampling 0280

1313 leave to decon

1325 Back to site

1330 Start sampling 0282

1405 Complete sampling 0282

1420 Leaving site to decon. Wind

blowing dust. Will stop searching  
for the day.

1500 At trailer unloading equipment

1535 Leave for day

~~No further entries~~

8/24/94

*[Signature]*

(3)

8/25/94 McCormick Ranch

0700 Arrive at trailer & load gear.

0710 Leave for site

0735 Arrive at site. Loading  
equipment from bunker.

0740 Leave for ART Test site.

0743 At ART test site.

0745 Received H&S briefing. Setting up

0755 Start augering 0284

0830 Complete sampling 0284. Going to  
decon

0852 Decon completed leaving for H&S

Area (Geophysical Area 1)

0900 At Area 1

0930 P Middlebrooks left site

Replaced by S. Gorin (H&S)

H&S briefing by J. Johnson

0935 Augering

1050 Completed 0081 and 0082

in Area 1. Decontaminating  
sampling equipment

1119 Complete Decon - (returning  
to Area 1)

Return R Ranch

8/25/94

- ④
- 112Z Setting up to Auger  
0083 and 0084
- 1200 Completed sampling
- 1205 Removing equipment
- 1220 Setting up to sample  
@ 0085 and 0086
- 1235 Pete Middlebrooks  
returned to site.  
S. Garip headed to fire lake  
while Pete M. replaces him  
sampling
- 1255 taking background soil  
sample. 0.8 miles west  
of site along south boundary  
road. ~100 meters north  
of road. Marked  
w/ stake painted orange

- 1315 Back at decon area. Leaving to  
sample 0085 & 0086
- 1325 Getting up for 0086
- 1350 Sampling 0085
- 1400 Getting up at 0086
- 1410 Begin sampling
- 1445 Sampling 0088
- 1455 Leave to start decon
- 1515 Leave decon area for 0099  
and 0090
- 1525 At 0090 getting up
- 1535 Start sampling 0090
- 1550 Complete sampling 0090.
- 1605 Leave site for trailer
- 1630 At trailer, completing forms  
& unpacking samples.
- 1650 Leave site

*Pete M. Middlebrooks*  
8/25/94

8/26/94

0650 Arrive at site Organizing equipment.  
 0710 Leave for site w/ M. Hedrick & Col. Ristuch.  
 0735 Arrive at site. Had a H&S briefing and start decan.  
 0810 Leave for Geophysical Area 3.  
 0815 At Area 3. Staking locations and setting EOD clearance.  
 0840 Begin sampling 0151-0152  
 0855 Complete sampling, moving to 1570-1574  
 0935 Complete sampling. Going back to decan.  
 1000 Perme-fix arrives w/ drums  
 1010 Complete decan, going back to Area 3  
 1015 Setting up for 0155-0158  
 1110 Complete sampling 0155-0158  
 1125 Going back to decan  
 1140 Run w/ decan lunch break  
 1150 Lunch over, setting up  
 1240 Start sampling 0159-0162  
 Complete sampling 0159-0162

1250 Back at decan area.  
 1257 Decan completed. Going back to 0163-0165  
 1305 At 0163-0165 Setting up & Sampling  
 1345 Scan area after sampling 0163-0165. Complete all  
 Sampling at Geophysical area 3.  
 1347 Leave for decan area.  
 1355 Leave site  
 1420 Back at office. Unloading samples and doing COCs.  
 1430 Talking of Michael Hedrick about road survey/sampling.  
 1550 Leave site.

~~NO FURTHER ENTERIES~~

R. K. Mann 8/26/94

8/29/94

0700 At lab getting equipment loaded.

0715 Leave for site

0745 At site - Doing decon

0759 Complete decon. Going to SSTM Add-on area for

stake locations.

Start sampling at SSTM Add-on

0701, 0702

Complete sampling

At 0707, 0708 setting up

Sampling 0703, 0704 completed

Going to decon.

Done w/ decon. Back to SSTM Add-on

Back at Site. Setting up to sample

0705 + 0706

Complete 0705 → 0708. Duct to

decon area.

At decon area

Leave decon area for SSTM Add-on

At SSTM Add-on. Setting up to

sample 0709 + 0710

Leave 0709 + 0710 after sampling

Back to decon area

Back at decon area

1122 Leave decon area. Will check stakes

at sampling areas, because cows are

destroying them.

