



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-205B

TOTAL DEPTH: 116.5 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: 4/10/2007 15:20

BOREHOLE FINISHED: 4/11/2007 09:50

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 292.04 (ft, msl)

WATER DEPTH/ DATE: 94.44-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Gravel and crushed stone		Grouted Annulus
10		CL Silty clay - strong brown 7.5YR (4/6), low plasticity, moist.		
20		CL Silty clay - dark yellowish brown 10YR (4/4), medium plasticity, moist.		
30		CL Sandy clay - red 2.5YR (4/6), trace gravel, fine grained sand, low plasticity, sub-rounded to sub-angular gravel, moist.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Clayey sand - yellowish red 5YR (5/6), with gravel, fine grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
		SW Clayey sand - yellowish red 5YR (5/6), with gravel, fine grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
40		SP Silty sand - reddish yellow 5YR (6/8), fine grained sand, poorly graded, moist.		
		ML Silt - pinkish white 5YR (8/2), possible silt stone, dry.		
50		ML Silt - brownish yellow 10YR (6/6), little sand, coarse grained sand, possible silt stone, dry.		
		ML Silt - brownish yellow 10YR (6/6), little sand, coarse grained sand, possible silt stone, dry.		
60				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravely sand - reddish yellow 7.5YR (7/8), fine to medium grained sand, with silt, sub-rounded to sub-angular gravel, well graded, moist.		
		SW Gravely sand - reddish yellow 5YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
		SW Gravely sand - reddish yellow 5YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
70		ML Silt - very pale brown 10YR (8/3), poorly graded, moist.		
		SW Sand - yellowish brown 10YR (5/6), fine to coarse grained sand, poorly graded, moist.		
		SW Gravely sand - reddish yellow 7.5YR (6/6), with little clay, fine to coarse grained sand, sub-rounded gravel, well graded, moist.		
80		SP Silty sand - very pale brown 10YR (8/3), fine to coarse grained sand, poorly graded, moist.		
		SW Silty sand - yellow 10YR (7/6), with gravel, fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
90		SW Silty sand - yellow 10YR (7/6), with gravel, fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		Bentonite Plug

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
			<p>94.44- ft.</p>	Sand Pack
100		SW Gravely sand - very pale brown 10YR (8/2), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		Screened Interval
		SW Gravely sand - gray yellowish brown 10YR (4/6), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		
110		SW Gravely sand - reddish yellow 5YR (5/8), with cobbles, fine to coarse grained sand, sub-rounded to sub-angular gravel, conglomerate, sub-rounded cobbles, wet.		
120		End of Log		

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