



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-211

TOTAL DEPTH: 186 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: 3/19/2007 07:30

BOREHOLE FINISHED: 3/21/2007 10:45

## DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 304.09 (ft, msl)

WATER DEPTH/ DATE: 109.01-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

## NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>Soil and roots</b>		Grouted Annulus
		<b>CL</b> Silty clay - dark yellowish brown 10YR (3/4), medium plasticity, moist.		
10				
		<b>CL</b> Sandy clay - brownish yellow 10YR (6/6), with silt, low plasticity, fine grained sand, moist.		
20				
		<b>CL</b> Sandy clay - yellowish red 5YR (5/6), with silt, low plasticity, fine grained sand, moist.		
30				

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		<b>CL</b> Sandy clay - red 10R (4/8), with some silt, gray mottling, low plasticity, fine grained sand, moist.		
		<b>SP</b> Clayey sand - reddish yellow 5YR (7/8), fine grained sand, poorly graded, moist.		
		<b>SP</b> Clayey sand - yellow 5YR (7/8), fine grained sand, poorly graded, moist.		
40		<b>SW</b> Sand with some gravel - yellow 10YR (7/8), fine to coarse grained sand, sub-rounded gravel, well graded, dry.		
50		<b>SW</b> Silty sand - yellow 10YR (8/8), some gravel, fine to medium grained sand, sub-rounded to sub-angular gravel, well graded, dry.		
60		<b>SW</b> Gravely sand with some silt - reddish yellow 7.5YR (6/8), fine to medium grained sand, sub-rounded to sub-angular gravel, well graded, dry.		

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**TOTAL DEPTH: 186 ft.**

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SP</b> Sand - white 7.5YR (8/1), fine grained, poorly graded, wet.		
		<b>SM</b> Sand - very pale brown 10YR (8/4), with some silt, fine grained sand, poorly graded, wet.		
130		<b>SM</b> Sand - pale yellow 2.5Y (8/2), with some silt, fine grained sand, poorly graded, wet.		
140		<b>SM</b> Sand - pale yellow 2.5Y (8/2), with some silt, fine grained sand, poorly graded, wet.		
150		<b>SM</b> Sand - pale yellow 2.5Y (8/2), with some silt, fine grained sand, poorly graded, wet.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
160		<b>SM</b> Sand - pink 7.5YR (8/4), with some silt, fine grained sand, poorly graded, wet.		Bentonite Plug
170		<b>SM</b> Sand - very pale brown 10YR (8/4), with some silt, fine grained sand, poorly graded, wet.		Sand Pack
180		<b>SM</b> Sand - very pale brown 10YR (8/4), with some silt, fine grained sand, poorly graded, wet.		Screened Interval

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Clay - gray 2.5Y (5/1), medium plasticity, moist.		
190		End of Log		
200				
210				

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