1131 Checked areas. No stakes destroyed

other than in geographical area 3.

Leaving site for lab.

1155 At lab unloading equipment

1205 Lunch

1220 End lunch. Start completing forms

+ prepare to ship samples.

1550 Leave to send samples

1625 Samples dropped off at FedEx

9/19/94

Rick Mun

8/30/94

- 0700 Arrive at lab. Getting equipment organized.  
 0710 JS arrives with storing salesman.  
 0750 Leaving for site.  
 0815 At site. Doing decon.  
 0825 Leave for package site and  
 DADS Area for CPD clearance.  
 0933 At <sup>package</sup> ~~garage~~ site.  
 0846 <sup>package</sup> ~~garage~~ site cleaned. Going into Area 5.  
 For clearance  
 0910 At area 5 getting COO clearances  
 0913 Back at <sup>garage</sup> package site. Setting  
 up to sample.  
 1031 Leave area after sampling 0271-0275  
 Back to decon.  
 1036 At decon area  
 1050 Leave decon area for Area 5  
 1055 At Area 5 Setting up to sample  
 1150 Back to decon after sampling  
 Area 5 0225-0228  
 1200 Done w/ decon.  
 1205 At site eating lunch.  
 1230 Prepare to sample

- 1320 Finish sampling 0229-0233.  
 Going back to decon  
 1330 At decon area  
 1337 Leave decon area.  
 1348 Back at Area 5. Will sample  
 0234-0237.  
 1448 Leaving Area 5 after sampling  
 0234-0237  
 1457 Leaving decon area after unloading  
 equipment & re-packing samples.  
 1503 Leave site.  
 1530 Back at lab. Doing samples  
 and packing bottles for SSIM Add on  
 that will go to Quartermaster  
 1630 Leave site.

*John Keller* 8/30/94

8/31/94

0700 Arrive at lab. Load van with equipment  
 0726 Leave for site  
 0734 Arrive at decan area. Unloading equipment + decaning.  
 0758 Leave for H. Fi. area for 100 cleaners  
 0815 Complete 100 cleaners of H. Fi. area  
 0845-0915 Complete sampling 0238-0241  
 0915 Going back to decan.  
 0923 Back at decan area  
 0934 Decan complete. Leave for Area 5  
 0940 At Area 5 setting up for sample  
 1045 0242-0245.  
 Leave for decan area after sampling  
 0242-0245. Done w/ Area 5.  
 1050 Doing decan  
 1102 Decan complete. Switched out coolers. Leaving for H. Fi. area  
 1110 At H. Fi. Setting up to sample  
 0286-0289  
 1203 Sampling of 0286-0289 complete.  
 Leaving for decan area.  
 1210 At decan area  
 1219 Leave decan area for site (H. Fi.)

1225 At H. Fi. Area... Eating lunch.  
 1242 Finished with lunch. Start sampling 0290-0293  
 1325 Done w/ 0290-0293. Going back to decan  
 1337 At decan area  
 1342 leave decan area for H. Fi.  
 1350 At H. Fi. Setting up to sample  
 0294 & 0295.  
 1412 Complete sampling 0294-0295.  
 Going back to decan area  
 1416 At decan area dropping off equipment  
 1420 picking up cooler  
 1420 Leave for laboratory.  
 1445 At laboratory. Unloading, packing samples  
 1550 Leave for day

*L. K. Min* 8/31/94

9/1/94

- 0650 Arrive at Lab. Load vehicle  
 0700 Leave for Micromide Ranch  
 0725 Arrive at Site. Doing Decon.  
 0740 Leave to clear DST test,  
 Generator pit, gravel pit, & Dip 5  
 Finished w/ clearance w/ Eon staff  
 Start Sampling DIPS Area  
 0251 - 0254  
 0931 Finish 0251-0254. Going back to  
 Decon Area.  
 0945 At decon area.  
 0958 Leave decon area for DIPS.  
 1005 At Dip 5. Setting up for  
 Sample 0255-0258.  
 1107 Leave after sampling 0255-0258  
 Found metallic residues in  
 0258 at 2-2.5'. Collected  
 Sample, with ID# 0251.  
 from 2.5-6'. called sample ID# 0002.  
 Break at decon area.  
 1115 Leave decon area for DIPS  
 1120 At DIPS setting up for 0259-0262  
 1125 Complete 0259-0262  
 Saw small block of archaic residue  
 in 0262

