

1.0 BOREHOLE LOGS

During event 1, borehole logs were recorded for every sample point location from the Control Site and the Investigation Site. This was done to gain subsurface geological information of every location at both sites.

During event 2 borehole logs were recorded based on two requirements:

- In relation to the locations previously sampled in event 1: a borehole log was recorded if a soil sample was planned to be collected (ie. Locations 8, 11, 19, 40, 54, 62 and 70).
- In relation to the infill locations (Locations 102-126): a borehole log was completed if further knowledge about the subsurface geology was required.

The borehole logs each display the subsurface profile, elevation, borehole depth, soil sample information as well as field measured CO₂ concentrations. The CO₂ concentrations are displayed at the depth in the borehole log where the soil gas was sampled. If a location was sampled for soil gas in both events and has two borehole logs, one for each event, then the concentration is on the corresponding borehole log. If there was only one borehole log for both events, the concentrations from both sampling events were displayed on the single borehole log for easy comparison.

Project No: T10-167-CEN

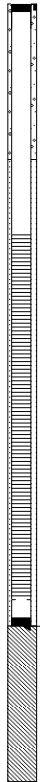
Borehole Log: 11MW100 *

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Headspace Vapour ppm	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.3		0			 <p>Backfilled with Bentonite After Well Removal</p>
0		Topsoil Dark brown, soft, moist, trace pebbles, organics	579.1					
1		Sand and Silt Soft, moist, trace gravel, trace organics	579.0					
2		Sand Light brown to brown with depth, soft, wet, pebbles, oxidation deposits						
3					1			
4								
5								
6								
7					2			
8			576.9					
9		Clay with Sand Grey, soft, moist, pebbles, trace oxidation deposits						
10		*Also borehole log for Location 100	576.3		3			
11		End of Borehole						
12								
13					4			
14								
15								

Driller: Erncos Drilling

Slot Size: 0.01

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: 3.18cm

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: 11MW01

Project Name: Site Assessment

Date: September 26, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE			SAMPLE				Headspace Vapour ppm 1 2 3	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.9		0			
0		Topsoil Dark brown, moist, organics	579.4		0			
1		Clay Dark brown, moist, some sand, some gravel	578.8		0			
2		Clay Dark brown, moist, some sand, some gravel	577.7		1			
3		Sand and Gravel Brown, moist, some clay, some pebbles, oxidation deposits			1			
4		Sand Brown, wet, coarse, some gravel			2			
5		Saturate, some pebbles at 1.5 mbg			2			
6					3			
7					4			
8					5			
9					6			
10					6			
11					7			
12					7			
13					8			
14					8			
15					8			
16					8			
17					8			
18					8			
19					8			
20			559.9		6			
21		Clay Grey, soft, moist, plastic			6			
22					7			
23					7			
24					7			
25			555.0		8			
26		End of Borehole			8			

Driller: Erncos Drilling

Slot Size: 0.01

Drill Method: Direct Push Geoprobe

Coordinate System: NAD 83/UTM Zone 13N

Well Diameter: 5.08cm

Surface Completion: Stick-up

Hole Size: 15.24cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: 11MW02

Project Name: Site Assessment

Date: September 27, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Headspace Vapour ppm 1 2 3	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.9		0			
0		Topsoil Dark brown, moist, organics	580.1					
1		Clay with Gravel Brown, hard, moist, some sand, organics	579.5					
2		Sand and Gravel Grey, dry, coarse, some pebbles	578.9					
3		Sand Brown, moist, fine, some gravel, some pebbles			1			
4					2			
5					3			
6					4			
7					5			
8					6			
9					7			
10		Wet	571.6		8			
11		Clay Brown, moist, some pebbles, oxidation deposits			9			
12					10			
13					11			
14					12			
15		Grey			13			
16					14			
17					15			
18					16			
19					17			
20					18			
21					19			
22					20			
23					21			
24					22			
25		*Probe refusal, switched to auger, used hollow stem to install as a result of sloughing			23			
26					24			
		End of Borehole	555.3		25			
					26			

Driller: Ernco Drilling

Slot Size: 0.01

Drill Method: Direct Push Geoprobe

Coordinate System: NAD 83/UTM Zone 13N

Well Diameter: 5.08cm

Surface Completion: Stick-up

Hole Size: 15.24cm

Checked By: BJ Min



Project No: T10-167-CEN






Borehole Log: Location 1

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	582.8		0			
		Topsoil Dark brown, moist, organics	582.7					
1		Clay Brown, soft, moist, some sand, some silt, trace pebbles, organics	582.4					
		Silt with Clay Light brown, soft, moist, friable, trace sand, trace gravel, trace pebbles	582.3					
2		Clay Brown, some sand, trace gravel, trace pebbles, oxidation deposits, coal flecks, sand inclusions						
3					1		0.05% (Aug) : 0.08% (Sept)	
4								
5		End of Borehole	581.3					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



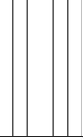




Borehole Log: Location 2

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.5		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics	581.3					
1		Silt Light brown, soft, some clay, trace sand, trace gravel, trace organics						
2			580.8					
3		Sand Brown, moist, coarse, trace pebbles			1		1.76% (Aug) : 2.42% (Sept)	
4		Clay Soft, moist, some sand, trace pebbles, oxidation deposits						
5								
6			579.5		2			
7		Silt and Clay Brown, grey mottling, soft, moist, oxidation deposits	579.4					
8		Clay Soft, moist, some sand, trace gravel, trace pebbles, trace coal flecks, oxidation deposits						
9								
10		End of Borehole	578.5		3			
11								
12								
13								
14								
15								

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 3

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.7		0			
0		Topsoil Dark brown, moist, organics	580.5					
1		Clay with Silt Dark brown, soft, moist, some sand, organics, trace oxidation deposits						
2		Light brown/grey, trace organics	580.2					
3		Coarse Sand Loose, wet, trace clay, trace pebbles, oxidation deposits			1		2.54% (Sept) : 4.15% (Aug)	
4								
5		No clay, no pebbles						
6					2			
7								
8								
9								
10		End of Borehole	577.7		3			
11								
12								
13					4			
14								
15								

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



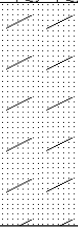


Borehole Log: Location 4

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.3		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics						
			580.1					
1		Clay and Sand Brown with grey, soft, moist, trace organics, oxidation deposits						
			579.7					
2		Sand Orange with grey, wet, coarse, trace clay, trace pebbles, oxidation deposits						
			579.6					
3		Silt and Clay Brown, soft, moist, trace sand, trace pebbles, trace coal flecks, oxidation deposits			1		0.04% (Aug) : 1.71% (Sept)	
4								
5		End of Borehole	578.8					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



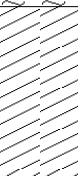

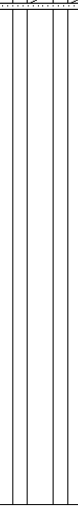
Borehole Log: Location 5

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.4		0			
		Topsoil Dark brown, moist, organics						
		Clay Dark brown, soft, moist, some silt, organics	580.2					
		Silt and Clay Light brown, soft, moist, trace sand	579.9					
		Sand Brown - orange, coarse Silt Brown, grey mottling, soft, some sand, some clay, trace gravel, trace pebbles, trace coal deposits, oxidation deposits	579.7					
1					1		0.08% (Aug) : 0.79% (Sept)	
5		End of Borehole	578.9					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

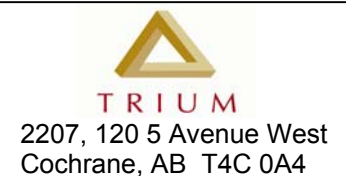
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



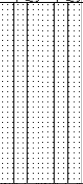
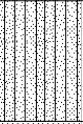
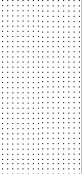
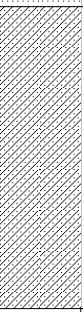
Borehole Log: Location 6

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	582.7		0			
0		Topsoil Dark brown, moist, organics	582.5					
1		Silt and Sand Brown, loose, moist, trace organics	582.2					
2		Sand with Silt Light brown, loose, moist, trace pebbles	582.0					
3		Sand Light brown, loose, moist, trace clay, trace pebbles, trace oxidation deposits	581.7		1		0.80% (Sept) : 1.12% (Aug)	
4		Clay with Sand Brown, soft, trace gravel, trace pebbles, trace coal deposits, oxidation deposits	581.2					
5		End of Borehole						
6					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



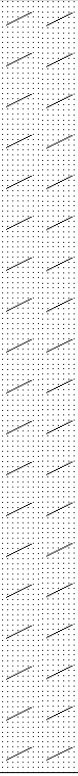
Borehole Log: Location 7

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB/LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	582.0		0		
0		Topsoil Dark brown, moist, organics					
1		Clay and Sand Brown, soft, moist, some silt, trace organics	581.8				
2		Light brown, trace gravel, trace pebbles					
3		Oxidation deposits, sand inclusions					
4					1	0.65% (Sept) : 2.46% (Aug)	
5		End of Borehole	580.5				
6					2		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



TRIUM
2207, 120 5 Avenue West
Cochrane, AB T4C 0A4

Project No: T10-167-CEN


Borehole Log: Location 8

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.2		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics	580.3					
1		Clay with Sand Brown, moist, trace silt, trace gravel, trace pebbles, organics						
2		Sand with Clay Dark brown, moist, trace gravel, trace pebbles						
3		Sand Brown - orange, coarse, some silt			1		17.1%	
4		Wet at 0.66 mbg, oxidation deposits						
5								
6		Gravel and pebbles			2			
7			573.5					
8		Clay Brown, wet, trace sand, trace pebbles						
9								
10		Grey, soft, moist, some sand, trace gravel			3			
11								
12								
13					4			
14								
15					5			
16								
17					6			
18								
19								
20		End of Borehole	561.2		6			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD 83/UTM Zone 13N

Well Diameter: NA

Surface Completion: NA

Hole Size: 5.72

Checked By: BJ Min



Project No: T10-167-CEN







Borehole Log: Location 8

Project Name: Site Assessment

Date: September 26, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.2		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics	581.1					
		Clay Dark brown, moist, organics	581.0					
		Silt with Clay Brown, soft, moist, friable, some gravel	580.9					
		Clay with Coarse Sand Dark brown, soft, moist, some gravel	580.8					
		Sand Brown, coarse, some gravel, some pebbles, oxidation deposits						
		Wet					4.81%	
				SP8 - 1				
			579.7					
5		End of Borehole						

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




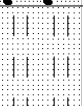
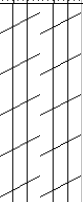

