

**Project Name:** Dawson Creek DSI  
**Project Number:** 00160-02

**MONITORING WELL: MW16-06S/D**  
**Location:** 1648 Alaska Avenue, Dawson Creek, BC

**Coordinates**

**Easting:** 672554.216  
**Northing:** 6183439.523  
**Datum:** NAD83 UTM Zone 10

**Drilling Details**

Drill Contractor: **Omega Environmental Drilling Ltd.**  
 Drill Date: **March 6, 2016**  
 Drill Method: **Geoprobe 8040 LS, Sonic**  
 Depth of Drilled Hole (mbgs): **15.2**  
 Drillhole Diameter (mm): **152**

**Well Installation Details**

Final Depth of Shallow Well (mbgs): **3.1**  
 Final Depth of Deep Well (mbgs): **12.3**  
 Well Casing Material: **PVC**  
 Well Casing Diameter (in): Shallow: **2** Deep: **1**  
 Well Screen Slot Size: **10**

Lithologic Description		Soil Sampling			Headspace Analysis	Elevation (masl)	Well Construction Details			
Depth (mbgs)	Symbol	Depth (ftbgs)	Sample Type	% Recovery	Sample ID		Sample Analyzed (Y,N)	PID Readings (PPM)	MW16-06S	MW16-06D
-1		-3								
0	SILT: Dark brown organic rich clayey silt with very fine to medium sand, trace fine to coarse gravel and roots, stiff, wet	0								Steel Stickup
1	CLAY: Brown-grey mottled clay, mottling orange in colour, trace fine to coarse gravel and very fine to medium sand in 1-3cm lenses, stiff, high plasticity, damp, no odours, no staining	3			MW16-06(3)	Y	0			Concrete
2		4								10/20 Silica Filter Sand, 10 Slot PVC Screen, 0.05m diameter
3		5								Bentonite Chips
4	@3.7m Less mottled	7			MW16-06(7)	N	0			10/20 Silica Filter Sand, 10 Slot PVC Screen, 0.05m diameter
5		8								
6	@5.5m Minor to with silt, trace gypsum crystals, very stiff, damp, no odours, no staining	12			MW16-06(12)	N	0			
7	@5.5-7.0m Minor coarse sand and fine to coarse gravel	13								
8		16			MW16-06(16)	N	0			
		20			MW16-06(22)	N	0			
		25			MW16-06(25)	N	0			Bentonite Chips



**Report Date:** April 2017  
**Logged by:** AL  
**Approved by:** TH  
**Client:** UCANCO General Partners Inc.

**Shallow Well Measurements**  
 Depth to Water from TOC (mbgs): **Dry**  
 Depth to Bottom from TOC (mbgs): **3.83**  
 Well Elevation from TOC (masl): **676.482**  
 Ground Elevation (masl): **675.758**  
 Date Measured: **March 16, 2016**

**Deep Well Measurements**  
 Depth to Water from TOC (mbgs): **4.465**  
 Depth to Bottom from TOC (mbgs): **13.04**  
 Well Elevation from TOC (masl): **676.446**  
 Ground Elevation (masl): **675.758**  
 Date Measured: **March 16, 2016**

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Lithologic Description		Soil Sampling			Headspace Analysis	Elevation (masl)	Well Construction Details				
Depth (mbgs)	Symbol	Depth (ftbgs)	Sample Type	% Recovery	Sample ID		Sample Analyzed (Y,N)	PID Readings (PPM)	MW16-06S	MW16-06D	Construction Comments
9		27									
	@8.5m Brown-grey mottled silty clay, minor coarse sand and fine to coarse gravel, very stiff, high plasticity, damp, no odours, no staining	28									
	SILT: Grey silt, minor to with very fine to fine sand in laminations, very stiff, brittle, damp, no odours, no staining	29			MW16-06(29)	N	2.449				
	@9.6-10.0m Clayey silt, soft, very wet, slight hydrocarbon-like odour	30									
	@10.0m Shaley grey silt, minor very fine to fine sand and clay, trace gravel, very stiff, dry to damp, no odours, no staining	31									
	@11.4m Minor very fine to medium sand in laminations 2mm-15cm thick, damp to wet, no odours, no staining	32			MW16-06(33)	Y	3.272				
		33		100							
		34									
		35					0				
		36			MW16-06(37)	N	0.503				
		37									
		38									
		39									
		40			MW16-06(40)	N	0				
		41									
		42									
		43		100							
		44									
		45									
		46			MW16-06(46)	N	0.107				
		47									
		48									
		49		100	MW16-06(49)	Y	0.759				
15	@15.2m, End of borehole										