- 1221 At decon area  
 1239 Leave decon area for DIPS  
 1245 At Dip 5. Sampling 0263-0265  
 1318 Leave dip 5 after sampling 0263-0265  
 1325 Dropping off gear at decon area.  
 Picking up cooler  
 Leave site  
 1330 At lab. Lunch.  
 1400 Lunch Over. Unloading &  
 Packing Samples.  
 1515 Sample packing is complete.  
 1520 Leave site for day

9/5/94

9/2/94

0 0645 Arrived site Filling water  
 0 0645 just loading vehicle  
 07 0710 Leave for site  
 07 0735 Arrive at site. doing decon  
 08 0800 Leave for gravel pit.  
 08 0807 At gravel pit. Setting up  
 09 0915 For 0246-0250  
 09 0915 Leave gravel pit after  
 09 0930 completing site (0246-0250)  
 09 0930 Going back to decon.  
 09 0930 Done w/ decon. Going to  
 09 0930 generator site.  
 09 0935 At generator site. Setting up  
 10 1040 to sample 0266-0270.  
 10 1040 Complete sampling 0266-0270.  
 10 1045 will go back to decon.  
 10 1045 Deconing.  
 10 1055 Leave for DCT West Area  
 11 1104 At DCT West. Setting up  
 11 1115 for sample 0296-0300  
 11 1126 Complete DCT West. Going  
 11 1132 back to decon area.  
 11 1205 At decon area. (leaving up  
 11 1220 Leave site

1230 At lunch  
 1330 Leave lunch  
 1340 At lab. Packaging samples for  
 shipment.  
 1445 Leave lab for FedEx

9/2/94 R-K-M

9/6/54

0640 Arrive at lab. Organizing equipment  
 0700 Leave to Carliole gate  
 meet Quick-shore people  
 0710 Leave to take Quick-shore to the side.  
 0740 At site. Dropping off Quick-shore at Chebs Area.  
 0805 Start EDD clearance of all 4 franchising areas.  
 0905 Complete EDD clearance (pre-screening).  
 Doing recon for water sampling  
 0930 Leave site to pick up bottles at GRAM.  
 1005 At Gram, getting bottles  
 1024 Leave GRAM for field lab.  
 1042 At field lab. Checking our monitoring instruments.  
 1130 Lunch  
 1145 Lunch over Start picking samples.  
 1310 Leave for FedEx  
 1340 At Fed Ex after picking up cover.  
 1400 At Gram Talking with Regional hydro people

1420. Leave for site.  
 1435. At site. Waiting for backhoe operator.  
 1510. Backhoe operator arrives. Going to drop off bottles.  
 1530 At decon pad. Looking for backhoe support vehicle.  
 1540 Found operator. Leaving for site with decon pad water tank.  
 1615 At site. Organizing equipment.  
 1630 Leave site.  
 1650 At field lab.  
 1655 Leave for day

*R. L. Min* 9/6/54

9/7/94

0800 Arrive at FST for pit test  
 0810 Leave after getting pit test  
 0925 Through Turkish gate -  
 0945 At site. Preparing to take  
 equipment blanks. Contractors  
 doing clean on backhoe  
 1030 Begin collecting following blanks:  
 Auger 0246-1001  
 Scoop 0247-1001  
 Bowl 0248-1001  
 Backhoe 0166-1001  
 Ambient Conditions 0246-2001.  
 1155 Done w/ blank collection.  
 Preparing to leave for site  
 Water bottles left  
 1 L Amber 20 Explosive, SVOC  
 12 Poly 7 Rocks  
 .5 L poly 5 NO3/NO2  
 .25 L amber 5 mercury  
 .5 L poly 5 cyanide  
 1 L poly 2 metals, metals add-on

1205 At Chubs over setting up  
 1220 Start Trenching N-S trench  
 in Area 4. Sampling from  
 0166-0185  
 1600 Complete sampling N-S trench  
 at Area 4. Trenched to 6',  
 reached native soils at 3'.  
 1610 Leave site for lab  
 1635 At lab. Packaging samples.  
 1745 Leave lab for Fed Ex.  
 1810 At Fed Ex. Picking off samples