Borehole Log: Location 9

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.5		0			
		Topsoil Dark brown, moist, organics						
		Sand and Gravel Brown, loose, moist, trace organics	581.3					
1		Sand and Silt Brown, loose, moist, trace gravel	581.2					
2		Clay and Silt Brown, soft, moist, some sand, trace gravel, trace pebbles	581.0					
3		Clay Some sand, trace gravel, trace pebbles, trace oxidation deposits	580.7		1		0.31% (Sept) : 0.89% (Aug)	
5		End of Borehole	580.0		2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

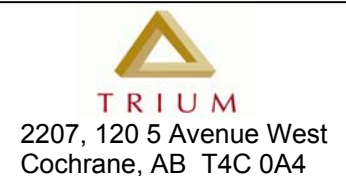
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



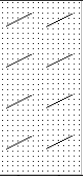

Borehole Log: Location 10

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.8		0			
		Topsoil Dark brown, moist, organics	580.7					
1		Sand and Clay Brown, soft, moist, friable, trace organics	580.4					
2		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits, coal deposits, sand inclusions (minor)						
5		End of Borehole	579.3					
0					1		0.17% (Sept) : 1.53% (Aug)	
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

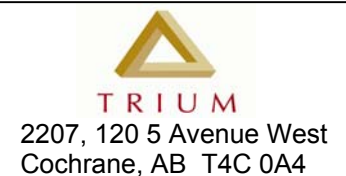
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



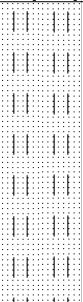
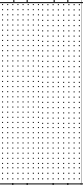
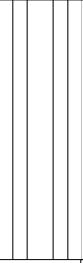
Borehole Log: Location 11

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	580.4		0		
0		Topsoil Dark brown, moist, organics					
1		Silt and Sand Grey, soft, moist, trace organics	580.1				
2							
3		Sand Brown, grey mottling, wet, some silt, trace pebbles	579.6				
3					1	5.11%	
4		Silt Grey, moist, some sand, some clay, trace gravel	579.3				
5		End of Borehole	578.9				
6					2		

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



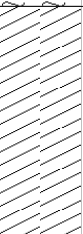
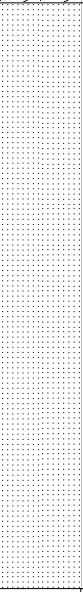
Borehole Log: Location 11

Project Name: Site Assessment

Date: September 28, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	580.4		0		 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics	580.3				
1		Clay Dark brown, hard, moist, some sand Grey, soft	579.9				
2		Sand Brown, moist, fine, some clay					
3				Kerr - 11	1	2.08%	
4		Wet					
5		End of Borehole	578.9				
6					2		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN






Borehole Log: Location 12

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.3		0			 Backfilled with Bentonite
0		Topsoil Dark brown, moist, organics			0			
1		Clay with Sand Brown, soft, moist, trace silt Increased silt at 0.45 mbg	580.0					
2		Sand Grey, loose, wet, some clay, oxidation deposits, increasing sand with depth	579.8					
3		Trace gravel at 0.65 mbg			1		0.09% (Aug) : 2.43% (Sept)	
4								
5			578.7					
6		Clay Brown, trace grey mottling, moist, some sand, trace gravel, trace pebbles, oxidation deposits, coal deposits						
7					2			
8		Increased silt						
9								
10		End of Borehole	577.3		3			
11								
12								
13					4			
14								
15								

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

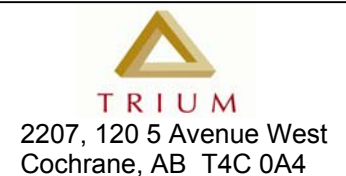
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN






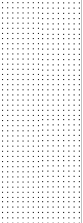
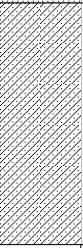
Borehole Log: Location 13

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB/LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	582.1		0			
		Topsoil Dark brown, moist, organics						
		Clay with Silt Brown, soft, moist, trace sand, trace pebbles, trace organics	581.9					
		Clay Brown, soft, moist, some sand, trace pebbles, trace organics	581.7					
		Silt and Sand Light brown to light grey, loose, moist, trace gravel	581.5					
		Sand Brown, loose, moist, some silt, trace gravel, trace pebbles, oxidation deposits	581.4					
		Clay with Sand Soft, moist, trace pebbles, oxidation deposits	581.0		1		1.19% (Sept) : 1.96% (Aug)	
5		End of Borehole	580.6					
6					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



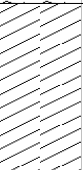
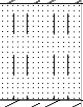

Borehole Log: Location 14

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	582.4		0			
		Topsoil Dark brown, moist, organics						
			582.2					
1		Clay Brown, soft, moist, friable, some silt, some sand, trace organics, trace pebbles, oxidation deposits						
			581.9					
2		Silt and Sand Brown, loose, moist, trace gravel, trace pebbles, trace oxidation deposits, trace organics						
			581.8					
		Clay Brown, white precipitate, soft, moist, some sand, some silt, trace pebbles, oxidation deposits, sand inclusions						
3					1		1.02% (Sept) : 1.34% (Aug)	
4								
5		End of Borehole						
			580.9					
6					2			

Driller: Erncore Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



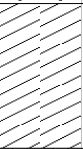


Borehole Log: Location 15

Project Name: Site Assessment

Date: August 12, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.9		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics						
		Clay Brown, moist, some sand, organics	581.7					
1		Silt Grey, moist, some sand, some clay	581.5					
		Clay Brown, white precipitate, moist, some silt, trace pebbles, increasing sand with depth, sand inclusions with oxidation deposits	581.3					
2								
3								
4								
5		End of Borehole	580.4					
6								

0.92% (Sept) : 1.88% (Aug)



Backfilled with Bentonite

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



TRIUM
2207, 120 5 Avenue West
Cochrane, AB T4C 0A4

Project No: T10-167-CEN


Borehole Log: Location 16

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.1		0			 <p style="text-align: right;">Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics	581.0		0			
1		Sand and Clay Brown, soft, moist, trace silt, trace organics			1			
2		Grey			2			
3		Brown, grey mottling, trace pebbles, oxidation deposits			3			
4					4			
5			579.6		5			
5		Sand Wet, coarse, trace pebbles, oxidation deposits	579.5		5			
6			579.4		6			
7		Clay Soft, moist, some sand, some silt, trace pebbles, oxidation deposits			7			
8		Sand Soft, wet, trace clay, trace silt			8			
9		Coarse sand lense at 2.50 mbg			9			
9			578.4		9			
10		Clay Soft, moist, some sand, some silt, trace pebbles, oxidation deposits, coal deposits			10			
11					11			
12					12			
13					13			
14					14			
15		*PRT system not installed	576.5		15			
		End of Borehole						

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

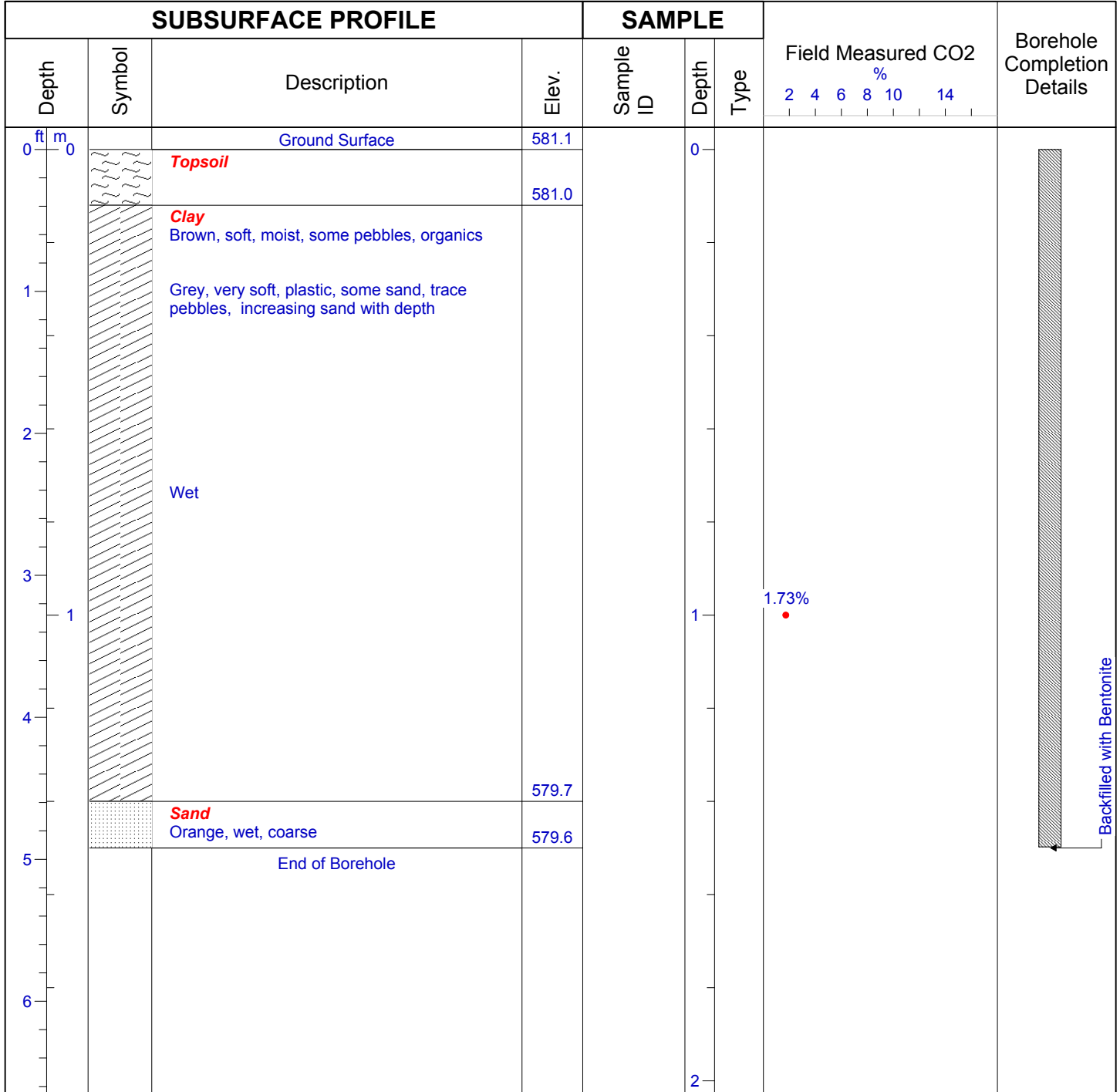
Borehole Log: Location 16

Project Name: Site Assessment

Date: September 28, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL



Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



TRIUM
 2207, 120 5 Avenue West
 Cochrane, AB T4C 0A4

Project No: T10-167-CEN






Borehole Log: Location 17

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.5		0			
		Topsoil Dark brown, soft, moist, organics	579.3					
1		Clay with Silt Brown with grey mottling, soft, moist, some sand	578.9					
2		Sand Wet, coarse, trace pebbles, oxidation deposits	578.8					
3		Clay Very soft, moist, trace pebbles, oxidation deposits, coal deposits	578.0		1		0.06% (Sept) : 0.33% (Aug)	
5		End of Borehole			2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



