



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-247

TOTAL DEPTH: 106

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: 6/18/2009

DRILLING INFORMATION

DRILLING CO.: WDC

DRILLER: C. Rockhill

DRILLING METHOD/RIG: SONIC

BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION: 286.16

WATER DEPTH/ DATE: 70.54 / 8/26/2009

BOREHOLE USE: Monitoring Well

NOTES: MW-247 was originally installed on 6/18/2009. The casing was found to be broken a new well was installed in the same location as the original well.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CL Clayey silt - brown (7.5YR 4/4) some manganese nodules and staining, organic material, plastic, moist		Grouted Annulus
10		CL Silty clay - brown (7.5 YR 4/4), slightly plastic, moist		
20		CL Silty clay - brown (7.5 YR 4/4), slightly plastic, moist		
30		CL Silty clay - brown (7.5 YR 4/4) trace sand becoming more prevalent at the bottom, moist		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Sand - yellowish red (5YR 5/8) medium grained, lots of rounded gravel, moist		
		SM Sand - reddish yellow (7.5YR 6/8) medium to fine grained, moist		
		GC Sandy clay - brown (7.5YR 4/4) rounded to sub angular gravel, moist		
40		SM Sand - reddish yellow (7.5YR 6/8) medium to fine grained with trace sub-angular gravel, moist		
		SW Sand - reddish yellow (5YR 6/8) medium to coarse grained with trace sub-angular gravel, moist		
50		SW Sand - reddish yellow (7.5YR 6/8) medium to fine grained with trace sub-angular gravel, moist		
		SW Sand - reddish brown (5YR 4/4) medium grained with lots of gravel, moist		
60				

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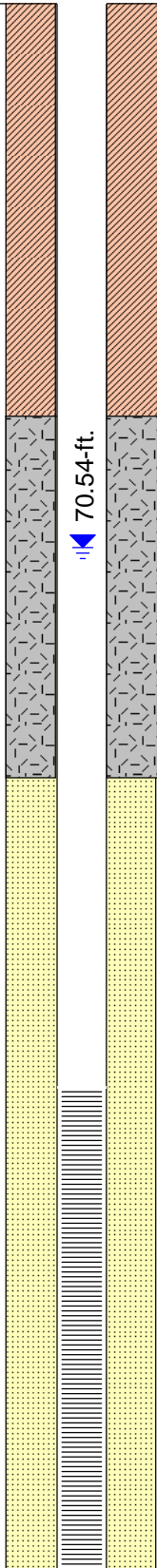
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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Sand - reddish yellow (7.5YR 6/8) medium to fine grained, moist		Bentonite Plug
		SW Sand - reddish yellow (7.5YR 6/6) fine grained with trace subangular gravel, dry		
70		SW Sand - reddish yellow (7.5YR 6/8) fine and medium grained with some trace gravel, moist		
80		SW Sand - reddish yellow (7.5YR 7/6) fine and medium grained, moist		
90		SW Sand - strong brown (7.5YR 5/6) med to coarse grained, wet		
				Sand Pack
				Screened Interval

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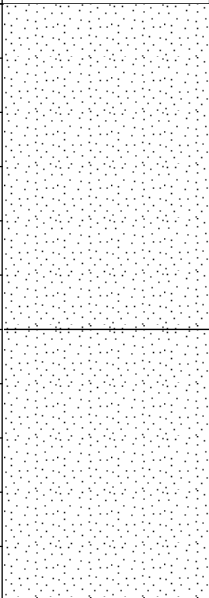
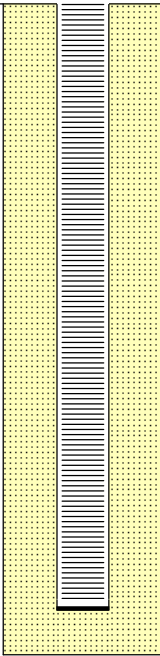
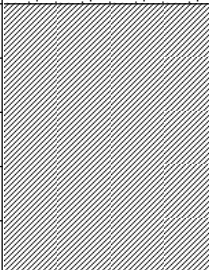
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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
100		SW Sand - reddish yellow (7.5YR 6/6) medium to coarse grained, wet		
		CH Clay - dark grey (Gley 4/N) fine grained, plastic, stiff, moist Note: Reinstallation 1 foot into clay, bentonite not used.		
110		End of Log		
120				

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