K. K. Miller 9/7/94

9/8/94

- 0700 Arrive at lab. Loading equipment.  
 0705 Leave for site  
 0730 At site. Doing Decon  
 0755 Decon completed. Leaving for Trenching Area 4.  
 0800 At trenching Area 4. Setting up to start E-W trenching.  
 Photos (Trenching Area 4) 9/08/94
- 1) N-S trench from south 6' deep
  - 2) South end of N/S trench. Cables
  - 3) West side of N/S trench. Showing contact of silty sand w/ cemented layers at 3'. Shows native soils.
  - 4) N/S trench from North
  - 5) E-W trench 0-3'. From E View of cables, View of cables.
  - 6) E-W trench 0-3'. From E
  - 7) E-W clearing trench at 3'
  - 8) E-W Trench. SE wall. Showing contact at 1 1/2 - 2' w/ native soil.
  - 9) Collecting sample 0191 in trench
  - 10) Collecting sample 0191 in trench
  - 11) E-W Trench to 6'. From East side. Shows cable + cement layer
  - 12) E-W Trench to 6'. From north. Shows cementation contact at 3'.

- 1145 Complete sampling E-W trench at Geophysical Area 4. Sampled to 6'. H.T. native soils at 2-3'. Collected 0186 - 0205.  
 1200 Decon completed. Leaving site for lab.  
 1225 At lab. Unloading samples and doing rad surveying / sampling.
- Rad Sample #      Location Composite
- |                 |                        |
|-----------------|------------------------|
| 0317-0001       | Area 1 Hand Auger      |
| 0317-0002       | Area 1 Hand Auger Dup. |
| 0318-0001       | Area 3 Hand Auger      |
| 0319-0001       | Area 5                 |
| 0320-0001       | Gravel Pit             |
| 0321-0001       | Pipe S                 |
| 0322-0001       | Generator Site         |
| 0323-0001       | Fuelage                |
| 0323-0002       | Fuelage Duplicate      |
| 0324-0001       | Airt Test              |
| 0324-0001 w/mud | Airt Test w/mud        |
| 0325-0001       | H. Fi                  |
| 0326-0001       | DCT Heat               |
| 0327-0001       | SSTM Add-On            |
- 1430 Leave site for Day

9/8/94

*R. E. Mue*

9/9/94

0700 Arrive at lab. Loading equipment  
0705 Leave for site. Will start

Trenching Area 3 and resample  
0266 & 0296 which reached the  
lab at 9°C

0710 At site. Dory Dean  
0740 Leave for Trenching Area 3

0750 At Trenching Area 3. Beginning  
to trench the N-S trench  
20E, 20N to 20E, 41.5N

1045 Complete trenching the N-S trench

Sampled 0086-0105  
Trench total depth of 9'

Saw Native soil at 5'6"  
on West side of trench and  
7-8' on the east side of trench

Obvious ground disturbance had  
been filled in

1115 Leave Trenching Area 3 after  
filling in & marking trench

1120 At Generator site. Re-sampling  
0266.

1125 Leave 0266 Car DCT - Head  
1130 At 0296 sitting up

1140 Complete sampling 0296 at  
DCT - Head. Going back to Decan  
area

1141 At decan area. Unloading equipment  
1145 Leave site for lab

1210 At lab. Unloading & checking in samples  
1230 Lunch

1245 Lunch over. Going to Gram.

1245 Back from Gram w/ coolers & bottles.  
Picking samples from Trenching Area 4

1510 Done packing samples. Finished for day

9/9/94 RSK. Mun

9/12/94

- 0650 Arrive at lab. Loading vehicle.  
 0705 Leave for site.  
 0735 At site. Loading vehicle & doing decon.  
 0752 Leave for site of Area 2.  
 0755 At geophysical area 2, trenching area 3.  
 Will sample E-W trench.  
 Trench will be from 20E, 415N to 5E, 415N.  
 Sample #5 0111-0130

Photos

- 13) Trenching Area 3 E-W Trench 0-3' showing clayey sandy soils to 3' throughout.  
 14) Trenching Area 3 E-W Trench 6' showing soil horizons from south side of trench. Same as 14' Trench at 6' from the east.  
 15) Complete sampling E-W trench at geophy. loc. Area 2, Trenching Area 3. Went to 6'. Sampled 0111-0130