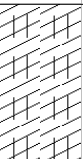
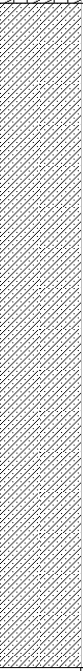
Borehole Log: Location 18

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.6		0		
0		Topsoil Dark brown, moist, organics	579.5				
1		Clay and Silt Soft, moist, trace gravel, trace pebbles, organics	579.2				
2		Clay with Sand Soft, moist, trace sand (inclusions), trace gravel, trace pebbles, oxidation deposits, coal deposits					
5		End of Borehole	578.1				
0	ft m						
0	0				0		
1					1	0.05% (Sept) : 1.57% (Aug)	
2							
3							
4							
5							
6							

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



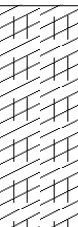


Borehole Log: Location 19

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.3		0			
		Topsoil Dark brown, soft, moist, organics						
1			580.1					
		Clay with Silt Brown, soft, moist, trace sand, trace pebbles, oxidation deposits						
2			579.7				3.89%	
		Sand Wet, coarse, trace gravel, oxidation deposits						
3			579.5					
		Clay Very soft, moist, some silt, some sand, trace pebbles, oxidation deposits, coal deposits						
4								
5		*Location 19 moved ~ 9 m north	578.8					
		End of Borehole						
6								

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 19

Project Name: Site Assessment

Date: September 28, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	580.3		0		
0		Clay Brown, soft, moist, friable, some sand, some gravel					
1		Dark brown, grey mottling					
2		Sand Brown, wet, coarse, some gravel, some pebbles	579.8				
3		Clay inclusion		Kerr - 19	1	1.02%	
5		End of Borehole	578.8				
6					2		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min

TRIUM
2207, 120 5 Avenue West
Cochrane, AB T4C 0A4

Project No: T10-167-CEN



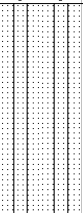

Borehole Log: Location 20

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.1		0			
		Topsoil Dark brown, moist, organics						
			580.9					
1		Sand and Silt Loose, trace coarse gravel, trace clay, trace pebbles, trace organics						
			580.6					
2		Clay Some sand, trace silt, trace pebbles, oxidation deposits, sand inclusions						
3					1		0.19% (Sept) : 1.36% (Aug)	
4								
5		End of Borehole	579.6					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

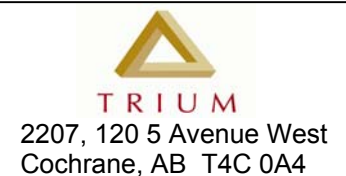
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



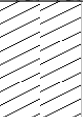
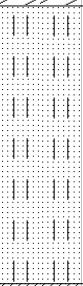
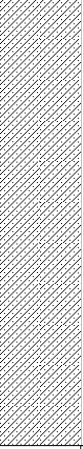
Borehole Log: Location 21

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	583.0		0			
		Topsoil Dark brown, moist, organics	582.9					
		Clay Brown, soft, moist, some sand, some silt, trace pebbles, organics	582.7					
1		Sand and Silt Light brown, loose, trace clay, trace organics						
2			582.2					
3		Clay with Sand Soft, moist, trace pebbles, trace gravel, oxidation deposits			1		0.36% (Sept) : 2.11% (Aug)	
4								
5		End of Borehole	581.5					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




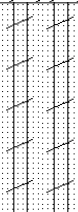
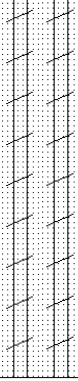
Borehole Log: Location 22

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	582.7		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, soft, moist, organics						
1		Clay with Silt Lighter dark brown, loose, moist, some sand, trace pebbles, trace organics	582.5					
2		Clay with Sand and Silt Oxidation deposits, trace coal deposits	582.2					
3		Sand lense, trace pebbles from 0.88 to 0.90 mbg			1		1.12% (Aug) : 1.21% (Sept)	
5		End of Borehole	581.2					
6					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




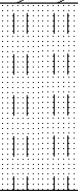
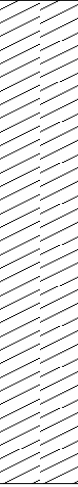
Borehole Log: Location 23

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	583.2		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics	583.1					
		Clay Brown, moist, some sand, trace pebbles, organics	582.8					
		Sand and Silt Loose, moist, trace pebbles, trace organics	582.5					
		Clay Soft, some sand, trace pebbles, oxidation deposits, sand inclusions	581.7					
5		End of Borehole						
					1		0.55% (Sept) : 0.76% (Aug)	
					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




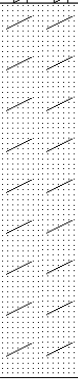
Borehole Log: Location 24

Project Name: Site Assessment

Date: August 13, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	582.1		0			
0		Topsoil Dark brown, moist, organics						
1		Clay with Silt Dark brown, soft, trace sand, trace pebbles, organics	581.8					
3		Sand and Clay Brown, soft, moist, friable, trace pebbles, oxidation deposits	581.2		1		0.87% (Aug) : 0.97% (Sept)	
5		End of Borehole	580.6					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



TRIUM
2207, 120 5 Avenue West
Cochrane, AB T4C 0A4

Project No: T10-167-CEN




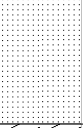
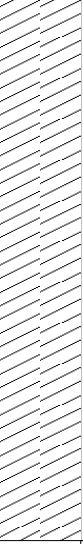
Borehole Log: Location 25

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.2		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics	579.1					
1		Clay Dark brown, soft, moist, some silt, some sand, trace pebbles, organics	578.8					
2		Sand Brown, loose, moist, coarse, some pebbles, oxidation deposits	578.6					
3		Clay Brown, soft, some sand, trace silt, trace pebbles, oxidation deposits	577.7		1		0.10% (Aug) : 1.04% (Sept)	
5		End of Borehole			2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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Cochrane, AB T4C 0A4

Project No: T10-167-CEN






Borehole Log: Location 26

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.2		0			
		Topsoil Dark brown, soft, moist, organics						
			579.0					
1		Clay Dark brown, soft, moist, some silt, trace sand, trace pebbles, organics						
			578.9					
		Sand Brown, moist, coarse, trace pebbles, trace gravel, trace organics						
			578.7					
2		Clay Brown, soft, moist, some sand, trace silt, trace pebbles, oxidation deposits, trace coal deposits						
3					1		0.07% (Aug) : 0.18% (Sept)	
4								
5		End of Borehole	577.7					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

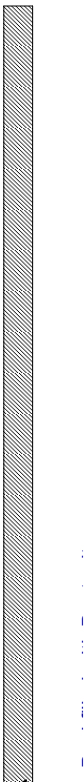



Borehole Log: Location 27

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.9		0			 Backfilled with Bentonite
0		Topsoil Dark brown, soft, moist, organics	580.7		0			
1		Sand Brown, loose, moist, trace silt, trace gravel, trace pebbles, oxidation deposits			1		0.62% (Sept) : 1.12% (Aug)	
2					2			
3					3			
4					4			
5					5			
6					6			
7		Wet Purple mineral inclusion at 2.60 mbg			7			
8			578.3		8			
9		Clay Soft, moist, some sand, trace pebbles, oxidation deposits, coal deposits			9			
10		End of Borehole	577.9		10			
11					11			
12					12			
13					13			
14					14			
15					15			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



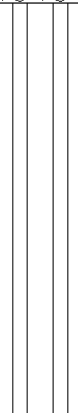

Borehole Log: Location 28

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.4		0			
		Topsoil Dark brown, soft, moist, organics	581.3					
		Silt Light brown, soft, moist, some sand, trace pebbles, trace organics						
		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits	580.6					
		End of Borehole	579.9					
1					1		0.80% (Sept) : 1.47% (Aug)	
2								
3								
4								
5								
6								

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 29

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	583.7		0		
		Topsoil Dark brown, soft, moist, organics	583.6				
1		Silt Light brown, loose, moist, some sand, trace clay, organics					
2		Trace sand, trace gravel					
3							
4						0.94% (Sept) : 1.55% (Aug)	
5		End of Borehole	582.2				
6							

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 30

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	584.6		0			
0		Topsoil Dark brown, soft, moist, organics	584.5		0			
1		Silt and Sand Brown, loose, moist, trace pebbles, trace organics			1		0.88% (Sept)	
2					2			
3					3			
4					4			
5			583.0		5		1.35% (Aug)	
6		Clay Soft, moist, trace pebbles, oxidation deposits, coal deposits, white precipitate seam			6			
7					7			
8					8			
9					9			
10		End of Borehole	581.6		10			
11					11			
12					12			
13					13			
14					14			
15					15			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




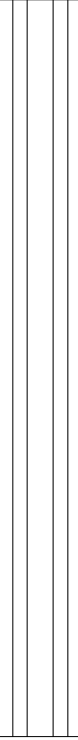
Borehole Log: Location 31

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	583.2		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, soft, moist, organics	583.1					
		Clay with Sand and Silt Brown, moist, trace pebbles, trace organics	582.9					
1		Silt Light brown, loose, moist, some sand, trace clay, trace pebbles, oxidation deposits Increasing sand with depth						
5		End of Borehole	581.7					
0					1		0.94% (Sept) : 1.39% (Aug)	
2								
3								
4								
5								
6								

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



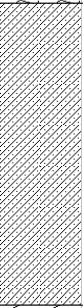
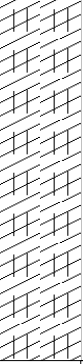
Borehole Log: Location 32

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	580.3		0		 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, soft, moist, organics					
1		Clay with Sand Dark brown, soft, moist, trace silt, trace gravel Some silt, trace pebbles, trace oxidation deposits	579.9				
2							
3		Clay with Silt Light brown, very soft, moist, trace gravel, oxidation deposits	579.4		1	0.17% (Aug) : 0.20% (Sept)	
4							
5		End of Borehole	578.8				
6					2		

