

FIELD BOREHOLE LOG

BOREHOLE NO.: MW-242 TOTAL DEPTH: 105

PROJECT INFORMATION

PROJECT: Off Depot RA PROJECT NO.: 3200-064

SITE LOCATION: Offsite NW of Dunn Field

PROJECT MANAGER: T. Holmes

FIELD STAFF: S. Gillet

BOREHOLE STARTED: 6/21/2009 BOREHOLE FINISHED: 6/21/2009

DRILLING INFORMATION

DRILLING CO.: WDC DRILLER: R. Knight

DRILLING METHOD/RIG: SONIC BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION: 295.94 WATER DEPTH/ DATE: 79.84 / 7/27/2009

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
-		ML Topsoil first 6". Clayey silt - dark yellowish brown (10YR 4/4) with light brownish gray (10YR 6/2) and brownish yellow (10YR 6/8) mottles, low plasticity, moist		
10-		ML Clayey silt - dark yellowish brown (10YR 4/4) with light brownish gray (10YR 6/2) and brownish yellow (10YR 6/8) mottles, low plasticity, moist		Grouted Annulus
20-		ML Clayey silt - dark yellowish brown(10YR 4/4) with light brownish gray(10YR 6/2) and brownish yellow(10YR 6/8) mottles,low plasticity, moist		
- - - -		CL Silty clay - yellowish brown(10YR 5/6) with light brownish gray (10YR 6/2) and brownish yellow (10YR 6/8) mottles, trace of fine grained gravel, low plasticity, carbonized root hairs, moist		
30-		CL Silty clay - yellowish brown(10YR 5/6) with light brownish gray (10YR 6/2) and brownish yellow (10YR 6/8) mottles, trace of fine grained gravel, low plasticity, carbonized root hairs, moist		

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epth	Soil Symbol	Soil Description	Well Completion	Well Description
-				
- 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		SW Sand - yellowish red (5YR 5/8) medium grained, some gravel, trace of silt, loose, moist		
- 1		SW Sand - yellowish red (5YR 5/8) medium grained, some gravel, trace of silt, loose, moist		
40		SW Sand - brownish yellow (10YR 6/8), fine to medium grained, trace of fine gravel, loose, moist		
		SW Gravelly sand - brownish yellow (10YR 6/8) grading form fine grained at the top to coarse grain at the bottom, loose moist		
50		SP Sand - redish yellow (7.5YR 6/8) medium grained with a trace of fine gravel, loose, moist		
		SW Gravelly sand - brownish yellow (10YR 6/8) grading form fine grained at the top to coarse grain at the bottom, loose, moist		
		SW Gravelly sand - brownish yellow (10YR 6/8) grading form fine grained at the top to coarse grain at the bottom, loose, moist		
60-		SW Sand - brownish yellow (10YR 6/6) coarse grained with some gravel, loose, moist		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
70-		SW Sand - brownish yellow (10YR 6/6) coarse grained with some gravel and a trace of cobble, loose, moist SP Sand - yellow (10YR 7/8) medium grained, little gravel and a trace of clay, loose, moist		Bentonite Plug
80-		SW Silty sand - yellowish brown (10YR 5/6) medium grained with some gravel, moist, loose	79.84-ft.	Sand Pack
- -		SP Sand - brownish yellow (10 YR 6/8) medium grained, trace of coarse gravel, loose, moist		
		SC Clayey sand - yellowish brown (10YR 5/8) fine to medium grained, loose, moist CL Clay - brownish yellow (10YR (6/8) low		Screened Interva
90-		plasticity, moist	75(75(75)	



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Soil Symbol	Soil Description	Well Completion	Well Description
	CL Clay - dark gray (10YR 4/1) low plasticity, moist		Bentonite Plug
	End of Log	F/1-7-/1-7	
	Symbol	CL Clay - dark gray (10YR 4/1) low plasticity, moist	CL Clay - dark gray (10YR 4/1) low plasticity, moist

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