



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-229

TOTAL DEPTH: 210

PROJECT INFORMATION

PROJECT: FOST-4
 PROJECT NO.: 3202-031
 SITE LOCATION: DF
 PROJECT MANAGER: T. Holmes
 FIELD STAFF: E. Van Schaik
 BOREHOLE STARTED: 7/31/07 09:55
 BOREHOLE FINISHED: 8/1/2007 13:30

DRILLING INFORMATION

DRILLING CO.: Boart Longyear
 DRILLER: K. Smith
 DRILLING METHOD/RIG: Sonic
 BOREHOLE DIAMETER: 6"
 GROUND SURFACE ELEVATION: 311.99
 WATER DEPTH/ DATE: 160.83 ft. bgs 9/27/2007
 BOREHOLE USE: Monitoring Well

NOTES:

Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CL Silty clay - brown 7.5YR (4/4), crumbly, some gravel, low plasticity, dry.		Grouted Annulus
		CH Clay - reddish brown 5YR (4/4), medium to high plasticity, soft, dry.		
10		CL Clay - yellowish red 5YR (4/6), medium plasticity, soft, dry.		
20		CL Sandy Clay - yellowish red 5YR (5/6), medium plasticity, soft, dry.		
30				

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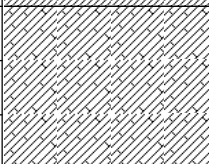
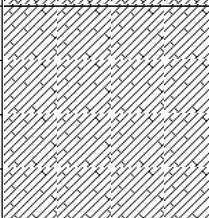
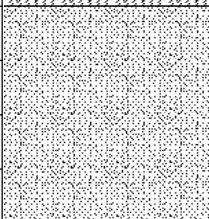

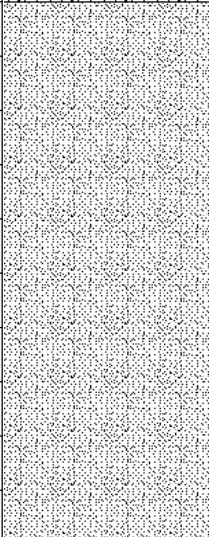
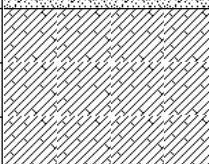
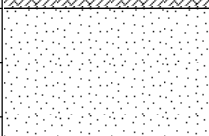

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CL Sandy Clay - red 2.5YR (4/8), low plasticity, soft, dry.		
		SC Clayey sand - red 2.5YR (4/6), dry.		
		SC Clayey sand - red 2.5YR (4/8), dry.		
40		SP Sand - yellowish red 5YR (5/8), very fine grained, clayey, dry.		
		SP Sand - red 2.5YR (5/8), fine grained, dry.		
		SP Sand - red 2.5YR (4/8), very fine to fine grained, trace clay, dry.		
50		SC Clayey sand - dark red 2.5YR (3/6), very fine grained, dry.		
60		SW Gravelly sand - reddish yellow 5YR (6/8), fine grained, medium to coarse subangular to subrounded gravel, dry.		

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
70		SW Gravelly sand - yellowish red 5YR (5/8), fine grained, medium to coarse subangular to subrounded gravel, some extremely coarse gravel, silty, dry.			
		ML Clayey silt - dark reddish brown 5YR (3/4), very fine to fine grained sand, moist.			
80		SW Gravelly sand - yellowish red 5YR (5/8), fine grained, medium to coarse gravel, moist.			
		No Recovery No Recovery			
90					

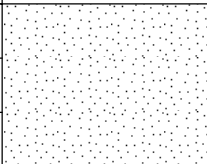


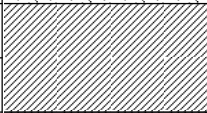
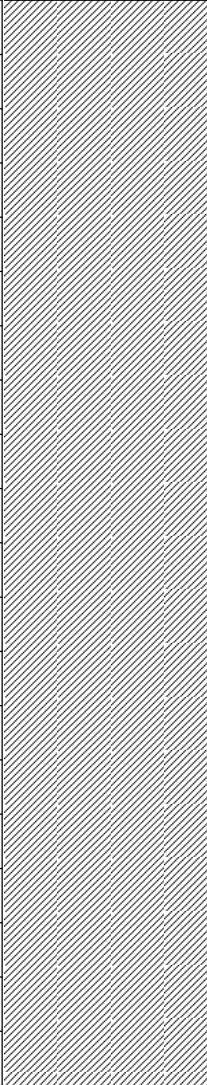
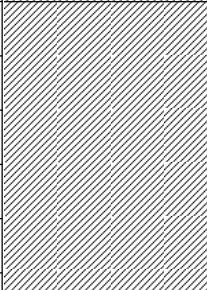
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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
		SW Sand - yellow 10YR (7/6), fine grained, medium to very coarse gravel, subrounded, moist.			
		CL Clay - grey 10YR (5/1), low plasticity, moist.			
		CL Clay - grey 10YR (5/1), low plasticity, hard, moist.			
100					
		CL Clay - grey 10YR (5/1), low plasticity, hard, moist.			
110					
120					

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Depth	Soil Symbol	Soil Description	Well Completion		Well Description
130		CL Clay - grey 10YR (5/1), low plasticity, hard, trace lignite,moist.			
140		CL Clay - grey 10YR (5/1), low plasticity, hard, trace lignite,moist.			
150		CL Clay - grey 10YR (5/1), low plasticity, hard, trace lignite,moist.			

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		CL Sandy Clay - grey 10YR (5/1), medium plasticity, very fine grained sand, moist.		Bentonite Plug
		SP Sand - grey 10YR (5/1), very fine grained, clayey, moist.		
		SP Sand - grey 10YR (5/1), poorly sorted, some clay, moist.		Sand Pack
190				
		SP Sand - grey 10YR (5/1), very fine grained, little to no clay, moist.		Screened Interval
200				
210				

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