



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-202A

TOTAL DEPTH: 198 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: 8/16/2006 8:40:00 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: 299.69 (ft, msl)

WATER DEPTH/ DATE: 125.73 ft.toc - 8/24/06

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Gravel		Grouted Annulus
		No Recovery		
10		CL Clay - light gray (10YR 7/1) high plasticity, mottled brown gray, moist		
20		CL Clay - light gray (10YR 7/1) high plasticity, mottled brown gray, moist		
30		CL Clay - light gray (2.5YR 7/1) high plasticity, sandy,		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CL Sand - red (7.5YR 5/6) silty, fine grained, moist		
		SM Sand - red (7.5YR 5/6) silty, fine grained, moist		
		SM Sand - red (7.5YR 5/6) silty, fine grained, moist		
40		SP Sand - light yellowish brown (10YR 6/4) medium to fine, round, quartz, dry		
		SP Sand - very pale brown (10YR 8/3) medium, sub rounded to rounded, quartz, minor gravel, dry		
		SP Sand - yellowish brown (7.5YR 6/6) medium, sub rounded to rounded, quartz, minor gravel, dry		
50		SP Sand - light gray (2.5YR 7/1) silty, medium to fine, dry		
		SM Sand - light gray (2.5YR 7/1) silty, medium to fine, dry		
60				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SP Sand - strong brown to reddish yellow (7.5YR 4/6) to (7.5YR 7/8) gravelly up to 25%, fine coarse grained, cobbles up to 4-in., moist		
		SW Sand - strong brown to reddish yellow (7.5YR 4/6) to (7.5YR 7/8) gravelly up to 25%, fine coarse grained, cobbles up to 4-in., moist		
70		SW Sand - dark yellowish brown (10YR 4/4) silty, gravelly, fine to coarse, moist		
80		SP Sand - olive brown (2.5YR 4/3) silty, gravelly, fine to coarse, moist		
		No Recovery		
		CL Clay - strong brown (7.5YR 4/6) massive, dry		
90				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CL Clay - dark grey (2.5Y 4/1) massive, very plastic dry		
		CL Clay - dark grey (2.5Y 4/1) massive, very plastic dry		
100		CL Clay - dark grey (2.5Y 4/1) massive, very plastic dry		
		CL Sand - white (gleY 8/) to yellowish red (5YR5/8) fine grained, moist		
110		SP Sand - white (gleY 8/) to yellowish red (5YR5/8) fine grained, moist		
		SP Sand - white (gleY 8/) to yellowish red (5YR5/8) fine grained, moist		
120				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
130		SP Sand - white (5YR 8/1) fine grained, wet		
140		SP Sand - white (5YR 8/1) fine grained, wet		
150		SP Sand - white (5YR 8/1) fine grained, wet		

125.73

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
160		SP Sand - white (5YR 8/1) fine grained, wet		Bentonite Plug
170		SP Sand - white (5YR 8/1) fine grained, wet		
		SP Sand - reddish brown (2.5YR 4/3) fine grained, wet		
180		SM Sand - black (5YR 2.5/1) silty, coarse to fine grained,		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
190		SP Sand - reddish brown (2.5YR 4/3) fine grained,		Screened Interval
		SP Sand - white (2.5YR 8/1)		
		SP Sand - reddish yellow (7.5YR 6/8) fine grained, clay stringers, wet		
		CL Clay - light gray (7.5YR 7/1) massive, plastic with sand stringers, fine grained sand		Sand Pack
		CL Clay - gray (7.5YR 6/1) massive, very plastic, wet		
200		End of Log		Bentonite Backfill
210				

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