



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-213

TOTAL DEPTH: 106 ft.

PROJECT INFORMATION

PROJECT: Phase 2 Wells and April LTM Report

PROJECT NO.: 3202-019

SITE LOCATION: MI

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Anstaett

BOREHOLE STARTED: 4/5/2007 13:00

BOREHOLE FINISHED: 4/5/2007 16:35

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 294.12 (ft, msl)

WATER DEPTH/ DATE: 92.12-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Gravel		Grouted Annulus
		CL Clay - dark yellowish brown 10YR (4/4), medium plasticity, moist.		
10				
20		CL Silty clay - strong brown 7.5YR (5/6), low plasticity, moist.		
30		CL Sandy clay - yellowish red 5YR (4/6), with gray mottling, fine grained sand, trace sub-rounded gravel, moist.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravely sand - yellowish red 5YR (5/8), with some clay, fine to coarse grained sand, sub-rounded gravel, well graded, moist.		
40		SW Gravely sand - reddish yellow 7.5YR (6/8), fine to coarse grained sand, sub-rounded gravel, well graded, moist.		
50		SW Gravely sand - brown 7.5YR (5/4), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		
60		SW Gravely sand - yellowish red 5YR (5/8), trace cobbles, fine to coarse grained sand, sub-rounded to sub-angular gravel, sub-rounded cobbles, well graded, wet.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
70		SW Gravely sand - reddish yellow 5YR (6/8), with trace cobbles, fine to coarse grained sand, sub-rounded to sub-angular gravel, sub-rounded cobbles, well graded, wet.		Bentonite Plug
80		SW Gravely sand - yellowish red 5YR (5/8), fine to coarse grained sand, sub-rounded gravel, well graded, wet.		Sand Pack
		SP Silty sand - reddish yellow 7.5YR (6/8), fine grained sand, poorly graded, wet.		Screened Interval
90		SP Silty sand - very pale brown 10YR (8/4), fine grained sand, poorly graded, wet.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravely sand - reddish yellow 7.5YR (6/8), fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
		CL Clay - dark gray 10YR (4/1), medium plasticity, moist.		
100		CL Clay - dark gray 10YR (4/1), medium plasticity, moist.		
110		End of Log		
120				

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