- 1050 Back at bunker. Doing decon on bikehive & sampling equipment.  
 1140 Leave to Trenching Area 2 to start trenching there.  
 1150 Start trenching at TAZ.  
 N/S Trench. 70E, 265N  $\rightarrow$  70E, 280N  
 Hit large quantities of burned debris (wood, cable, spools) at 3' in south portion of trench.  
 Move trench to 70E, 270N  $\rightarrow$  70E, 285N

Photos

- 17) Trench from 0-3' from south. Showing cables/debris  
 18) Trench from 0-6' from south. Showing debris  
 19) Same as 18  
 20) Cables on south side of trench  
 21) Debris on north wall of trench  
 22) Black burned layer on east wall of trench at 4' depth  
 23) North side of N/S trench at 9'  
 24) South side of N/S trench at 9'  
 25) Trench at 9' (full length) taken from South side.

1430

Complete sampling the N/S trench at Trenching Area 2. Hit native soils at 6-7', so took trench to 9'. Area of burning and debris buried. Sampled 0041-0060.

1445

Trench filled & started going back to decompress to load coolers.

1500

Leave site for day

1520

At lab. Checking in samples

1550

Done for day.

9/10/94

0650 Arrive at lab. Loading coolers and water sampling equipment leave for site.

0705

0735 Arrive at site. Preparing bottles for water sampling

0855

Leave to start water sampling

0910

At background site (0314)

approx 3/4 mile onto dirt road from Juler tower paved road

0920

Begin sampling 0314

0935

Complete sampling 0314. Doing field measurements & loading car

0945

Leave for site to do on-site water sampling

1005

Locations marked for water sampling have dried up. No more water sampling today. Back to down bunker to unload equipment & prepare for trenching.

1030

Leave for Trenching Area 2 to do the E-W trench

1040

Start trenching.

John K. Martin

9/10/94

Photos

- 1) Trenching Area 2.  
from East
- 2) TAZ E-W
- 3) TAZ E-W
- 4) TAZ E-W

E-W Trench. 0-3'  
0-6' from North.  
0-6' from South  
0-4' from East

1400 Complete trenching E-W trench  
went to 9'. Hit native soils  
at 6-7'. Filling trench

1420 Complete filling trench + moving  
shoring equipment back to decommission.

1430 Leave site

1500 At Lab. Packing samples for

shipment

1700 Leave lab for Fed Ex

1730 Finish at Fed Ex

9/14/94

- 0615 Arrive at lab. Loading equipment
- 0628 Leave for site
- 0655 At second bunker. Doing decon  
of sampling equipment and bunker
- 0755 Leave for Trenching Area 1,  
Geophysical Area 1.

Photos

- 5) TAZ E-W 0-6' Showing large  
cement/rebar debris on east side  
and other debris throughout from  
4-6' below surface

6) Same as 5

7) Same as 5

8) TAZ E-W 0-9' From E

9) TAZ E-W 0-9' From N

1200 Finish E-W trench. Sampled  
0001-0020. Stopped at 12'  
Still in debris. Reached limit  
of bunker

1230 Start trenching N-S trench

*Sh. E. Min*

Photo 2

- 10) Geophysical Area 1 Trenching Area 1  
N/S trench 0-6' from South  
Showing concrete structure in N 1/2  
of trench!
- 11) TA 1 0-6' from west. Close-up  
of debris, concrete
- 12) TA 1 0-6' from east. Showing  
native soils at 5'
- 13) TA 1 0-6' from north. Showing  
length of trench

- 1430 Complete sampling N/S trench.  
Hit concrete on South side at 3'  
Hit concrete on North side at 4'  
Hit native soils on South side at 5'  
Could not get past concrete on  
North side. Stopped at 6'
- 1440 Back at decon area. Fishing  
decon of backhoe prior to releasing  
backhoe from Mulberry ranch site  
Leave site
- 1445 At lab. Unloading gear & putting  
samples
- 1505 Complete boring samples. Done  
for day

