



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-197B

TOTAL DEPTH: 111 ft.

PROJECT INFORMATION

PROJECT: DDMT - Main Installation, New Plume Wells

PROJECT NO.: 3202-019

SITE LOCATION: MI

PROJECT MANAGER: T. Holmes

FIELD STAFF: E. Van Schaik

BOREHOLE STARTED: 8/4/2006 1:10:00 PM

BOREHOLE FINISHED: 8/4/2006 3:00:00 PM

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: A. Marshall

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 291.43 (ft, msl)

WATER DEPTH/ DATE: 92.82 ft.toc - 8/14/06

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
10		CL Clay - reddish brown (5YR 4/4) low plasticity, dry		Grouted Annulus
20		CL Clay - reddish brown (5YR 4/4) medium plasticity, dry		
30		CL Gravelly Clay - yellowish red (5YR 5/6) low to medium plasticity, fine gravel, sub angular to sub rounded, dry		

Created By: WTR

Checked By: EVS



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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		SC Clayey sand - reddish yellow (7.5YR 6/8) very fine grained, dry			
40		SW Gravelly sand - strong brown (7.5YR 5/8) fine to medium grained, fine to medium sub angular to sub rounded gravel increasing with depth, dry			
50		SP Sand - reddish yellow (7.5YR 6/8) fine to medium grained, dry			
		SW Gravelly sand - reddish yellow (7.5YR 6/8) fine to medium grained, fine to medium gravel, A/A, dry			
60		SW Gravelly sand - reddish yellow (7.5YR 6/8) fine to medium grained, fine to medium gravel, A/A, dry			

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravelly sand - yellow (7.5YR 6/8) very fine to fine grained, lower most 1-ft. very silty, dry		
		SP Sand - yellow (10YR 7/8) very fine to fine grained, lower most 1-ft. very silty, dry		
		SW Gravelly sand - yellowish red (5YR 5/8) fine to medium grained, fine gravel, dry		
70		SW Gravelly sand - brownish yellow (10YR 6/8) fine to medium grained, fine to coarse gravel, sub angular to sub rounded, dry		
		SP Sand - brownish yellow (10YR 6/8) very fine to fine grained, dry		
		SP Sand - yellow (10YR 7/6) very fine grained, dry		
80		SP Sand - yellow (10YR 7/8) very fine grained, dry		
		SP Sand - yellow (10YR 7/8) very fine grained, dry		
		SP Sand - very pale brown (10YR 8/3) very fine grained, dry		
		SP Sand - yellowish brown (10YR 5/8) very fine grained, dry		
90				Bentonite Plug
				Sand Pack



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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravelly sand - yellow (10YR 7/6) fine grained, dry		Screened Interval
		SW Gravelly sand - yellow (10YR 7/8) fine to medium grained, fine to coarse gravel, A/A, dry		
100		SW Gravelly sand - yellow (10YR 7/6) fine to medium grained, fine to medium sub angular to sub rounded gravel, dry		
		SW Gravelly sand - yellow (10YR 7/6) fine to medium grained, fine to coarse gravel, A/A, moist		
110		GW Gravel - yellow (10YR 7/6) fine to medium gravel, sub angular to sub rounded, fine grained sand, moist		
		End of Log		
120				