

LOCATION: 337 Victoria View Road  
 CONTRACTOR: Beck Drilling and Environmental Services Ltd.  
 EQUIPMENT USED : Sonic Truck Percussion Rig / Vacuum Truck and Truck mounted - Hollow Auger with Split Spoon and ODEX  
 BORETYPE: R30 Eagle  
 BORING DATE: May 18 and June 16, 2010  
 DATUM: Geodetic

**RECORD OF MONITORING WELL: MW10-05**

DEPTH SCALE METRES	SOIL PROFILE		SAMPLES			Soil Vapour Concentration (ppmv)				ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
	DESCRIPTION	STRATA PILOT	NUMBER	TYPE	RECOVERY %	Soil Vapour Concentration (%LEL)					
						50	100	150	200		
		ELEV. (m)									
		DEPTH (m)				20	40	60	80		
0	Ground Surface	5.15									Stickup = 0.83 m
	SAND and GRAVEL (FILL), trace metal debris, subrounded, compact, grey to brown	0.00	1							METALS	
1	SILT, trace to some fine grained sand, firm, moist, grey and brown with black pockets — Moderate hydrocarbon like odour, wood debris at 0.9 m	4.24 0.91	2							BTEX EPH PAH VPH	
2	— Ponded water, hydrocarbon sheen at 1.8 m — No hydrocarbon odour and no black pockets, firm to stiff, moist from 1.9 m to 3.4 m — Mainly brown with grey vertical striations from 1.9 m to 3.4 m		3							BTEX EPH VPH	28 July 2010
			4								
			5	SS							
	— Wet gravel lens to 3.4 m	1.77									
	SILTY CLAY, stiff, moist, brown, black to reddish brown (dark) spots between 3.7 m to 3.9 m and 4.1 m to 4.2 m, no odour	3.38	6	SS							
5	CLAY, stiff, moist, brown	0.12 5.03	7	SS							Bentonite
6	— Grey and firm below 5.9 m — Some silt, brown from 6.1 m to 6.6 m		8	SS							
			9,10	SS							
7	— Brown and grey mottled and soft to firm below 6.6 m — Wet below 7.0 m — Soft below 7.0 m		11	SS							
8			12	SS						BTEX EPH PAH VPH	
	— Occasional subrounded gravel between 8.5 m to 8.6 m		13	SS							
10											

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COL MW LOG 08-1436-0047-50205-2008 MW LOGS.GPJ IDL.GDT 05/19/11



LOCATION: 337 Victoria View Road

SHEET 2 OF 2

CONTRACTOR: Beck Drilling and Environmental Services Ltd.

EQUIPMENT USED : Sonic Truck Percussion Rig / Vacuum Truck and Truck mounted - Hollow Auger with Split Spoon and ODEX

BOREHOLE TYPE: R/K Eagle

### RECORD OF MONITORING WELL: MW10-05

BORING DATE: May 18 and June 16, 2010

DATUM: Geodetic

DEPTH SCALE METRES	SOIL PROFILE		SAMPLES			Soil Vapour Concentration (ppmv)				ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
	DESCRIPTION	STRATA PILOT	ELEV. DEPTH (m)	NUMBER	TYPE	RECOVERY %	Soil Vapour Concentration (ppmv)						
							50	100	150			200	
							Soil Vapour Concentration (%LEL)						
							20	40	60	80			
10	CLAY, stiff, moist, brown (continued) — Silt band 50.8 mm thick at 10.2 m  — Fine grained sand lens, 10 mm thick, wet at 10.7 m	[Hatched]		14	SS								
11													
12	SANDY SILT, some fine subangular gravel, some clay, firm, wet, grey — Musty odour from 11.9 m to 12.2 m  — Gravel increasing below 12.2 m	[Dotted]		15, 16	SS								
13													
13	SILTY SAND, fine to medium grained gravel, compact, moist, grey — Fine sand lenses layered with silt lenses between 13.1 to 13.3 m — Some fine subangular gravel and increasing at 13.5 m	[Dotted]		17	SS								
14				18	SS								
14				19	SS								
15	— Coarse sand lens 50.8 mm thick with large subangular cobble (green bedrock-like) between 14.7 m to 14.8 m Course grained SAND, with fine to medium subangular gravel, some silt, compact to dense, grey — Saturated from 15.2 m to 15.6 m	[Dotted]		20	SS								
15													
16	SILTY SAND, fine to medium grained, some fine subrounded gravel, compact, wet, grey	[Dotted]		21	SS								
16													
	BEDROCK (green to black)	[Hatched]											
	End of MONITORING WELL	[Hatched]											

SOIL MW LOG 06-1436-0047-5026-2006 MW LOGS.GPJ 01.L.GDT 05/19/11

DEPTH SCALE

1 : 50



2535 - 3rd Avenue S.E.  
Calgary, Alberta  
Canada T2A 7W5

LOGGED: AEK/PM  
CHECKED: WBR/P