



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-202B

TOTAL DEPTH: 136 ft.

## PROJECT INFORMATION

PROJECT: DDMT - Main Installation, New Plume Wells

PROJECT NO.: 3202-019

SITE LOCATION: MI

PROJECT MANAGER: T. Holmes

FIELD STAFF: D. Whitesides

BOREHOLE STARTED: 8/21/2006 11:15:00 AM

BOREHOLE FINISHED: 8/22/2006

## DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: A. Marshall

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 299.74 (ft, msl)

WATER DEPTH/ DATE: 123.82 ft.toc - 8/24/06

BOREHOLE USE: Monitoring Well

## NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>Gravel</b>		Grouted Annulus
		<b>CL</b> Clay - dark yellowish brown (10YR 4/6) massive, plastic, moist		
		<b>CL</b> Clay - gray (10YR 6/1) massive, plastic		
10		<b>CL</b> Clay - dark yellowish brown (10YR 4/4) massive, very plastic, moist		
20		<b>CL</b> Clay - dark yellowish brown (10YR 4/4) massive, very plastic, moist		
30		<b>CL</b> Clay - gray (10YR 6/2) massive, very plastic, mottled, occasional dark reddish brown oxidation zones		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Clay - yellowish brown (10YR 5/8) sandy		
		<b>SC</b> Sand - dark reddish brown (2.5YR 3/4) clayey, fine grain, moist		
		<b>SP</b> Sand - yellowish brown (2.5YR 7/8) fine grain, moist		
40		<b>SP</b> Sand - white (2.5YR 8/1) fine grain, moist		
		<b>SP</b> Sand - yellowish brown (10YR 5/8) fine grain, cobbles to 1-in., moist		
		<b>SP</b> Sand - red (2.5YR 4/6) fine grain, moist		
		<b>SP</b> Sand – white (2.5YR8/1) fine grain		
50		<b>SP</b> Sand – white (2.5YR8/1) gravelly, fine grain		
		<b>SP</b> Sand – yellow (105YR7/8) gravelly, fine grain		
60		<b>SP</b> Sand – white (2.5YR8/1) fine grain		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SP</b> Sand - light gray (10YR 7/1) gravelly, cobbles to 1- in.,		
		<b>SP</b> Sand - brownish yellow (10YR 6/8) fine grained, moist		
		<b>SP</b> Sand – strong brown (7.5YR5/6), fine grain, cobbles to 2-in., gravel up to 50%		
70				
		<b>SM</b> Sand – yellowish red (5YR4/6), silty, fine grain		
80				
		<b>GW</b> Gravel – yellow (10 YR7/8) sandy		
		<b>SA</b> Sandstone, cemented, very hard		
		<b>SW</b> Sand - yellowish brown (10YR 5/6) gravelly		
		<b>GP</b> Gravel - sandy silty, dry		
		<b>CL</b> Clay - brownish yellow (10YR 6/8) massive, plastic,		
90				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Clay - light gray (10YR 7/1) massive, hard, plastic,		
		<b>CL</b> Clay - dark gray (10YR 4/1) massive, hard,		
		<b>CL</b> Clay - dark gray (10YR 4/1) massive, hard, dry		
100		<b>SP</b> Sand - light gray (10YR 7/1) very fine grained, moist		
		<b>SC</b> Sand - light gray (10YR 7/1) clayey, very fine grained, moist		
110		<b>CL</b> Clay - light gray (10YR 7/1) very plastic, sandy		Bentonite Plug
		<b>SP</b> Sand - white (10YR 8/1) fine to very fine grained,		
		<b>SP</b> Sand - white (10YR 8/1) fine grained, wet		
120				Sand Pack

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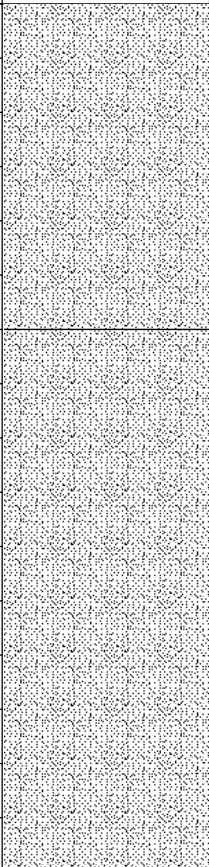
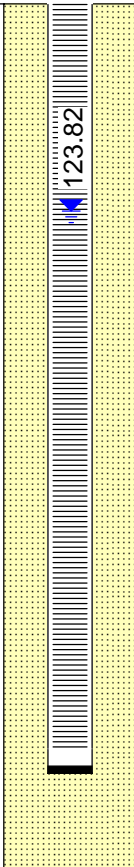




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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
130		<b>SP</b> Sand - white (10YR 8/1) fine grained, wet		Sand Pack  Screened Interval
140		End of Log		
150				

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