



## FIELD BOREHOLE LOG

BOREHOLE NO.: MW-203B

TOTAL DEPTH: 110 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: 4/16/2007 14:25

BOREHOLE FINISHED: 4/17/2007 08:50

### DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 290.75 (ft, msl)

WATER DEPTH/ DATE: 91.72-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

### NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
10		<b>CL</b> Silty clay - dark yellowish brown 10YR (3/6), medium plasticity, moist.		Grouted Annulus
20		<b>CH</b> Silty clay - dark yellowish brown 10YR (3/4), trace sand, medium plasticity, fine to medium grained sand, moist.		
30		<b>CL</b> Clayey sand - red 2.5YR (4/8), with gravel, gray mottling, fine to medium grained sand, sub-rounded to sub-angular gravel, well graded, moist.		

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PAGE: 1 of 4



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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SP</b> Silty sand - yellowish red 5YR (5/8), with gravel, fine grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.		
		<b>SP</b> Silty sand - reddish yellow 7.5YR 6/8), fine grained sand, with trace medium to coarse grained sand, poorly graded, moist.		
40				
		<b>SM</b> Sandy Silt - yellow 10YR (8/6), coarse grained sand, possible silt stone, dry.		
		<b>SM</b> Sandy Silt - yellow 10YR (8/6), coarse grained sand, possible silt stone, dry.		
50				
		<b>SP</b> Silty sand - reddish yellow 7.5YR (6/8), with some gravel, fine grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.		
		<b>SP</b> Silty sand - reddish yellow 7.5YR (6/8), with trace gravel, fine grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.		
60				

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PAGE: 2 of 4



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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
70		<b>SP</b> Silty sand - very pale brown 10YR (8/4), fine grained sand, poorly graded, dry.		
		<b>SW</b> Gravely sand - reddish yellow 5YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
		<b>SW</b> Gravely sand - dark reddish brown 5YR (3/4), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded wet.		
		<b>SP</b> Silty sand - white 5YR (8/1), fine grained sand, poorly graded, possible silt stone, dry.		
80		<b>MH</b> Silt - light gray 5Y (7/1), with some sand, possible silt stone, dry.		Bentonite Plug
		<b>SP</b> Silty sand - very dark gray 5YR (3/1), fine grained sand, poorly graded, possible sand stone, dry.		
90				

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PAGE: 3 of 4



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Depth	Soil Symbol	Soil Description	Well Cor. letion	Well Description
		<b>SP</b> Sand - yellowish red 5YR (5/8), fine grained sand, trace coarse grained sand, poorly graded, moist.		Sand Pack  Screened Interval
		<b>SP</b> Silty sand - very pale brown 10 YR (8/4), fine grained sand, trace gravel, sub-rounded gravel, poorly graded, wet.		
		<b>SW</b> Gravely sand - strong brown 7.5YR (5/8), trace cobbles, fine to coarse grained sand, sub-rounded gravel and cobbles, well graded, wet.		
100		<b>SW</b> Sand - pink 7.5YR (7/4), with some gravel, fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
		<b>SW</b> Gravely sand - strong brown 7.5YR (4/6), fine to coarse grained sand, sub-rounded gravel, well graded solid conglomerate rock, moist.		
		<b>SP</b> Sand - yellowish red 5YR (4/6), trace gravel, fine to coarse grained sand, sub-rounded gravel, poorly graded, wet.		
		<b>SW</b> Gravely sand - yellowish red 5YR (4/6), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		
110		End of Log		
120				

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PAGE: 4 of 4