

Borehole Log: MW-11-A

Project No: [REDACTED]

Project: 137 Frank Trail, Yukon, BC

Client: Suncor Energy Products Partnership

Logged By: [REDACTED]

SUBSURFACE PROFILE				SAMPLE					Well Completion Details
Depth	Symbol	Description	Blow count/ft.	Sample No.	% Recovery	Duplicate	Type	Vapour ppm 200 600 1000 1400 1800	
0		Ground Surface							
0		Sand and Gravel Fine to coarse sand, some cobbles, brown, loose, moist		1			G x		
1				2			G x		
2				3			G x		
3		Hydrocarbon-like (HC) odour. Hydrovac to 1.8 m bgs							
4									
5									
6		Sand and Gravel Fine to coarse sand, some cobbles, dark grey, loose, moist, trace wood debris	64	A-1	5		x		
7									
8									
9			28	A-2	40		x		
10		Sand and Gravel Fine to coarse sand, some cobbles, brown, loose, dry							
11									
12									
13									
14			19	A-3	20		x		
15									
16									
17									
18									
19			78	A-4	60	DUP4	x		
20									
21									
22									
23			117	A-5	5				
24									

Drilled By: Redde Pressure Test Ltd. and Geotech Drilling Services Ltd.

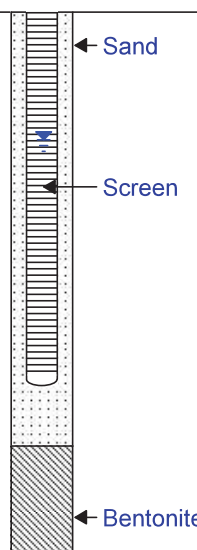
Drill Method: Hydrovac and ODEX/ Air Rotary- Split-Spoon Samples

Drill Date: March 07-09, 2011

Hole Diameter: 4" (ODEX) -12"

Well Diameter: 2"

Sheet: 1 of 2

SUBSURFACE PROFILE				SAMPLE					Well Completion Details
Depth	Symbol	Description	Blow count/ft.	Sample No.	% Recovery	Duplicate	Type	Vapour ppm 200 600 1000 1400 1800	
25	8	Sand and Gravel Fine sand, trace cobbles, grey, loose, moist to wet	60	A-6	20		15		
26				A-7	30		10		
27				A-8	30		55		
28		9	Liquid black product identified emerging from voids within sample matrix at 8.84-9.14 mbgs, no odour, no sheen.						
29									
30					A-9	5		15	
31		10	Sand Fine to medium sand, trace gravel, trace silt, brown, medium dense, wet	92	A-10	60		15	
32									
33					A-11	30		15	
34		11	Sand and Gravel Fine to coarse sand and gravel, grey, loose, wet						
35									
36									
37									
38			End of Borehole						
39	12								
40									
41									
42									
43									
44	13								
45									
46									
47									
48									

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Sheet: 2 of 2