



## 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

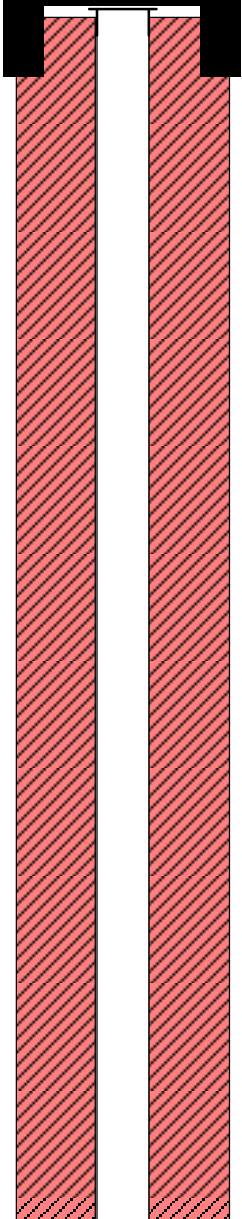
BOREHOLE DIAMETER: 6-inch

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

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		<b>SP</b> Sand - yellowish red (5YR 5/8 fine to medium sand, loose, moist			
		<b>SW</b> Sand with some gravel - yellowish red (5YR 5/6) fine to medium grained, loose, moist			
		<b>SP</b> Sand - yellowish red (5YR 5/8) fine to medium sand, loose, moist			
40		<b>SP</b> Sand - reddish yellow (7.5YR 6/8) fine to medium sand, loose, moist			
		<b>SW</b> Sand with some coarse chert gravel - (10YR 7/8) fine to medium grained, loose, moist			
50		<b>SW</b> Sand with some fine gravel - reddish yellow (7.5YR 6/8) fine to medium grained, loose, moist			
		<b>SP</b> 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
70		<b>SW</b> Gravelly sand - yellow (10YR 7/8) sand is medium to coarse grained, gravel is fine to coarse, chert gravel is rounded, loose, very moist			
		<b>SW</b> Sand - brownish yellow (10YR 6/8) medium to coarse sand, loose, moist			
80		<b>SW</b> Sand - brownish yellow (10YR 6/8) medium to coarse sand, loose, moist			
		<b>SW</b> Sand - brownish yellow (10YR 6/6) medium to coarse sand, trace of gravel, loose, wet			
90					

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

Grouted Annulus

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

131.63-ft.

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

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
190		End of Log		
200				
210				

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