

BOREHOLE NO.: MW-209A TOTAL DEPTH: 210 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: 4/2/2007 08:15 BOREHOLE FINISHED: 4/2/2007 16:40

DRILLING INFORMATION

DRILLING CO.: Prosonic

DRILLER: J. Asua

DRILLING METHOD/RIG: Sonic BOREHOLE DIAMETER: 6-in.

GROUND SURFACE ELEVATION: 298.36 (ft, msl)

WATER DEPTH/ DATE: 103.73-ft. toc -5/4/07

BOREHOLE USE: Monitoring Well

NOTES:

Depth	Symbol	Soil Description	Well Completion	Well Description
_	Mos	Gravel and crushed stone.		
- - - - - 10-		CL Silty clay - brown 7.5YR (4/4), medium plasticity, moist.		Grouted Annulus
- - - -		CL Silty clay - brown 7.5YR (4/4), medium plasticity, moist.		
20- - - - - -		CL Silty clay - very pale brown 10R (7/4), with gray mottling, low plasticity, moist.		
- - - 30-		CL Sandy clay - red 10R (4/6), with gray mottling, fine grained sand, low plasticity, moist.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
-				
40-		SP Clayey sand - red 5YR (4/6), fine grained sand, poorly graded, moist.		
		SW Gravely sand - strong brown 7.5YR (5/8), fine to medium grained sand, sub-rounded gravel, trace clay, well graded, moist.		
50-		SP Clayey sand - red 2.5YR (5/8), fine grained sand, poorly graded, moist.		
-		SW Gravely sand - yellow 10YR (7/8), fine to coarse grained sand, sub-rounded to subangular gravel, well graded, moist.		
60-		SM Sandy Silt - light gray 10YR (7/1), fine grained sand, possible siltstone, dry.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
- - - -		SM Silty sand - reddish yellow 7.5YR (7/8), fine grained sand, poorly graded, dry. SW Gravely sand - reddish yellow 7.5YR (6/8), fine to coarse grained sand, sub-rounded gravel, well graded, dry.		
- - - 70-		SW Gravely sand - strong brown 7.5YR (5/8), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, dry.		
- - - -		MH Silt - light gray 7.5YR (7/1), dry. SW Gravely sand - yellow 10YR (7/6), with some		
- 80- - -		silt, fine to medium grained sand, sub- rounded to sub-angular gravel, well graded, dry.		
-		CL Sandy clay - pale red 10R (6/4), fine grained sand, medium plasticity, moist.		
- - - 90-		SW Gravely sand - yellowish brown 10YR (5/6), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, dry.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
-		SP		
100-		Silty sand - light red 2.5YR (6/6), with some clay, fine grained sand, poorly graded, moist. SP Silty sand - reddish yellow 7.5YR (7/8), fine grained sand, poorly graded, moist.	ft.	
- - - -		SP Silty sand - yellow 10YR (7/8), with little gravel, fine to medium grained sand, subrounded gravel, poorly graded, wet.	₁ <mark> 103.73- ft.</mark>	
- 110 – - - -				
-		SP Silty sand - yellow 10YR (7/8), with little gravel, fine to medium grained sand, subrounded gravel, poorly graded, wet.		
120-				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Gravely sand - yellowish brown 10YR (5/6), fine to coarse grained sand, rounded to subrounded gravel, well graded, wet.		
130-		SW Gravely sand - pinkish gray 7.5YR (7/2), fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
		SW Gravely sand - yellowish red 5YR (5/8), with trace cobbles, fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
140-		SW Gravely sand - yellowish red 5YR (5/8), with trace cobbles, fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
-		ML Clayey Silt - light gray 10YR (7/1), wet.		
-0.00		SW Gravely sand - yellowish brown 10YR (5/8), fine to coarse grained sand, sub-rounded gravel, well graded, wet.		
150				

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- - -		SW Gravely sand - pinkish gray 7.5YR (7/2), fine to coarse grained sand, sub-rounded to sub-angular gravel, well graded, wet.			
- - - 160-		SP Silty sand - light gray 7.5YR (7/1), trace clay, fine grained sand, poorly graded, wet.			
- - - - 170-		SP Silty sand - light gray 7.5YR (7/1), trace clay, fine grained sand, poorly graded, wet.			
- - - - - - 180-		CH Silty clay - pale yellow 2.5Y (7/3), high plasticity, moist.		Bentonite Plug	

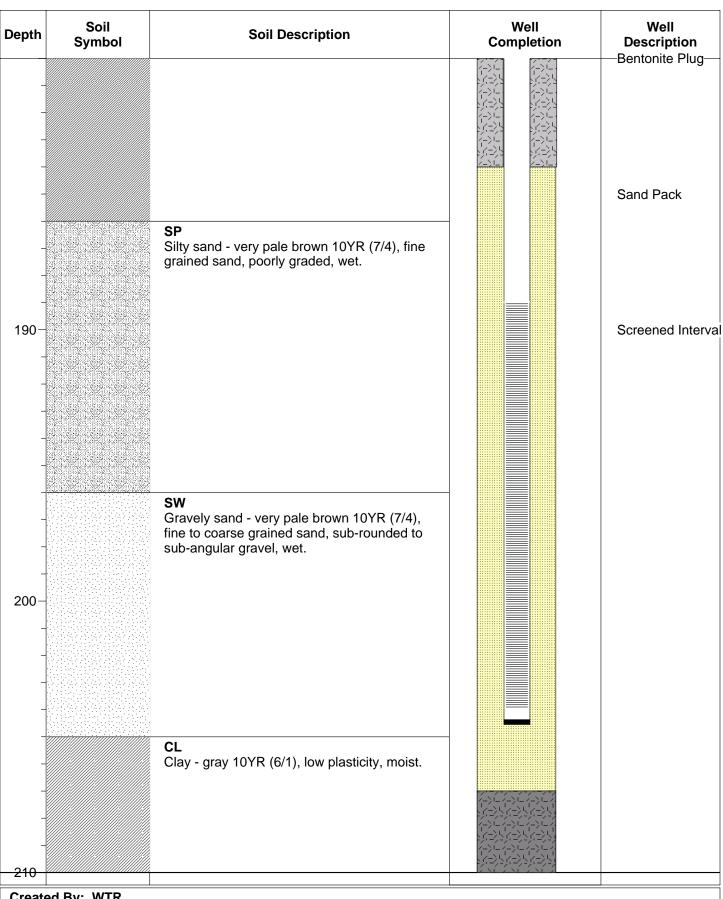
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