



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-250

TOTAL DEPTH: 185

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: 6/29/2009
 BOREHOLE FINISHED: 6/29/2009

DRILLING INFORMATION

DRILLING CO.: WDC
 DRILLER: R. Knight
 DRILLING METHOD/RIG: SONIC
 BOREHOLE DIAMETER: 6-inch
 GROUND SURFACE ELEVATION: 290.19
 WATER DEPTH/ DATE: 131.63 / 7/27/2009
 BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		ML First 6" is topsoil. Clayey silt - dark yellowish brown (10YR 3/6) low plasticity, moist		Surface Casing
		ML Clayey silt - dark yellowish brown (10YR 4/4) low plasticity, moist		
10		ML Clayey silt - dark yellowish brown (10YR 4/4) low plasticity, moist		
20		CL Silty clay - dark yellowish brown (10YR 3/4) low plasticity, lenses of gray (10YR 5/1) and strong brown (7.5YR 5/8), moist		
30		CL Clay with some gravel - dark yellowish brown (10YR 4/6) low plasticity, moist		

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		SP Sand - yellowish red (5YR 5/8 fine to medium sand, loose, moist			
		SW Sand with some gravel - yellowish red (5YR 5/6) fine to medium grained, loose, moist			
		SP Sand - yellowish red (5YR 5/8) fine to medium sand, loose, moist			
40		SP Sand - reddish yellow (7.5YR 6/8) fine to medium sand, loose, moist			
		SW Sand with some coarse chert gravel - (10YR 7/8) fine to medium grained, loose, moist			
50		SW Sand with some fine gravel - reddish yellow (7.5YR 6/8) fine to medium grained, loose, moist			
		SP Sand - brownish yellow (10YR 6/8) fine to medium sand, trace of gravel, loose, moist			
60					

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
	[Symbol]		[Completion]	
70	[Symbol]	<p>SW Gravelly sand - yellow (10YR 7/8) sand is medium to coarse grained, gravel is fine to coarse, chert gravel is rounded, loose, very moist</p>	[Completion]	
	[Symbol]	<p>SW Sand - brownish yellow (10YR 6/8) medium to coarse sand, loose, moist</p>	[Completion]	
80	[Symbol]	<p>SW Sand - brownish yellow (10YR 6/8) medium to coarse sand, loose, moist</p>	[Completion]	
90	[Symbol]	<p>SW Sand - brownish yellow (10YR 6/6) medium to coarse sand, trace of gravel, loose, wet</p>	[Completion]	

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		SW Sand - brownish yellow (10YR 6/6) medium to coarse sand, trace of gravel, loose, wet			
100		CL Clay - dark grey (10YR 4/1) low plasticity, medium stiff, moist			
		CL Clay - dark grey (10YR 4/1) low plasticity, medium stiff, moist			
110		CL Clay - dark grey (10YR 4/1) low plasticity, medium stiff, moist			Gouted Annulus
		CL Clay - dark grey (10YR 4/1) low plasticity, medium stiff, moist			
120					

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
130		CL Clay - dark grey (10YR 4/1) low plasticity, medium stiff, moist	 131.63-ft.	
140		CL Clay - dark grey (10YR 4/1) low plasticity, medium stiff, moist		
		CL Silty clay with a trace of fine sand - dark gray (10YR 4/1) medium stiff, low plasticity, moist		
150		CL Silty clay with a trace of fine sand - dark gray (10YR 4/1) medium stiff, low plasticity, moist		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CL Clay - dark gray (10YR 4/1) medium stiff, low plasticity, moist		Bentonite Plug
160				
		CL Clay - dark gray (10YR 4/1) medium stiff, low plasticity, moist		
170				
		SP Sand - dark grey (10YR 4/1) fine to medium sand, loose, wet		Sand Pack
		SP Sand - dark grey (10YR 4/1) fine to medium sand, loose, wet		Screened Interval
180				

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