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

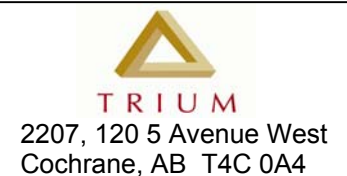
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



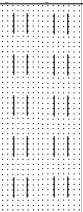
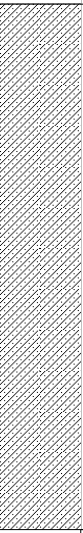
Borehole Log: Location 35

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.4		0		 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, soft, moist, organics					
1		Sand with Silt Loose, some gravel, some pebbles, oxidation deposits	579.1				
2		Clay with Sand Brown, grey mottling, soft, moist, oxidation deposits, coal deposits	578.8				
5		End of Borehole	577.9				
1					1	0.04% (Sept) : 0.05% (Aug)	
2							

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




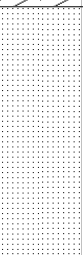
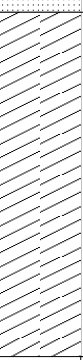
Borehole Log: Location 36

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.2		0			
0		Topsoil Dark brown, soft, moist, organics						
1		Clay Dark brown, grey mottling, soft, moist, some silt, trace sand, trace organics	579.0					
2		Sand Brown, loose, moist, some pebbles, trace clay, oxidation deposits Wet	578.7				3.71% (Aug) 1.66% (Sept)	
3		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits	578.3		1			
5		End of Borehole	577.7		2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



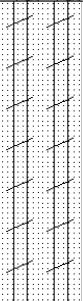
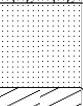
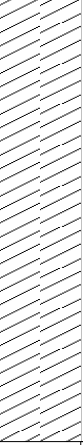
Borehole Log: Location 38

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.6		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics	580.5					
		Clay with Silt and sand Dark brown, soft, moist, trace organics						
2		Sand Brown, loose, moist, some pebbles, trace gravel, trace clay, trace organics, oxidation deposits	579.9					
3		Clay Brown, moist, some sand, some pebbles, oxidation deposits, trace coal deposits			1		0.10% (Sept) : 1.73% (Aug)	
5		End of Borehole	579.1					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

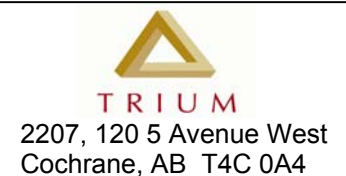
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




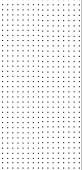

Borehole Log: Location 40

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.3		0			
		Topsoil Dark brown, moist, organics	580.1					
1		Clay Soft, moist, some sand, some silt, trace pebbles, organics	579.8					
2		Sand Brown, loose, moist, some pebbles, trace clay, trace gravel Increased sand from 0.60 to 0.74 mbg	579.6					
3		Clay Brown, soft, some sand, trace oxidation deposits	578.8		1		3.75%	
5		End of Borehole						
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN





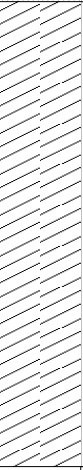
Borehole Log: Location 40

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.3		0			
0		Topsoil Dark brown, moist, organics						
1		Clay Brown, moist, friable, some gravel Grey, some sand	580.0					
2		Sand Orange-brown, moist, coarse	579.7 579.6					
3		Clay Brown, moist, some pebbles, oxidation deposits			1		1.41%	
5		End of Borehole	578.8					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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Project No: T10-167-CEN




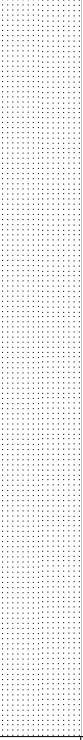
Borehole Log: Location 48

Project Name: Site Assessment

Date: August 15, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.1		0			
		Topsoil Dark brown, soft, moist, organics	581.0					
		Clay Brown, soft, moist, some organics, trace sand, trace pebbles	580.8					
1		Sand Brown, moist, some gravel, some pebbles, oxidation deposits						
5		End of Borehole	579.6					
					1		0.56% (Sept) : 0.91% (Aug)	
					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



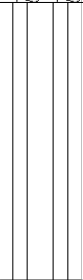
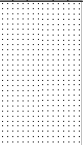

Borehole Log: Location 49

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.2		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, soft, moist, organics	581.0					
1		Silt Brown, loose, moist, some clay, trace sand, trace organics						
2		Sand Brown, loose, moist, some clay, trace pebbles, oxidation deposits	580.5					
3		Clay Brown, soft, some sand, trace pebbles, oxidation deposits	580.3		1		0.07% (Sept) : 0.79% (Aug)	
5		End of Borehole	579.7					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



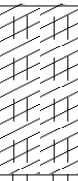
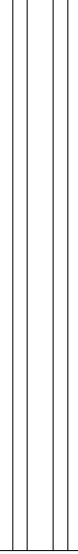
Borehole Log: Location 50

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.7		0		 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, soft, moist, organics					
1		Clay with Silt Dark brown, trace sand, trace gravel, trace organics	579.4				
2		Clay Soft, moist, some sand, trace pebbles, oxidation deposits, sand inclusions Increased moisture with depth	579.1				
3					1		
4							
5		End of Borehole	578.2				
6					2		

0.65% (Sept) : 4.70% (Aug)

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



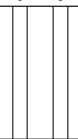
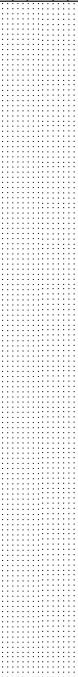
Borehole Log: Location 54

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.7		0			
		Topsoil Dark brown, soft, moist, organics, oxidation deposits	579.5					
1		Silt Brown, moist, some sand, trace pebbles, trace organics	579.3					
2		Sand Light brown, moist, some silt, some pebbles Brown, wet, trace gravel, oxidation deposits					6.1%	
5		End of Borehole	578.2					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




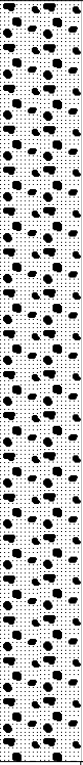
Borehole Log: Location 54

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.7		0		 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics	579.6				
		Clay Brown, soft, moist, some sand, organics	579.5				
1		Sand and Gravel Grey and brown, moist, some clay					
2		Orange-brown, wet, coarse				2.65%	
3				Kerr - 54	1		
5		End of Borehole	578.2				
6					2		

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



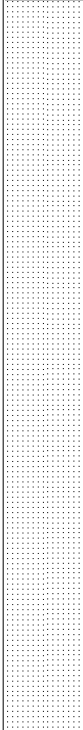
Borehole Log: Location 55

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.5		0			
0		Topsoil Soft, moist, trace pebbles, organics	580.3		0			
1		Sand Light brown, loose, moist, some gravel, some pebbles, trace silt, trace organics			1		0.43% (Sept) : 0.87% (Aug)	
2		Brown, oxidation deposits						
3								
4								
5		Wet						
6								
7								
8								
9								
10		End of Borehole	577.5		3			
11								
12								
13								
14								
15								

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

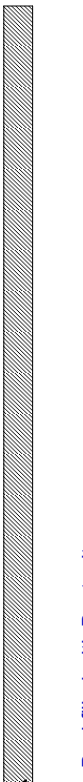


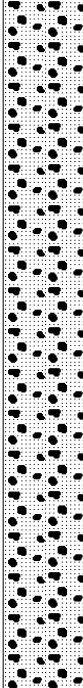
Borehole Log: Location 56

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.6		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, soft, moist, organics	580.4		0			
1		Clay Brown, soft, loose with depth, moist, some silt, trace pebbles, some organics	580.3		1		1.16%	
2		Sand and Gravel Brown, loose, moist, coarse, some pebbles, oxidation deposits,			2			
3					3			
4					4			
5					5			
6					6			
7					7			
8					8			
9					9			
10		End of Borehole	577.6		10			
11					11			
12					12			
13					13			
14					14			
15					15			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



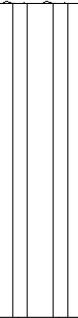
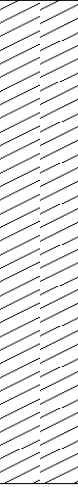
Borehole Log: Location 57

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.8		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, soft, moist, organics						
			580.6					
1		Silt Brown, loose, dry, some sand, trace organics						
2			580.1					
3		Clay Soft, moist, some sand, trace pebbles, oxidation deposits			1		0.25% (Sept) : 1.69% (Aug)	
4								
5		End of Borehole	579.3					
6					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



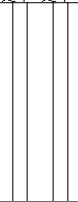
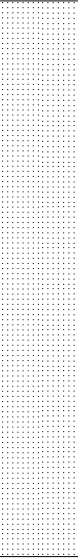
Borehole Log: Location 58

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.6		0		
		Topsoil Dark brown, soft, moist, organics					
			579.4				
1		Silt Dark brown, soft, moist, some clay, some organics					
			579.0				
2		Sand Brown, soft, loose, moist, coarse, some clay, some pebbles, oxidation deposits Fine, trace silt					
3					1	0.50% (Sept) : 1.17% (Aug)	
4							
5		End of Borehole	578.1				
6					2		

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

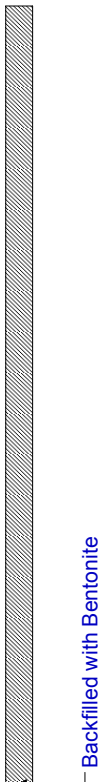




Borehole Log: Location 62

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.6		0			
0		Topsoil Dark brown, soft, moist, organics	579.5					
1		Silt Brown, moist, some sand, trace pebbles, trace organics	579.3				3.9%	
2		Sand Light brown, soft, very moist, some silt, some pebbles						
3		Brown, wet, trace gravel, oxidation deposits			1			
4								
5								
6					2			
7								
8								
9								
10		End of Borehole	576.6		3			
11								
12								
13					4			
14								
15								

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




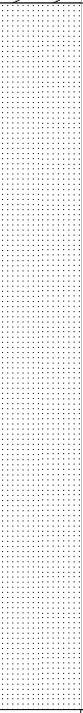
Borehole Log: Location 62

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.6		0		
		Topsoil Dark brown, moist, organics	579.5				
		Clay Brown, soft, moist, some sand, some gravel					
1			579.3				
		Sand Brown, wet, coarse, some gravel				2.05%	
5		End of Borehole	578.1		1		
6					2		

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 63

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.5		0		
		Topsoil Soft, moist, organics	579.4				
		Silt and Sand Brown, soft, very moist, trace pebbles, some organics	579.2				
1		Sand with Gravel Brown, saturated, pebbles, trace oxidation deposits, coal deposits				2.95% (Aug)	
2						1.08% (Sept)	
3							
4							
5		End of Borehole	578.0				
6							