9/14/94 P.K. Min

9/15/94

- 0715 Arrive at lab. Organizing equipment
- 0730 Leave for site
- 0755 Arrive at site. Will load up quickshore  
on dealers truck.
- 0815 Done loading shoring materials.
- 0820 At decon area. Getting keys
- 0825 At Area 2. Dirty clearance w/ EOD
- 0855 Back at decon area. Dirty decon.
- 0925 At Area 2. Getting up to sample  
numbers 0131-0134.
- 1015 Complete 0131-0134. Decon area.
- 1032 Leave decon area. Back 0135-0138.
- 1035 Start sampling 0135-0138.
- 1110 Complete sampling 0135-0138.
- Going back to decon area.
- 1115 At decon area.
- 1125 Leave decon area. Back 0139-0142.
- 1140 Start sampling 0139-0142.
- 1220 Complete sampling 0139-0142.
- 1230 Arrive back with unloading backhoe gear.
- 1235 Leave site.
- 1355 Back at lab.
- 1400 Complete picking samples. Done for day

9/15/94 P.K. Min

9/16/84

- 0650 Arrive at lab. Boundary vehicle  
 0705 Leave for site  
 0733 At site. Getting EOD clearance  
 of Geophysical Area 4.  
 0800 Done w/ EOD clearance. Buckle  
 down.  
 0815 Done w/ decon. Leave for Area 2.  
 0820 At Area 2. Sampling 0143-0146 at  
 Desert floor.  
 0905 Complete 0143-0146. Going back  
 to decon.  
 0920 Decon complete. Going back to  
 Finish Area 2 (0147-0150)  
 0925 Start sampling 0147-0150  
 1010 Complete sampling 0147-0150.  
 Area 2 is completed. Back to decon  
 1023 Decon completed. Going to Area 4.  
 1025 At Area 4. Starting 0200-0201  
 1105 Complete 0200-0201. Back to decon  
 1115 Decon completed. Headed back  
 to decon 0210-0213.  
 1117 At Area 4. Starting to Sample  
 0210-0213.  
 1200 Complete sampling - 0210-0213.

- 1205 At decon area. Unloading gear  
 1210 Leave site.  
 1245 ~~Leave site~~ from Arrive at lab.  
 Unload and pack samples.  
 1350 Leave lab for Fed Ex

9/16/84

Pat M. Davis

9/19/94

0650 Arrive at lab & loading equipment  
 0705 Leave for site  
 0732 Arrive at site  
 0750 Leave for area  
 0800 Start sampling 0214-0217  
 110832 Complete 0214-0217. Going back to decan.  
 0835 Back at decan area.  
 10845 Decan complete. Leave to do 0218-0221.  
 10850 Start 0218-0221  
 10970 Complete 0218-0221. Going back to decan  
 10933 At decan area.  
 10947 Leave decan area for 0222-0225  
 0950 At 0222-0225. Setting up to sample  
 1030 Complete sampling 0222-0225.  
 1035 Back at decan area doing final decan & cleaning up.  
 1115 Leave site

Mark Mun 9/19/94

9/20/94

0650 Arrive at lab. Doing Rad Fumery  
 0805 Complete rad fumery & sampling for 0329-0332  
 0840 Finish dropping off rad samples w/ Capt Adams. Signed over samples to him  
 0845 Check at lab. Loading samples from Trenching Areas 1, 2, & 3 to take back to field  
 1245 Done w/ Sample transfer & held for day. Will pack samples now.  
 1350 Done packing samples with tail samples to Fed Ex.

Mark Mun 9/20/94

9/21/94

- 0630 Arrived Lab. Loading equipment. Will take remaining samples outside field.
- 0720 Leave for site.
- 0755 At site. Unloading samples.
- 0930 Sample unloading complete. Going back to lab.
- 1000 At lab. Unloading equipment.
- 1005 Leave for site to get other sampling equipment and transfer it back to lab.
- 1035 At site. Loading equipment.
- 1055 Leave site.
- 1105 At lab. Unloading equipment.
- 1235 Leave for GRAM Inc. to drop off equipment.
- 1400 Back at lab after dropping off equipment. Loading vehicles again.
- 0420 Leave for day.

*De & Mar*

10/12/94

- 0900 Leave for McCormick Ranch to collect background samples. Picked up carload of all sampling equipment. All equipment had been cleaned on 9/19/94 & put in storage.
- 0935 At site. At background location 0311 along beach fence line.
- 0945 Collecting Sample 0311 - 0001.
- 0955 Leave for background location 0312.
- 1005 At location 0312, 1/4 mile west of well 1004.
- 1010 Collecting 0312 - 0001.
- 1020 Leave site to package samples.
- 1055 Packaging samples.
- 1150 Sample packaging complete. GRAM will ship the samples.

*De & Mar*

10/12/94