



## FIELD BOREHOLE LOG

BOREHOLE NO.: MW-249

TOTAL DEPTH: 106.5

### 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: 6/17/2009

BOREHOLE FINISHED: 6/17/2009

### DRILLING INFORMATION

DRILLING CO.: WDC

DRILLER: C. Rockhill

DRILLING METHOD/RIG: SONIC

BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION: 285.89

WATER DEPTH/ DATE: 70.59 / 7/27/2009

BOREHOLE USE: Monitoring Well

### NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Silty clay - brown (7.5 YR 4/4) low plasticity, moist		Grouted Annulus
		<b>CL</b> Silty clay - brown (7.5 YR 4/4) low plasticity, moist		
10		<b>CL</b> Silty clay - strong brown (7.5 YR 4/6), low plasticity, moist		
20		<b>CL</b> Silty clay - strong brown (7.5 YR 4/4) plastic, small Mn nodules trace, moist		
30		<b>CL</b> Silty clay - strong brown (7.5 YR 4/4) plastic, small Mn nodules trace, moist		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Silty clay - strong brown (7.5 YR 4/4) plastic with gravel and sand, gravel is rounded, moist		
		<b>SM</b> Silty sand - red (2.5 YR 5/8) fine to medium grained sand, moist		
		<b>GC</b> Mix of sand, clay, and gravel - yellowish red (5YR 5/6) rounded gravel, medium grained sand, moist		
40		<b>SM</b> Silty sand - (red 2.5YR 5/6) some trace rounded gravel, moist		
		<b>SM</b> Silty sand - (red 2.5YR 5/6) some trace rounded gravel, moist		
50		<b>SW</b> Gravelly sand - olive yellow (2.5YR 6/8) Some Iron Oxide nodules, sand is medium to coarse grained, moist		
		<b>SW</b> Sand - yellowish brown (10YR 6/8) fine to medium grained, some well rounded gravel, moist		
60		<b>SW</b> Sand - reddish yellow (7.5YR 6/8) fine to medium grained, moist		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SW</b> Sand - reddish yellow (7.5YR 6/8) fine to medium grained with some trace angular gravel, moist		
		<b>SW</b> Sand - reddish yellow (7.5YR 6/8) fine to medium grained, Large chunk of chert was pulverized into the core, moist		Bentonite Plug
70		<b>SW</b> Sand - reddish yellow (7.5YR 6/8) fine to medium grained sand, trace amounts of very small angular gravel, moist	70.59-ft.	
		<b>SW</b> Sand - reddish yellow (7.5YR 6/8) fine to medium grained, trace angular gravel, moist		
80		<b>SW</b> Sand - reddish yellow (7.5YR 6/8) fine to medium grained trace angular gravel, moist		Sand Pack
		<b>SW</b> Sand - strong brown (7.5YR 5/8) medium to coarse grained, no trace gravel, moist		
		<b>SW</b> Sand - strong brown (7.5YR 5/8) coarse grained, trace gravel, moist		Screened Interval
90				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
100		<b>SW</b> Sand - strong brown (7.5YR 5/8) course grained, no gravel, moist <b>CH</b> Clay - dark bluish grey (Gley 4/10B) very stiff and plastic, moist		Bentonite Plug
110		End of Log		
120				

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