



## FIELD BOREHOLE LOG

BOREHOLE NO.: MW-206A

TOTAL DEPTH: 156 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: 3/24/2007 11:25

BOREHOLE FINISHED: 3/24/2007 16:45

### DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 300.35 (ft, msl)

WATER DEPTH/ DATE: 103.49-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

### NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Gravel, crushed stone.		Grouted Annulus
		<b>CL</b> Silty clay - dark yellowish brown 10YR (4/6), medium plasticity, moist.		
10		<b>CL</b> Silty clay - dark gray 5Y (4/1), medium plasticity, moist.		
20		<b>CL</b> Clay - dark yellowish brown 10YR (4/6), high plasticity, moist.		
30		<b>CL</b> Silty clay - strong brown 7.5YR (5/8), low plasticity, moist.		

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		<b>CL</b> Sandy clay - red 2.7YR (4/6), low plasticity, fine grained sand, moist.			
		<b>CL</b> Sandy clay - dark red 2.5YR (3/6), low plasticity, fine grained sand, moist.			
40					
		<b>SP</b> Sand - yellowish red 5YR (4/6), trace gravel, fine grained sand, poorly graded, moist.			
		<b>SP</b> Sand - yellowish red 5YR (5/8), trace gravel, fine grained sand, poorly graded, moist.			
50					
		<b>SP</b> Silty sand - reddish yellow 7.5YR (7/8), fine grained sand, poorly graded, dry.			
		<b>SP</b> Sand - yellow 5YR (6/8), with trace gravel, fine grained sand, sub-rounded gravel, poorly graded, dry.			
60					

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SW</b> Gravely sand - reddish yellow 7.5YR (7/8), fine to coarse grained sand, sub-rounded gravel, well graded, dry.		
		<b>SW</b> Silty sand - pink 7.5YR (8/4), with some gravel, fine to coarse grained sand, sub-rounded gravel, well graded, dry.		
70		<b>SW</b> Gravely sand - reddish yellow 5YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, dry.		
		<b>SW</b> Gravely sand - brownish yellow 10YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, moist.		
80				
		<b>SW</b> Gravely sand - brownish yellow 10YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
90				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SW</b> Silty sand - reddish yellow 7.5YR (7/8), fine grained sand, poorly graded moist.		
		<b>MH</b> Gravely silt - light gray 7.5YR (7/1), possible silt stone, sub-rounded gravel, dry.		
100		<b>SP</b> Silty sand - reddish yellow 7.5YR (8/6), fine grained sand, poorly graded, moist.		
		<b>SW</b> Gravely sand - yellowish brown 10YR (5/8), fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
110		<b>SW</b> Gravely sand - brownish yellow 10YR (6/8), fine to coarse grained sand, sub-rounded to sub angular gravel, well graded, wet.		
		<b>SW</b> Gravely sand - yellow 10YR (7/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		
120				Bentonite Plug

103.49- ft.

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
130		<b>SW</b> Gravelly sand - yellowish red 5YR (4/6), fine to coarse grained sand, sub-angular to sub-rounded gravel, well graded, wet.		Sand Pack
140		<b>SP</b> Silty sand - yellow 10YR (7/8), with little gravel, fine grained sand, sub-rounded gravel, poorly graded, wet.		Screened Interval
150		<b>CH</b> Clay - gray 5YR (5/1), high plasticity, moist.		
		<b>CH</b> Clay - gray 5YR (5/1), high plasticity, moist.		

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