



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-216

TOTAL DEPTH: 127 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: 4/11/2007 15:00

BOREHOLE FINISHED: 4/16/2007 08:50

## DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 297.63 (ft, msl)

WATER DEPTH/ DATE: 96.6-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

## NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>Gravel and crushed stone</b>		Grouted Annulus
		<b>CH</b> Silty clay - dark yellowish brown 10YR (4/4), medium plasticity, moist.		
10		<b>CL</b> Silty clay - yellowish brown 10YR (5/4), medium plasticity moist.		
20		<b>CL</b> Sandy clay - red 2.5YR (4/6), with gray mottling, medium plasticity, fine grained sand, moist.		
		<b>CL</b> Sandy clay - red 2.5YR (4/6), with gray mottling, medium plasticity, fine grained sand, moist.		Grouted Annulus
30		<b>CL</b> Sandy clay - red 2.5YR (4/6), with gray mottling, medium plasticity, fine grained sand, moist.		

Created By: WTR

Checked By: KMS



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-216

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion		Well Description
40		<b>SP</b> Clayey sand - dark red 10R(3/6), fine grained sand, poorly graded, moist.			
		<b>SW</b> Gravely sand - light red 2.5YR (6/8), fine to coarse grained sand, sub-rounded gravel, well graded, moist.			
		<b>SW</b> Gravely sand - red 2.5YR (4/6), fine to coarse grained sand, sub-rounded gravel, well graded, moist.			
50		<b>SP</b> Sand - red 5YR (5/8), fine grained sand poorly graded, moist.			
		<b>SP</b> Silty sand - very pale brown 10YR (8/3), fine grained sand poorly graded, moist.			
		<b>SW</b> Gravely sand - yellow 10YR (8/8), with some silt, fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, dry.			
		<b>SP</b> Silty sand - reddish yellow 7.5YR (7/8), with few gravel, fine grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.			
60					

Created By: WTR

Checked By: KMS



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-216

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
70		<p><b>SP</b> Silty sand - reddish yellow 7.5YR (7/8), with few gravel, fine grained sand, sub-rounded to sub-angular gravel, poorly graded, moist.</p>		
80		<p><b>SP</b> Silty sand - very pale brown 10YR (8/3), fine grained sand, poorly graded, moist.</p> <p><b>CH</b> Clay - pale red 10R (6/4), high plasticity, moist.</p> <p><b>SP</b> Silty sand - very pale brown 10YR (8/2), fine grained sand, poorly graded, moist.</p>		
90		<p><b>SW</b> Silty sand - very pale brown 10YR (7/4), fine to coarse grained sand, well graded, moist.</p>		

Created By: WTR

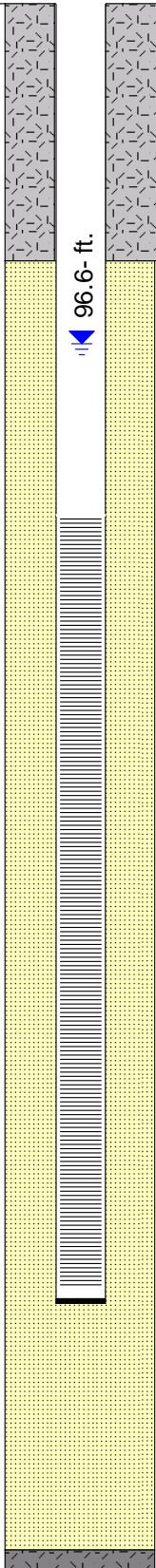
Checked By: KMS



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-216

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
				Bentonite Plug
		<b>SP</b> Silty sand - yellow 10YR (8/6), fine grained sand, trace coarse grained sand, poorly graded, wet.		Sand Pack
100		<b>CH</b> Clay - pale red 10R (7/4), medium plasticity, moist.		Screened Interval
		<b>SP</b> Silty sand - yellow 10YR (8/6), fine grained sand, trace coarse grained sand, poorly graded, wet.		
		<b>SW</b> Gravely sand - yellow 10YR (7/6), with few cobbles, fine to coarse grained sand, sub-rounded to sub-angular gravel and cobbles, well graded, wet.		
110		<b>CH</b> Silty clay - light gray 10YR (7/1), medium plasticity, moist.		
		<b>CL</b> Sandy clay - reddish yellow 7.5YR (6/8), fine to medium grained sand, low plasticity, moist.		
		<b>SW</b> Clayey sand - light yellowish brown 10YR (6/4), fine grained sand, poorly graded, wet.		
		<b>CH</b> Clay - reddish yellow 7.5YR (7/8), medium plasticity hard, moist.		
		<b>CL</b> Clay - reddish yellow 5YR (7/8), medium plasticity hard, moist.		
120				

Created By: WTR

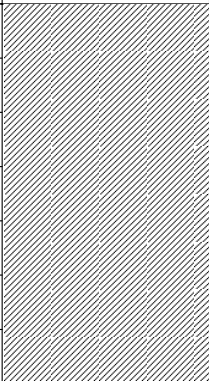
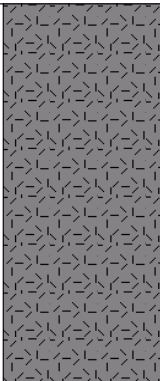
Checked By: KMS



## FIELD BOREHOLE LOG

BOREHOLE NO.: MW-216

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		<b>CL</b> Clay - gray 5Y (5/1), medium plasticity, hard, moist.		
130		End of Log		
140				
150				

Created By: WTR

Checked By: KMS

PAGE: 5 of 5