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN






Borehole Log: Location 65

Project Name: Site Assessment

Date: August 15, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.6		0			 Backfilled with Bentonite
0		Topsoil Dark brown, soft, moist, organics	580.4					
1		Clay with Silt Brown, soft, moist, trace sand, organics						
2		Silt Light brown, moist, some clay, trace pebbles, trace organics	580.1					
3		Clay Light brown, moist, some clay, trace pebbles, trace organics	579.9					
1		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits, coal deposits			1		0.49% (Aug) : 0.49% (Sept)	
2					2			
3					3			
3		End of Borehole	577.6		3			
4					4			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN





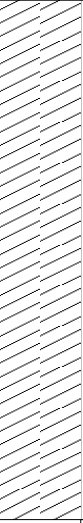
Borehole Log: Location 66

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.1		0			
		Topsoil Dark brown, soft, moist, organics	579.9					
1		Clay Dark brown, soft, moist, some silt, trace sand, organics	579.6					
2		Sand Brown, loose, moist, some silt, trace pebbles, trace organics	579.5					
3		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits, coal deposits	578.6		1		0.06% (Sept) : 0.07% (Aug)	
5		End of Borehole						
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



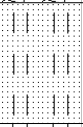
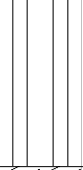
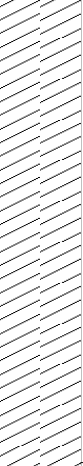
Borehole Log: Location 67

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.2		0			
		Topsoil Dark brown, moist, organics						
1			580.0					
		Sand with Silt Loose, moist, trace pebbles, trace organics						
		Silt Light brown, loose, dry to moist, trace sand, trace pebbles						
2			579.8					
		Clay Brown, moist, some sand, trace pebbles, oxidation deposits						
3		Increased sand from 0.85 - 0.95 mbg			1		0.55% (Sept) : 0.56% (Aug)	
4								
5		End of Borehole	578.7					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



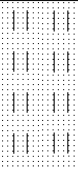
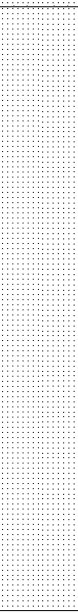
Borehole Log: Location 68

Project Name: Site Assessment

Date: August 14, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	581.5		0		
		Topsoil Dark brown, loose, dry, organics					
1			581.3				
		Silt and Sand Light brown, loose, dry, trace pebbles, trace organics					
2			581.0				
		Sand Brown, loose, dry, some clay, trace pebbles, oxidation deposits					
3							
4							
5		End of Borehole	580.0				
6							

0.87% (Sept) : 1.50% (Aug)

Backfilled with Bentonite

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




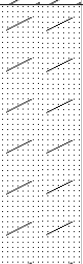

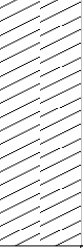
Borehole Log: Location 69

Project Name: Site Assessment

Date: August 15, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.0		0			
0		Topsoil Dark brown, soft, moist, organics	579.8		0			
1		Clay Dark brown, soft, moist, some silt, trace sand, some organics	579.3		1			
2		Sand and Clay Grey, soft, moist, trace silt, trace pebbles, oxidation deposits	578.2		1		0.05% (Aug) : 0.67% (Sept)	
3		Wet	578.1		1			
4					2			
5					2			
6		Sand Brown - orange, wet, coarse, trace pebbles, oxidation deposits			2			
7		Clay Brown, soft, moist, some sand, trace gravel, trace pebbles, oxidation deposits, coal deposits			2			
8					2			
9					3			
10		End of Borehole	577.0		3			
11					3			
12					4			
13					4			
14					4			
15					4			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

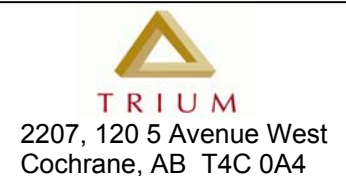
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



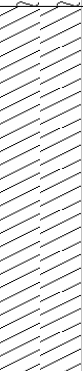
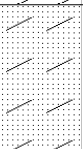

Borehole Log: Location 70

Project Name: Site Assessment

Date: August 15, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.3		0			
0		Topsoil Dark brown, soft, moist, organics						
1			579.9					
2		Clay Dark brown, soft, moist, some silt, trace sand, trace pebbles, organics Grey mottling, some sand, trace silt						
3			579.3		1		2.74%	
4		Sand and Clay Brown, soft, moist, trace pebbles, oxidation deposits	579.0					
5		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits	578.8					
5		End of Borehole						
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



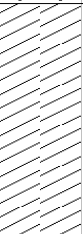

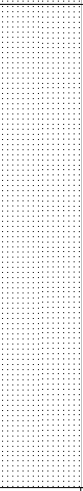
Borehole Log: Location 70

Project Name: Site Assessment

Date: October 1, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	580.3		0		 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics					
1		Clay Brown, soft, moist, some sand Grey, very soft, sand inclusion at 0.45 mbg	580.1				
2		Sand and Clay Brown, soft, moist, coarse	579.7				
2			579.6				
3		Sand Brown, wet, coarse, some gravel		Kerr - 70	1	1.89%	
5		End of Borehole	578.8				
6					2		

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



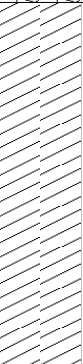
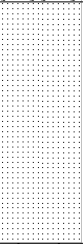

Borehole Log: Location 71

Project Name: Site Assessment

Date: August 15, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.4		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, soft, moist, organics						
			580.2					
1		Clay Brown, soft, moist, some sand, some silt, trace organics						
		Light brown, trace sand						
2			579.6					
3		Sand Soft, moist, some clay, trace gravel, trace pebbles, oxidation deposits			1		1.72% (Sept) : 2.23% (Aug)	
4		Clay Grey mottling, soft, moist, some sand, trace pebbles, oxidation deposits						
			579.2					
5		End of Borehole						
			578.9					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




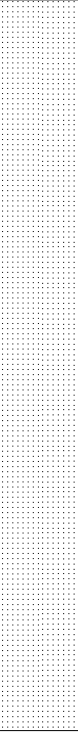
Borehole Log: Location 72

Project Name: Site Assessment

Date: August 16, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.4		0			
		Topsoil Dark brown, soft, moist, organics	579.2					
		Silt and Sand Brown, soft, very moist, trace pebbles, some organics	579.1					
1		Sand Brown, wet, some pebbles, trace gravel, oxidation deposits						
5		*PRT system not installed	577.9					
		End of Borehole						

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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Project No: T10-167-CEN





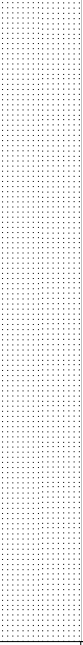
Borehole Log: Location 72

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.4		0		
		Topsoil Dark brown, moist, organics	579.3				
		Clay Dark brown, moist, some sand	579.1				
1		Sand and Gravel Brown, moist, some clay	579.0				
		Sand Brown, wet, coarse, some clay, some gravel				5.23%	
5		End of Borehole	577.9		1		
6					2		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN





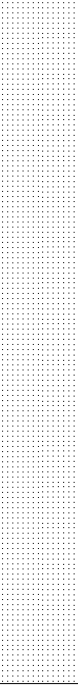
Borehole Log: Location 100

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.3		0			
		Topsoil Dark brown, moist, organics	579.2					
		Clay Grey, very soft, moist	579.0					
1		Gravel Brown, wet, some sand, some clay	578.9					
		Sand Brown, wet, fine, some gravel						
5		*PRT system not installed	577.8		1			
		End of Borehole			2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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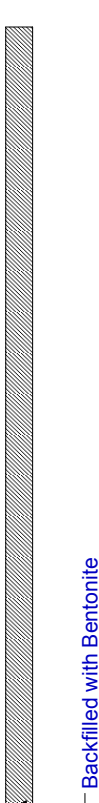





Borehole Log: Location 101

Project Name: Site Assessment

Date: August 15, 2011

Location: SW-30-05-13-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.7		0			
0		Topsoil Dark brown, soft, moist, organics	579.5		0			
1		Clay Dark brown, soft, moist, some silt, trace sand, some organics						
2			579.0					
3		Clay with Silt Light brown, soft, moist, trace pebbles						
3			578.7		1		0.36% (Aug) : 2.89% (Sept)	
4		Sand and Clay Brown, soft, loose, moist, trace pebbles, oxidation deposits, increased sand with depth						
5		Wet, trace sand						
6			577.9					
7		Clay Brown, soft, moist, some sand, trace pebbles, oxidation deposits, coal deposits			2			
10		End of Borehole	576.7		3			
13					4			
15								

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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Project No: T10-167-CEN



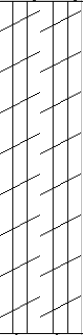
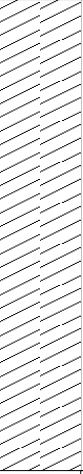
Borehole Log: Location 102

Project Name: Site Assessment

Date: October 1, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.6		0			
		Topsoil Dark brown, dry, organics	581.4					
1		Clay and Silt Grey, dry, some gravel						
2			580.9					
3		Clay Brown, soft, moist, some gravel, oxidation deposits			1		0.89%	
4								
5		End of Borehole	580.1					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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

Borehole Log: Location 103

Project Name: Site Assessment

Date: October 1, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.7		0		
0		Topsoil Dark brown, moist, some sand, organics	579.6				
1		Clay Brown, soft, moist, friable, some gravel, sand inclusions					
2		Very soft, oxidation deposits					
3					1	0.34%	
4							
5		End of Borehole	578.2				
6					2		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




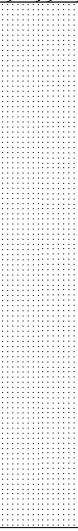
Borehole Log: Location 106

Project Name: Site Assessment

Date: October 1, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.2		0			
		Topsoil Dark brown, moist, organics	579.0					
1		Clay Grey, very soft, wet						
2		Sand Brown, wet, coarse	578.6					
5		*PRT system not installed	577.7					
		End of Borehole						

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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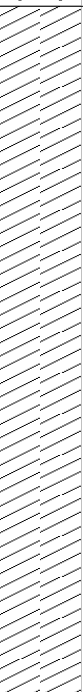
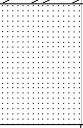
Borehole Log: Location 107

Project Name: Site Assessment

Date: October 1, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.2		0		 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics	579.0				
1		Clay Dark brown, moist, friable, some sand Grey, very soft, plastic					
2							
3						1.98%	
4		Sand Brown, wet, coarse, some clay	577.9				
5		End of Borehole	577.7				
6							

