



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-214A

TOTAL DEPTH: 147 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: 3/12/2007 08:00

BOREHOLE FINISHED: 3/2/2007 15:15

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic

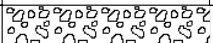
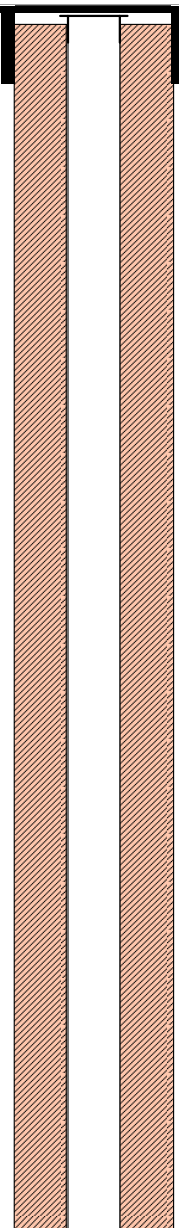




BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 303.96 (ft, msl)

WATER DEPTH/ DATE: 102.85-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		Asphalt Asphalt and gravel		Grouted Annulus
		CL Silty clay - brown 7.5YR 95/4), medium plasticity, moist.		
10		CL Silty clay - brown 7.5YR (5/4), with trace sand, fine grained, medium plasticity, moist.		
20		CL Sandy clay - red 2.5YR (4/8), fine grained, medium plasticity, grey mottling, moist.		
30		CL Sandy clay - red 2.5YR (4/8), fine grained, low plasticity, grey mottling, moist.		

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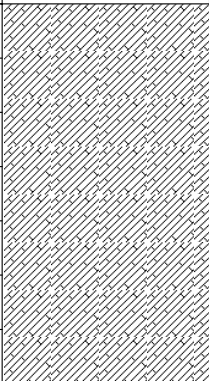
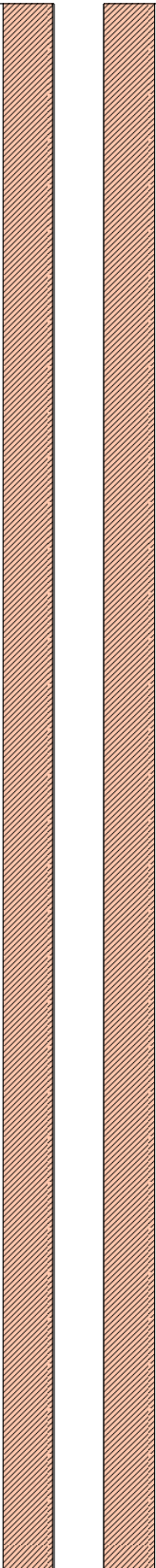

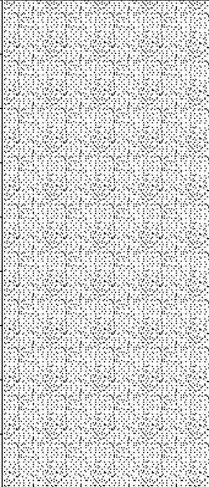
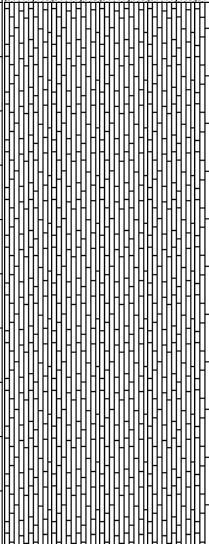
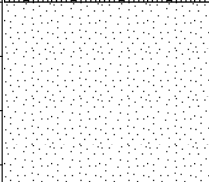
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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SC Clayey sand - light red 2.5YR (6/6), fine to medium grained, poorly graded, moist.		
		SC Clayey sand - light red 2.5YR (6/6), fine to medium grained, poorly graded, moist.		
40		SP Sand - yellow 10YR (8/8), with trace clay, fine to medium grained, poorly graded, moist.		
50		SM Silty sand - reddish yellow 7.5YR (7/8), with gravel, fine to coarse grained sand, sub-angular to sub-rounded gravel, well graded, dry.		
60		SW Gravely sand - reddish yellow 7.5YR (7/6), fine to coarse grained sand, sub-angular to sub-rounded gravel, well graded, dry.		

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		SM Silty sand - yellow 10YR (8/6), with trace gravel, fine to medium grained sand, sub-rounded to sub-angular gravel, well graded, dry.			
		SM Silty sand - yellow 10YR (8/6) with trace gravel, fine to medium grained sand, sub-rounded to sub-angular gravel, well graded, dry.			
70		SW Gravelly sand - yellowish red 5YR (5/6) medium to coarse grained sand, sub-angular to sub-rounded gravel, well graded, dry.			
		SW Gravelly sand - yellowish red 5YR (5/6) medium to coarse grained sand, sub-angular to sub-rounded gravel, well graded, wet.			
80		SW Gravelly sand - reddish yellow 5YR (7/6) with some cobbles, fine to medium grained sand, sub-angular to sub-rounded gravel, well graded, wet.			
		CL Sandy clay - pink 5YR (7/4) fine to medium grained sand, low plasticity, wet.			
90					

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Silty sand - reddish yellow 5YR (6/8) with some clay, fine grained sand, poorly graded, wet.		
100		SP Sand - reddish yellow 7.5YR (7/6) with little clay, find to medium grained, poorly graded, wet.		
		CL Clay - weak red 10R (4/4) medium plasticity, moist.		
		SP Sand - reddish yellow 7.5YR (8/6) with little clay, fine to medium grained, poorly graded, wet.		
110		SP Sand - pink 7.5YR (8/4) with little clay, fine to medium grained, poorly graded, wet.		Bentonite Plug
		SP Sand - pink 7.5YR (8/4) with little clay, fine to medium grained, poorly graded, wet.		Sand Pack
120				Screened Interval

102.85- ft.

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
				Screened Interval
130		SP Sand - pink 7.5YR (8/4) with trace clay, fine to medium grained, poorly graded, wet.		
140		CL Clay - grey 10YR (5/1) hard plasticity, moist.		
150		End of Log		

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