



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-217

TOTAL DEPTH: 126 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: 4/20/2007 11:30

BOREHOLE FINISHED: 4/20/2007 16:50

## DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic


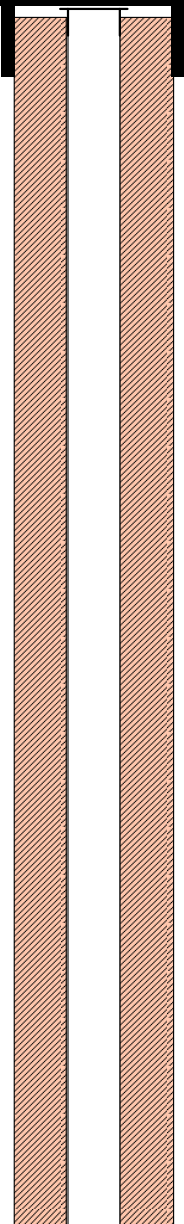





BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 304.51 (ft, msl)

WATER DEPTH/ DATE: 108-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

## NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Grass and roots.		Grouted Annulus
		CL Silty clay - brown 7.5YR (4/4), low plasticity, moist.		
10		CL Silty clay - dark gray 7.5YR (4/1), low plasticity, moist.		
20		CL Silty clay - dark gray 7.5YR (4/1), low plasticity, moist.		
		CL Silty clay - brown 7.5YR (4/4), low plasticity, moist.		
		CL Silty clay - brown 7.5YR (4/4), low plasticity, moist.		
30				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Silty clay - yellowish red 5YR (4/6), low plasticity, moist.		
		<b>CL</b> Sandy clay - dark red 5R (3/6), gray mottling, low plasticity, fine grained sand, moist.		
40		<b>SW</b> Clayey sand - yellowish red 5YR (4/6), few gravel, fine grained sand with few coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
50		<b>SP</b> Clayey sand - yellowish red 5YR (5/8), few gravel, fine grained sand with trace coarse grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.		
60		<b>SP</b> Clayey sand - yellowish red 5YR (5/8), few gravel, fine grained sand with trace coarse grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>MH</b> Silt - light red 10R (6/6), some sand, possible silt stone, coarse grained sand, dry.		
		<b>SP</b> Sand - yellowish red 5YR (5/8), trace gravel, fine grained sand with trace coarse grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.		
70				
		<b>SW</b> Gravely sand - reddish yellow 7.5YR (6/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
		<b>SW</b> Gravely sand - reddish yellow 7.5YR (7/6), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, moist.		
80		<b>SP</b> Silty sand - reddish yellow 7.5YR (6/8), fine grained sand, poorly graded, wet.		
		<b>CH</b> Clay - light gray 2.5Y (7/2), brown mottling, medium plasticity, moist.		
		<b>CH</b> Clay - light gray 2.5Y (7/2), medium plasticity, moist.		
		<b>CL</b> Silty clay - yellowish brown 10YR (5/8), medium plasticity, moist.		
90				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>SP</b> Silty sand - brownish yellow 10YR (6/8), fine grained sand, poorly graded, dry.		Bentonite Plug
		<b>SP</b> Silty sand - very pale brown 10YR(8/4), possible silt stone, fine grained sand, poorly graded, dry.		
		<b>SP</b> Silty sand - yellow 10YR (7/8), fine grained sand, poorly graded, moist.		
		<b>SP</b> Silty sand - reddish yellow 10YR (6/8), fine grained sand, poorly graded, moist.		
100				Sand Pack
		<b>MH</b> Silt - gray 7.5YR (5/1), few sand, fine grained sand, dry.		
		<b>SP</b> Silty sand - reddish yellow 7.5YR (6/8), fine grained sand, poorly graded, moist.		Screened Interval
		<b>SW</b> Gravely sand - strong brown 7.5YR (4/6), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		
110		<b>CH</b> Clay - light gray 10YR (7/1), brown mottling, medium plasticity, moist.		
		<b>SW</b> Gravely sand - strong brown 7.5YR (4/6), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.		
		<b>CL</b> Clay - dark gray 2.5Y (4/1), medium plasticity, hard, moist.		
120				

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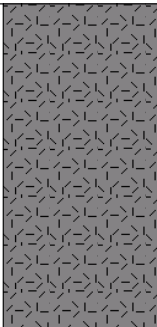

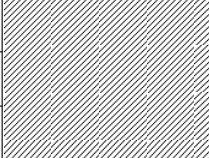
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		<b>ML</b> Clayey silt - gray 2.5Y (5/1), moist.		
		<b>CL</b> Clay - dark gray 2.5Y (4/1), medium plasticity, hard, moist.		
130		End of Log		
140				
150				

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