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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
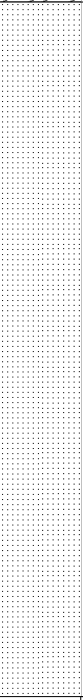
Borehole Log: Location 108

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.0		0			 <p>Backfilled with Bentonite</p>
		Topsoil Dark brown, moist, organics	578.8					
1		Clay Grey, very soft, moist, some sand, some gravel	578.6					
2		Sand Wet, coarse, some clay, some gravel						
5		End of Borehole	577.5					
0							0.065%	

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




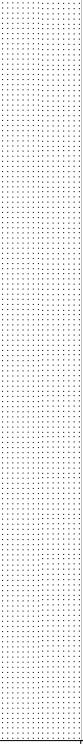
Borehole Log: Location 109

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.2		0			
		Topsoil Dark brown, moist, organics	579.0					
		Clay Grey, very soft, moist, some sand	579.0					
1		Sand Brown, wet, coarse, some clay, poorly sorted						
		*PRT system not installed						
5		End of Borehole	577.7					

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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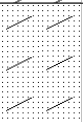
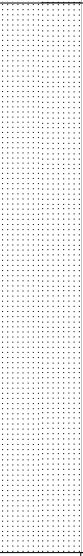
Borehole Log: Location 110

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.6		0			
		Topsoil Dark brown, moist, organics	579.4					
		Clay Brown, soft, moist, some sand, some gravel	579.2					
		Sand and Clay Brown, moist, some gravel	579.0					
		Sand Brown, wet, coarse, some clay, some gravel, some pebbles	578.1			2.00%		
5		End of Borehole						

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



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Project No: T10-167-CEN




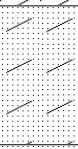

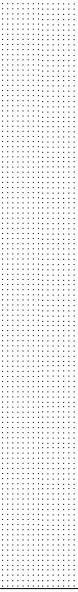
Borehole Log: Location 111

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.5		0			
		Topsoil Dark brown, moist, organics	579.4					
		Clay Brown, moist, some gravel, organics	579.2					
1		Clay and Sand Brown, loose, moist, coarse, some gravel	579.0				4.62% 	
2		Sand Brown, loose, wet, coarse, some clay, some gravel, some pebbles	578.0					
5		End of Borehole						

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




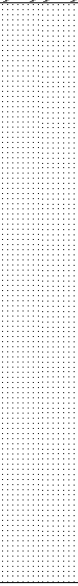
Borehole Log: Location 112

Project Name: Site Assessment

Date: September 29, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	579.4		0		
		Topsoil Dark brown, moist, organics	579.3				
		Clay Brown, soft, moist, some sand Sand inclusion at 0.28 mbg Grey, very soft					
		Sand Brown, wet, coarse, some clay	578.9			0.08%	
5		End of Borehole	577.9				

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




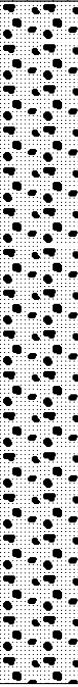
Borehole Log: Location 114

Project Name: Site Assessment

Date: September 28, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	580.5		0			
		Topsoil Dark brown, moist, some gravel, some pebbles, organics	580.3					
1		Silt Grey, loose, moist, gravel, some sand, some pebbles	580.1					
2		Sand and Gravel Brown, loose, moist, some pebbles						
5		End of Borehole	579.0					
6					2			
					1		0.52%	

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN



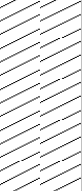
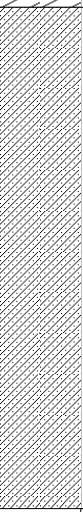
Borehole Log: Location 117

Project Name: Site Assessment

Date: September 26, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.5		0			
0		Topsoil Dark brown, moist, organics						
1		Clay Grey, very soft, moist, plastic Brown	579.2					
2		Clay with Sand Brown, soft, moist, trace pebbles, oxidation deposits	578.8					
3					1		3.58%	
4		Wet						
5		End of Borehole	578.0					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe


Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



TRIUM
2207, 120 5 Avenue West
Cochrane, AB T4C 0A4

Project No: T10-167-CEN





Borehole Log: Location 118

Project Name: Site Assessment

Date: September 26, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.7		0			
		Topsoil Dark brown, moist, organics						
			581.5					
1		Clay Brown, moist, some sand, some gravel, organics Soft						
			581.1					
2		Clay with Sand Brown, moist, fine, some pebbles, increasing sand with depth						
3					1		3.09%	
4								
5		End of Borehole	580.2					
6								
					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

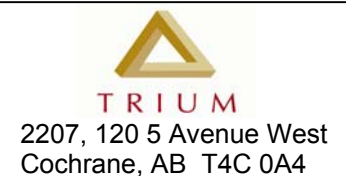
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




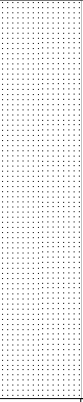
Borehole Log: Location 119

Project Name: Site Assessment

Date: September 26, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	581.2		0		
0		Topsoil Brown, dry, organics	581.1				
1		Clay Brown, firm, moist, gravel, some pebbles, trace sand					
2		Black, soft, some sand, oxidation deposits					
3		Wet	580.4			0.32%	
3		Sand Brown and orange, fine, some clay, some pebbles			1		
4							
5		End of Borehole	579.7				
6					2		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN





Borehole Log: Location 120

Project Name: Site Assessment

Date: September 26, 2011

Location: SW-30-05-13-W2M

Field Supervisor: LSL

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	581.4		0			
		Topsoil Dark brown, moist, some pebbles, organics	581.2					
1		Clay Grey, firm, moist, friable, gravel, pebbles, organics	580.9					
2		Clay with Sand Brown, moist, some pebbles, increasing sand with depth						
3		Wet				2.80%		
4								
5		End of Borehole	579.9					
6								

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 1002

Project Name: Site Assessment

Date: August 9, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	578.9		0		
0		Topsoil Dark brown, moist, organics					
1			578.6				
1		Sand Brown, loose, moist, trace clay, trace pebbles, oxidation deposits					
2			578.1				
2		Clay with Sand Grey mottling, soft, moist, trace pebbles, oxidation deposits, white precipitate in fractures			1	0.88% (Sept) : 1.99% (Aug)	
3							
4							
5							
6							
7							
8							
9							
10		Increasing silt			3		
11			575.4				
12		End of Borehole					
13					4		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

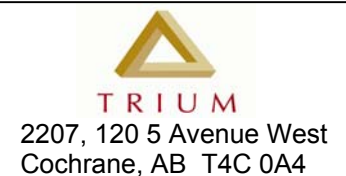
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 1003

Project Name: Site Assessment

Date: August 9, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	577.7				
0		Topsoil Dark brown, moist, organics			0		<p>Backfilled with Bentonite</p>
1		Sand Brown, loose, moist, trace clay, trace silt, trace pebbles	577.4				
2		Clay with Sand Soft, some silt, trace gravel, trace pebbles, oxidation deposits	576.9				
3					1	0.54% (Sept) : 1.77% (Aug)	
4							
5							
6							
7							
8			575.2				
8		End of Borehole					
9							
10							
11							
12							
13							

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




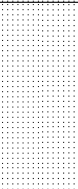

Borehole Log: Location 1004

Project Name: Site Assessment

Date: August 9, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	577.9		0			
0		Topsoil Dark brown, moist, organics	577.6					
1		Sand and Clay Brown, loose, moist, trace organics	577.3					
2		Sand Brown, loose, moist, some clay, trace pebbles, oxidation deposits						
3					1		1.43% (Sept) : 3.20% (Aug)	
4		Clay with Sand Soft, wet, some silt, trace gravel, oxidation deposits Moist, trace pebbles at 1.50 mbg	576.7					
5								
6					2			
7								
8								
9		End of Borehole	575.3					
10					3			
11								
12								
13					4			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

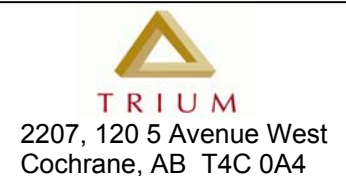
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

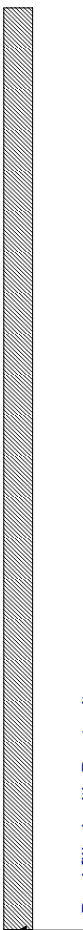

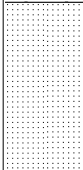
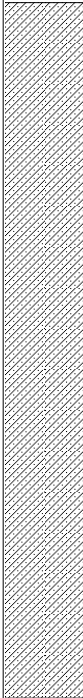
Borehole Log: Location 1001

Project Name: Site Assessment

Date: August 9, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	578.5		0		
0		Topsoil Dark brown, soft, moist, organics	578.3				
1		Sand Brown, loose, some clay, some silt, trace pebbles, trace organics					
2			577.8				
3		Clay with Sand Soft, moist, silt, trace pebbles, oxidation deposits			1	0.42% (Sept) : 1.54% (Aug)	
4							
5		Wet					
6		Grey mottling, moist, trace gravel					
7					2		
8							
9							
10		End of Borehole	575.5		3		
11							
12							
13					4		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN




Borehole Log: Location 1005

Project Name: Site Assessment

Date: August 9, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.1		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, dry - moist, organics						
1		Clay with Sand Light brown, loose, dry, trace gravel, trace pebbles	578.8					
2		Brown, moist, oxidation deposits						
3					1		0.63%(Aug) : 1.00% (Sept)	
4								
5		End of Borehole	577.6					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

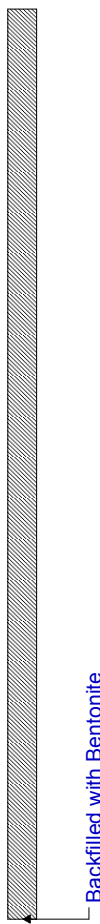



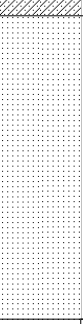
Borehole Log: Location 1006

Project Name: Site Assessment

Date: August 9, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.2		0			
0		Topsoil Dark brown, moist, organics						
1		Sand with Clay Brown, soft, moist, trace organics	578.0					
2		Clay with Sand Light brown, soft, moist, trace pebbles	577.6					
3		Sand Brown, loose	577.2		1		1.39% (Aug) : 1.61% (Sept)	
4		End of Borehole	576.7					
5								
6								
					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

