



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-243

TOTAL DEPTH: 106

PROJECT INFORMATION

PROJECT: Off Depot RA

PROJECT NO.: 3200-064

SITE LOCATION: Offsite NW of Dunn Field

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Sperry

BOREHOLE STARTED: 6/28/2009

BOREHOLE FINISHED: 6/28/2009

DRILLING INFORMATION

DRILLING CO.: WDC

DRILLER: C. Rockhill

DRILLING METHOD/RIG: SONIC

BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION: 292.53

WATER DEPTH/ DATE: 77.1 / 7/27/2009

BOREHOLE USE: Monitoring Well

NOTES:

| Depth | Soil Symbol | Soil Description | Well Completion | Well Description |
|-------|-------------|---|-----------------|------------------|
| | | CL Silty clay - strong brown (7.5YR 4/6) trace manganese nodules, low plasticity, moist | | Grouted Annulus |
| | | CL Silty clay - strong brown (7.5YR 4/6) high plasticity, moist | | |
| 10 | | CL Silty clay - strong brown (7.5YR 4/6) high plasticity, moist | | |
| | | CL Silty clay - strong brown (7.5YR 4/6) high plasticity, moist | | |
| 20 | | CL Silty clay - strong brown (7.5YR 4/6) high plasticity, trace gravel (chert and quartz), moist | | |
| | | CL Silty clay - brown (7.5YR 5/4) very stiff with light grey (7.5YR 7/1) mottles, low plasticity, moist | | |
| | | CL Silty clay - brown (7.5YR 5/4) very stiff with light grey (7.5YR 7/1) mottles, low plasticity, moist | | |
| 30 | | | | |

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| Depth | Soil Symbol | Soil Description | Well Completion | Well Description |
|-------|-------------|---|-----------------|------------------|
| | | CL Sandy clay - red (2.5YR 5/8) sand is fine grained, high plasticity, moist | | |
| | | SC Clayey sand - red (2.5YR 4/8) sand is fine to medium grained with trace gravel, moist | | |
| 40 | | SW Sand - red (10YR 5/8) fine to medium grained sand with trace gravel, moist | | |
| 50 | | SW Sand - yellowish Red (5YR 5/8) medium to coarse grained sand with trace gravel, moist | | |
| | | SW Gravelly sand - brown (7.5YR 5/4) very coarse grained sand with subangular gravel, moist | | |
| 60 | | | | |

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|-------|-------------|---|-----------------|------------------|
| | | SW Sand - yellowish red (5YR 5/6) medium grained sand with trace gravel, moist | | |
| 70 | | SW Sand - yellowish red (7.5YR 6/8) fine grained sand, dry | | |
| | | SW Sand -reddish yellow (7.5YR 6/6) medium to coarse grained sand, wet | | |
| 80 | | SW Sand - pinkish grey (7.5YR 7/2) fine to medium grained sand, wet | | |
| | | SW Sand - brownish yellow (10YR 6/8) medium to coarse grained sand with trace gravel, wet | | |
| 90 | | | | |

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| Depth | Soil Symbol | Soil Description | Well Completion | Well Description |
|-------|-------------|---|-----------------|-------------------|
| | | | | Sand Pack |
| | | | | Screened Interval |
| | | SW Sand - brownish yellow (10YR 6/8) medium to coarse grained sand with trace gravel, wet | | |
| | | SC Sand - brownish yellow (10YR 6/8) medium to coarse grained sand with trace clay, wet | | |
| 100 | | CH Clay - dark bluish grey (Gley 4/10B) very stiff, plastic, moist | | Bentonite Plug |
| | | End of Log | | |
| 110 | | | | |
| 120 | | | | |

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