



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-251

TOTAL DEPTH: 175.5

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: 6/28/2009

BOREHOLE FINISHED: 6/28/2009

DRILLING INFORMATION

DRILLING CO.: WDC

DRILLER: R. Knight

DRILLING METHOD/RIG: SONIC

BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION: 286.16

WATER DEPTH/ DATE: 127.64 / 7/27/2009

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Topsoil		
		CL Silty clay - dark yellowish brown (10YR 4/4) low plasticity, moist		
		CL Silty clay - dark yellowish brown (10YR 4/4) low plasticity, moist		
10				
		CL Silty clay - dark yellowish brown (10YR 4/4) low plasticity, moist		
		CL Silty clay with some gravel - dark yellowish brown (10YR 4/4) low plasticity, moist		
20				
		SW sand with some gravel and interbedded clay layers <1" thick - Sand is yellowish red (5YR 5/8) and clay layers are pink (5YR 7/4) medium grained, loose, moist		
30				

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		SP Sand - Color varies between zones of yellow (10YR 7/8) and reddish yellow (5YR 6/8) loose, medium grained, dry			
		SP Sand - Color varies between zones of yellow (10YR 7/8) and reddish yellow (5YR 6/8) loose, medium grained, dry			
40		SW Sand - yellowish brown (10YR 5/6) fine to coarse sand, loose, moist			
		SW Sand - yellowish brown (10YR 5/6) fine to coarse sand with some gravel, loose, moist			
		SP Sand - reddish yellow (5YR 5/8) medium sand with some gravel, loose, moist			
50		SP Sand - reddish yellow (7.5YR 6/8) medium sand with a trace of gravel, loose, moist			
		SP Sand - reddish yellow (7.5YR 6/8) medium sand with a trace of gravel, loose, moist			
60					

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
70		SP Sand - reddish yellow (7.5YR 6/8) medium sand with a trace of gravel, loose, moist			
		SW Sand with trace gravel - reddish yellow (5YR 6/8) medium to coarse grained, loose, moist			
		SW Sand with trace gravel - reddish yellow (5YR 6/8) medium to coarse grained, loose, moist			
80		SW Sand - brownish yellow (10YR 6/8) medium to coarse sand, some gravel, loose, moist			
90					

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
100		CL Clay - dark grey (10YR 4/1) low plasticity, moist		
110		CL Clay - dark grey (10YR 4/1) low plasticity, moist		Grouted Annulus
120		CL Clay - dark grey (10YR 4/1) low plasticity, moist		



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130		CL Silty clay with a trace of fine sand - dark grey (10YR 4/1) with black (10YR 2/1) speckles, low plasticity, stiff, moist CL Clay - dark grey (10YR 4/1) low plasticity, stiff, moist	127.64-ft.	
140		CL Clay - dark grey (10YR 4/1) low plasticity, stiff, moist		
150		CL Clay - dark grey (10YR 4/1) low plasticity, stiff, moist		

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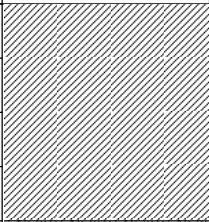





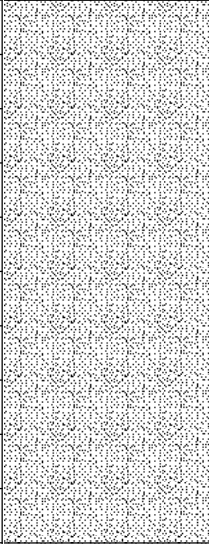
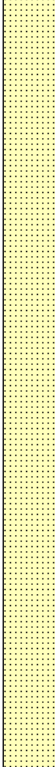
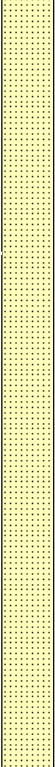

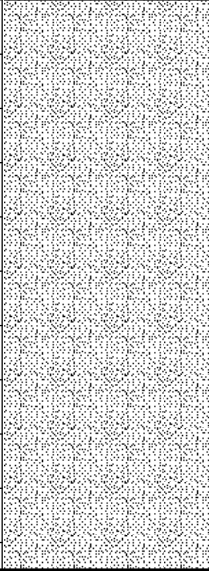
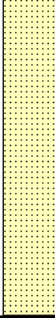
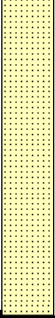

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
			 	Bentonite Plug
		SP Sand with some clay - dark grey (10YR 4/1) fine to medium grained, medium dense. Wet.	 	
		SP Sand - light grey (10YR 7/2) medium grained, loose, occasional clay lenses, wet	 	
160				
		SP Sand - light grey (10YR 7/2) medium grained, loose, occasional clay lenses, wet	 	Sand Pack
170				Screened Interval
		End of Log		
180				

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