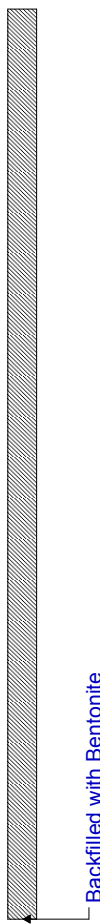

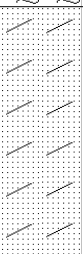
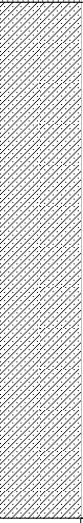
Borehole Log: Location 1007

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.2		0			
0		Topsoil Dark brown, moist, organics						
1		Sand and Clay Brown, soft, moist, trace organics	578.0					
2		Clay with Sand Brown with white precipitate, soft, moist, trace gravel, trace pebbles, oxidation deposits	577.6					
3					1		1.10% (Sept) : 2.39% (Aug)	
4								
5		End of Borehole	576.7					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

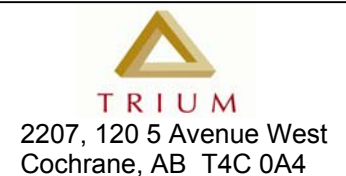
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

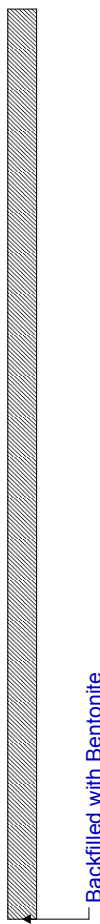

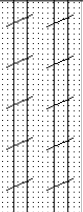
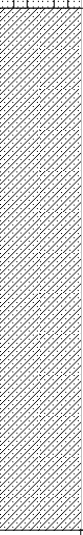
Borehole Log: Location 1008

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.8		0			
0		Topsoil Dark brown, moist, organics						
1		Sand with Clay and Silt Brown, loose, trace organics, oxidation deposits	579.5					
2		Clay with Sand Soft, moist, friable, trace silt, trace gravel, trace pebbles, oxidation deposits	579.2					
3					1		0.05% (Sept) : 0.10% (Aug)	
4								
5		End of Borehole	578.3					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

Borehole Log: Location 1011

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE		Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth		
0		Ground Surface	577.8		0		
0		Topsoil Dark brown, moist, organics					
1		Clay with Sand and Silt Brown, soft, moist, various organics	577.4				
2		Clay with Sand Light brown, moist, trace pebbles	577.0				
3					1	0.33% (Aug) : 3.12% (Sept)	
4							
5		Wet	576.3				
6		Clay Brown, moist, some sand, some silt, trace gravel, trace pebbles, trace coal, oxidation deposits					
7					2		
8		Coarse sand, wet, oxidation from 2.44 to 2.50 mbg					
9							
10			574.8		3		
11		End of Borehole					
12							
13					4		

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

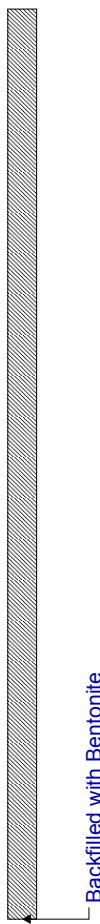

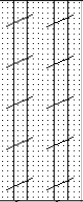
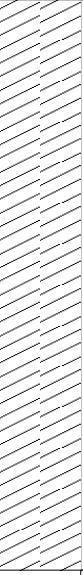
Borehole Log: Location 1012

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.4		0			
0		Topsoil Dark brown, moist, organics						
1		Silt with Clay and Sand Brown, loose, some pebbles	578.2					
2		Clay Brown, soft, moist, friable, some sand, some silt, trace gravel, trace pebbles, oxidation deposits	577.8					
5		End of Borehole	576.9					
1					1		0.56% (Aug) : 0.57% (Sept)	
2					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

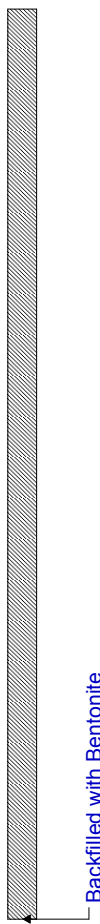

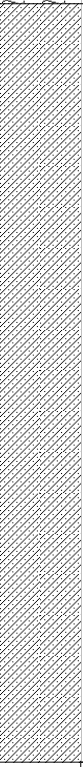
Borehole Log: Location 1013

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.6		0			
0		Topsoil Dark brown, moist, organics						
1		Clay with Sand Light brown, loose, dry, friable, trace pebbles, oxidation deposits	579.4					
3					1		0.30% (Sept) : 1.39% (Aug)	
5		End of Borehole	578.1					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

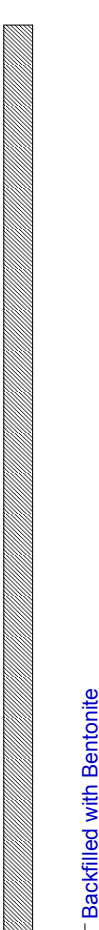
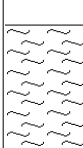
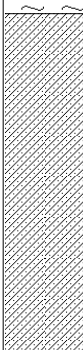
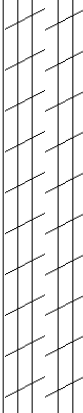
Borehole Log: Location 1014

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.5		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics						
1		Clay with Sand Soft, moist, trace organics, oxidation deposits	578.3					
3		Clay and Silt Soft, moist, trace sand, oxidation deposits	577.7		1		0.30% (Sept) : 2.77% (Aug)	
5		End of Borehole	577.0					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

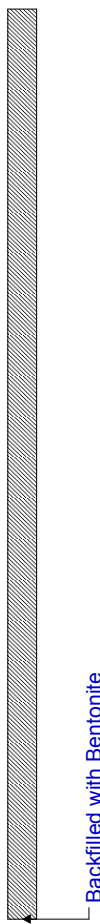

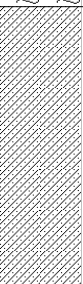
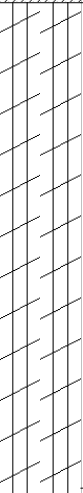
Borehole Log: Location 1015

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.7		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics						
1		Clay with Sand Soft, trace silt	578.5					
2								
3		Clay and Silt Soft, moist, trace sand, trace pebbles	578.0		1		0.86% (Sept) : 1.13% (Aug)	
4								
5		End of Borehole	577.2					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

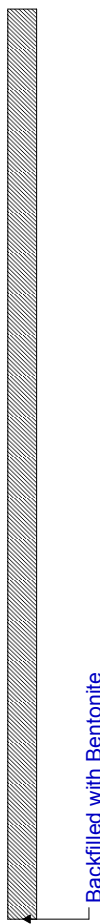

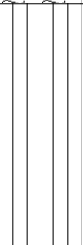
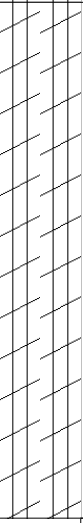
Borehole Log: Location 1016

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.4		0			
0		Topsoil Dark brown, moist, organics						
1		Silt Light brown, soft, moist, trace sand, trace silt, trace gravel, trace pebbles	578.1					
2		Clay with Silt Brown, soft, moist, trace sand, trace gravel, trace pebbles, oxidation deposits, coal deposits	577.8					
3					1		0.95% (Sept) : 1.42% (Aug)	
4								
5		End of Borehole	576.9					
6								
					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

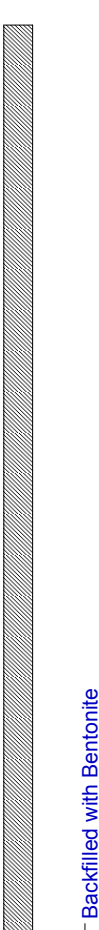
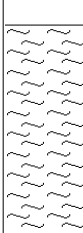
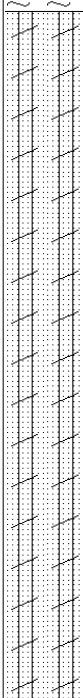
Borehole Log: Location 1017

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	577.5		0			
0		Topsoil Dark brown, moist, organics						
1		Clay with Silt and Sand Dark to light brown with increasing depth, increased sand from 0.36 to 0.46 mbg	577.1					
3					1		0.05% (Aug) : 0.05% (Sept)	
5		End of Borehole	576.0					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

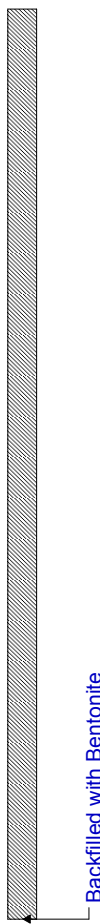

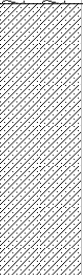
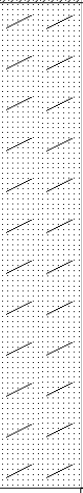
Borehole Log: Location 1018

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	577.9		0			
0		Topsoil Dark brown, moist, organics						
1		Clay with Sand Brown, soft, loose, moist, trace silt, trace organics	577.6					
2								
3		Sand and Clay Brown, loose, moist, oxidation deposits	577.2		1		0.10% (Aug) : 1.72% (Sept)	
4								
5		End of Borehole	576.4					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

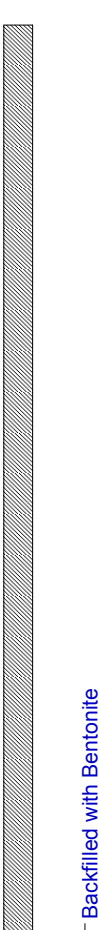
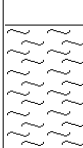
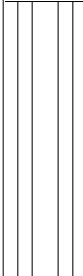
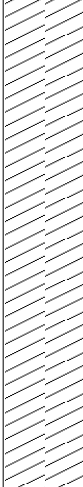
Borehole Log: Location 1021

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.1		0			
0		Topsoil Dark brown, moist, organics						
1		Silt Brown, loose, moist, some sand, trace organics	578.9					
2			578.4					
3		Clay Brown, moist, some sand, some silt, trace gravel, trace pebbles, oxidation deposits, coal deposits			1		0.67% (Sept) : 1.04% (Aug)	
5		End of Borehole	577.6					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

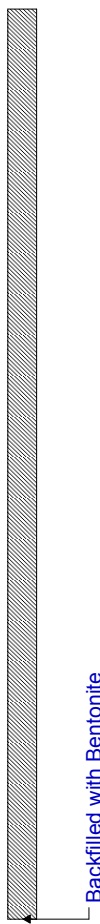

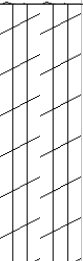

Borehole Log: Location 1022

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.1		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics						
1		Silt and Clay Light brown, soft, moist, trace sand, trace pebbles, trace organics	577.9					
2		Clay Brown, soft, moist, some sand, some silt, oxidation deposits Increased moisture with depth	577.5					
5		End of Borehole	576.6					
1					1		0.71% (Aug) : 1.05% (Sept)	
2								

