



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-215B

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: 3/9/2007 13:40

BOREHOLE FINISHED: 3/10/2007 14:50

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

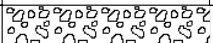
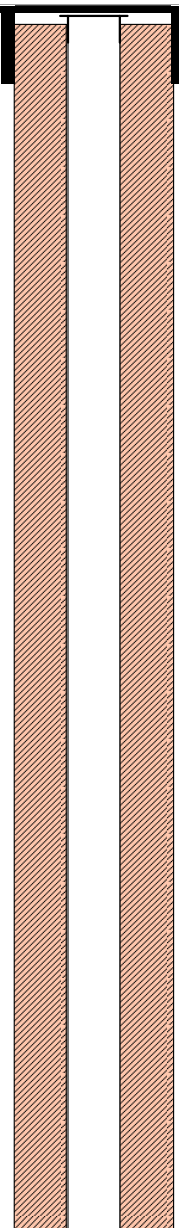




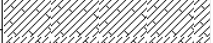
BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 304.98 (ft, msl)

WATER DEPTH/ DATE: 108.34-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

NOTES: Filled in to 123.5-ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Asphalt Asphalt and gravel		Grouted Annulus
		CL Silty clay - brown 7.5 YR (5/4) medium plasticity, moist.		
10		CL Silty clay - strong brown 7.5YR (5/8) hard plasticity, trace medium grained sand, moist.		
20		CL Silty clay - strong brown 7.5YR (5/8) with trace sand, hard plasticity, medium grained sand, moist.		
		CL Sandy clay - red 10YR (4/6) medium plasticity, fine grained sand, gray mottling, moist.		
30		SC Clayey sand - reddish yellow 5 YR (6/8) fine to medium grained sand, low plasticity, poorly graded, gray mottling, moist.		

Created By: WTR

Checked By: KMS



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-215B

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
40		SC Clayey sand - reddish yellow 5YR (6/8) fine to medium grained sand, low plasticity, poorly graded, moist.		
		SP Sand - very pale brown 10YR (8/4) fine to medium grained, poorly graded, dry.		
		SP Sand - pale yellow 2.5Y (8/4) fine grained, poorly graded, moist.		
		SP Sand - light gray 2Y (7/1) fine grained, poorly sorted, dry.		
50		SW Sand - brownish yellow 10YR (5/8) with some gravel and little clay, fine to medium grained sand, sub-rounded gravel, well graded, moist.		
		SP Sand - yellowish red 5YR (5/8) fine grained, poorly graded, dry.		
60				

Created By: WTR

Checked By: KMS



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-215B

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravely sand - strong brown 7.5YR (5/8) fine to coarse grained sand, sub-angular to sub-rounded gravel, trace clay, well graded, moist.		
		SM Silty sand with gravel - yellow 2.5YR (8/6) fine to medium grained sand, sub-angular to sub-rounded gravel, well graded, moist.		
		SW Sand - yellow 10YR (7/6) with little gravel, fine to coarse grained sand, sub-rounded gravel, well graded, moist.		
70		ML Silt with sand - light gray 2.5YR (7/1) fine to medium grained, well graded, dry.		
		SW Sand with some gravel - yellow 10YR (7/6) fine to coarse grained sand, sub-rounded gravel, well graded, moist.		
		SW Gravely sand - yellow 10YR (7/8) medium to coarse grained sand, sub-angular to sub-rounded gravel, well graded, moist.		
80		SC Clayey sand - pinkish gray 5YR (7/2) fine grained sand poorly graded, gray mottling, moist.		
		SC Clayey sand - pinkish gray 5Y (7/2) fine grained sand, poorly graded, gray mottling, wet.		
90				

Created By: WTR

Checked By: KMS



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-215B

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SP Sand - yellow 10YR (8/8) fine grained, poorly graded, wet.		Bentonite Plug
		SP Sand - grayish brown 10YR (5/2) fine grained, poorly graded, wet.		
100		SM Silty sand - brown 10YR (8/3) fine grained, poorly graded, dry.		Sand Pack
		SP Sand - yellowish brown 10YR (5/6), fine to coarse grained, poorly graded, wet.		
110		SM Silty sand - pale yellow 2.5Y (8/2), fine to medium grained, poorly graded, dry.		Screened Interval
		SW Gravely sand - yellow 2.5Y (8/6), fine to coarse grained sand, sub-angular to sub-rounded gravel, little clay, well graded, wet.		
120		SW Gravely sand - olive brown 2.5Y (5/6), fine to coarse grained sand, sub-angular to sub-rounded gravel, well graded, wet.		

Created By: WTR

Checked By: KMS



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-215B

TOTAL DEPTH: 127 ft.

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravely sand - yellow 10YR (8/6), fine to coarse grained sand, sub-angular to sub-rounded, some clay, well graded, wet.		
130		End of Log		
140				
150				

Created By: WTR

Checked By: KMS

PAGE: 5 of 5