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

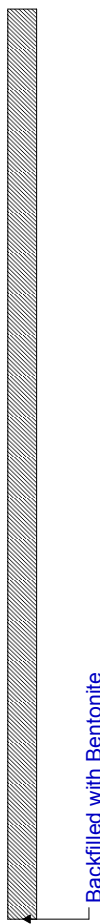

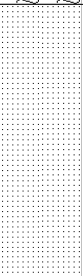
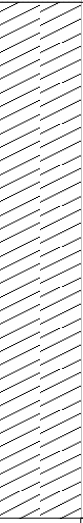
Borehole Log: Location 1023

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.7		0			
0		Topsoil Dark brown, moist, organics						
1		Sand Brown, soft, loose, moist, trace clay, trace silt, trace organics	578.5					
2		Clay Brown, soft, some sand, some silt, trace pebbles, oxidation deposits	578.1					
5		End of Borehole	577.2					
1					1		0.10% (Aug) : 0.90% (Sept)	
2					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

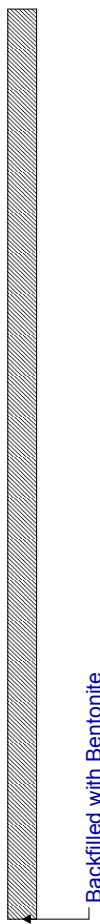

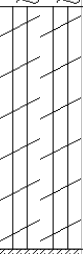
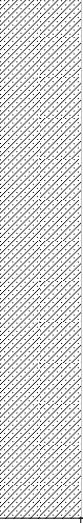
Borehole Log: Location 1024

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.9		0			
0		Topsoil Dark brown, soft, moist, organics						
1		Silt and Clay Light brown, soft, loose, some sand, trace pebbles, trace oxidation deposits	578.7					
2		Clay with Sand Brown, soft, moist, some silt, trace pebbles, oxidation deposits	578.3					
3					1		0.09% (Sept) : 0.95% (Aug)	
4								
5		End of Borehole	577.4					
6								
					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

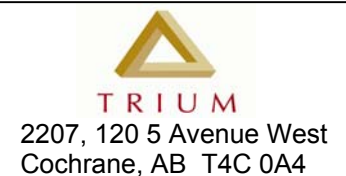
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

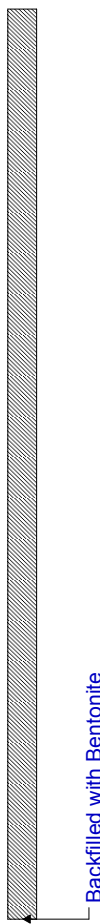

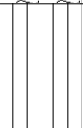

Borehole Log: Location 1025

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.4		0			
0		Topsoil Dark brown, moist, organics	578.3					
1		Silt Grey, very soft, very moist, some clay, trace organics	578.1					
2		Clay Brown, very soft, very moist, some silt, trace sand, trace pebbles, oxidation deposits						
5		End of Borehole	576.9					
1					1		0.06% (Aug) : 0.06% (Sept)	
2								
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

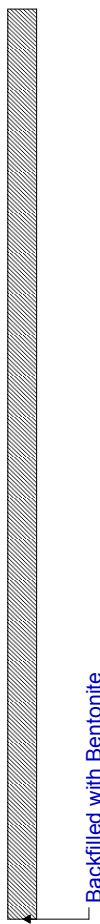

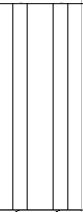

Borehole Log: Location 1026

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.9		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics						
1		Silt Light brown, loose, moist, some sand, trace organics	578.6					
2		Clay Brown, soft, moist, some sand, some silt, trace pebbles, oxidation deposits	578.3					
5		End of Borehole	577.4					
1					1		0.50% (Sept) : 0.94% (Aug)	
2								

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

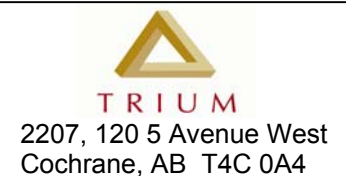
Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

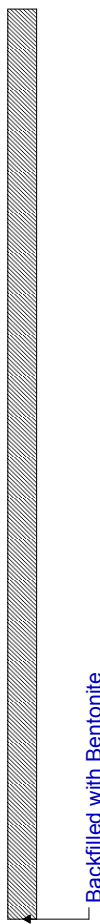

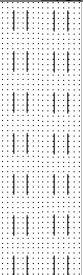
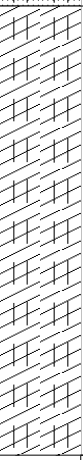
Borehole Log: Location 1027

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	577.7		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics						
1		Sand and Silt Brown, soft, moist, friable, some clay, trace organics	577.4					
2		Clay with Silt Brown, soft, moist, some sand, trace gravel, trace pebbles, oxidation deposits	576.9					
3					1		0.80% (Sept) : 1.24% (Aug)	
4								
5		End of Borehole	576.2					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

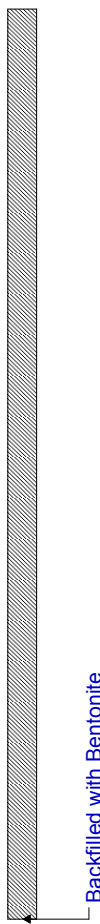



Borehole Log: Location 1028

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	577.9		0			
0		Topsoil Dark brown, moist, organics						
1		Sand with Silt Light brown, loose, moist, trace organics	577.6					
2		Clay with Silt Brown, soft, moist, trace gravel, trace pebbles, oxidation deposits Increasing sand with depth	577.4					
5		End of Borehole	576.4					
1					1		0.48% (Sept) : 0.85% (Aug)	
2					2			

Driller: Erncu Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

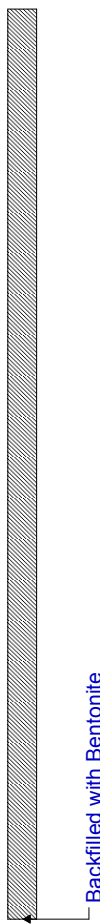

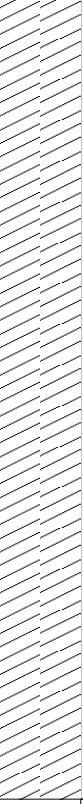
Borehole Log: Location 1030

Project Name: Site Assessment

Date: August 11, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	577.8		0			
0		Topsoil Dark brown, soft, moist, clay, organics						
1		Clay Light brown, soft, moist, some silt, trace sand, trace pebbles	577.6					
2		Brown, some sand, oxidation deposits, sand inclusions (minor)						
3					1		0.06% (Sept) : 0.27% (Aug)	
4								
5		End of Borehole	576.3					
6					2			

Driller: Erncos Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

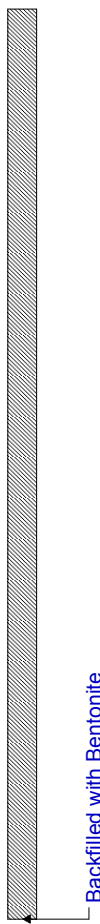

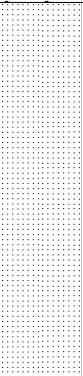
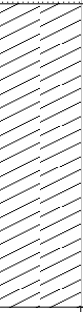
Borehole Log: Location 1031

Project Name: Site Assessment

Date: August 11, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	578.2		0			 <p>Backfilled with Bentonite</p>
0		Topsoil Dark brown, moist, organics						
1		Sand Light brown, loose, moist, some silt, trace pebbles, trace organics, white precipitate	577.8					
2		Brown, loose						
3		Clay Brown, soft, moist, some sand, some silt	577.2		1		0.93% (Sept) : 1.43% (Aug)	
4								
5		End of Borehole	576.7					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

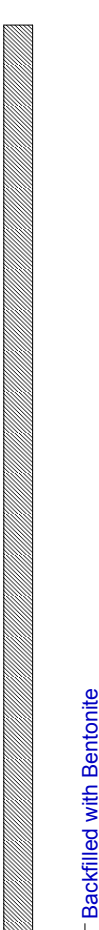
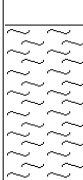
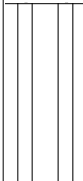
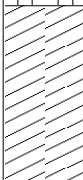
Borehole Log: Location 1033

Project Name: Site Assessment

Date: August 11, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.0		0			
0		Topsoil Dark brown, moist, organics						
1		Silt Brown, soft, moist, some sand, some clay, trace pebbles, trace organics	578.7					
2		Clay Moist, some silt, trace sand, trace pebbles, trace organics, oxidation deposits	578.4					
3					1		1.54% (Aug) : 1.85% (Sept)	
4								
5		End of Borehole	577.5					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min



Project No: T10-167-CEN

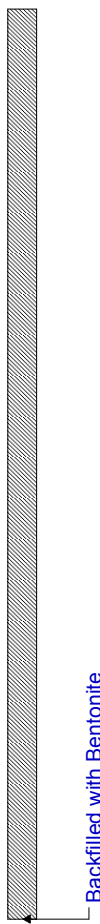

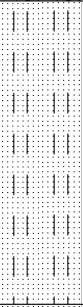
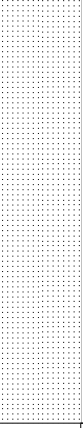
Borehole Log: Location 1034

Project Name: Site Assessment

Date: August 10, 2011

Location: 17/20-07-14-W2M

Field Supervisor: DB

SUBSURFACE PROFILE				SAMPLE			Field Measured CO2 %	Borehole Completion Details
Depth	Symbol	Description	Elev.	Sample ID	Depth	Type		
0		Ground Surface	579.2		0			
0		Topsoil Dark brown, moist, organics						
1		Sand and Silt Light brown and grey, dry, trace gravel, trace pebbles, trace organics, oxidation deposits	578.9					
2		Sand Brown, loose, moist, trace silt, trace pebbles, oxidation deposits	578.4					
3					1		0.93% (Sept) : 1.8% (Aug)	
4								
5		End of Borehole	577.7					
6					2			

Driller: Ernco Drilling

Slot Size: N/A

Drill Method: Direct Push Geoprobe

Coordinate System: NAD83/UTM Zone 13N

Well Diameter: N/A

Surface Completion: N/A

Hole Size: 5.72cm

Checked By: BJ Min

