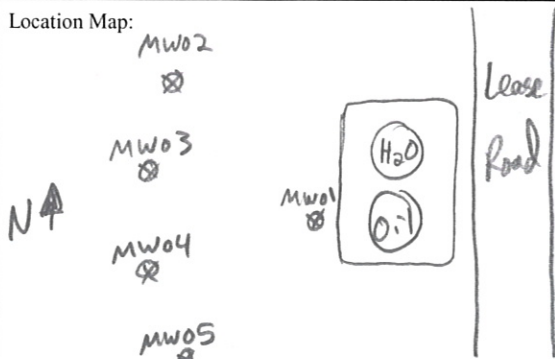

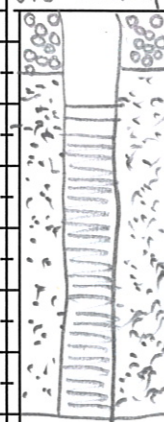


Location Map: <div style="display: flex; align-items: center; justify-content: space-around;">  </div>		 <b>Compliance   Engineering   Remediation</b> <b>LT Environmental, Inc.</b> <b>4400 West 46th Ave.</b> <b>Denver, Colorado 80212</b>	
<b>BORING LOG/MONITORING WELL COMPLETION DIAGRAM</b>			
Boring/Well Number: <b>MW01</b>		Project: <b>HSR-Bott 3-23/</b> <b>HSR-Fisher 6-23</b>	
Date: <b>1-19-11</b>		Project Number: <b>KMG 10821</b>	
Logged By: <b>Chris Roy</b>		Drilled By: <b>ACI</b>	
Elevation:	Detector: <b>MiniRae 2000 PID</b>	Drilling Method: <b>Direct Push</b>	Sampling Method: <b>Continuous</b>
Gravel Pack:		Seal: <b>Bentonite</b>	Grout: <b>None</b>
Casing Type:	Diameter:	Length:	Hole Diameter: <b>2.25"</b> Depth to Liquid: <b>3'</b>
Screen Type:	Slot:	Diameter:	Length:
		Total Depth: <b>12'</b>	Depth to Water: <b>4'</b>

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
	dry			NA	0			0'-3' Silty, Gravelly Sand, Brown, Dry, No stain, No odor	
	↓ moist	0.0			2	5'			
	↓ wet				4				
					6			3'-4' Sandy, clayey, Silty, Dark Brown, No stain, No odor, Moist	
					8	5'			
		375		8.5'	10			4'-8' M-F Sand, Brown, Wet, No stain, No odor	
				9.5'	12				
					14				
					16			8'-10' Sandy, Silty Clay, Tan, Wet, Very Cohesive, Mod-High plasticity, Stained w/odor from 8.5'-9.5'	
					18				
					20				
					22				
					24				
					26				
					28				
					30				

TD = 12'  
 Screen = 2'-12'  
 Sand = 1'-12'  
 Bentonite = 0'-1'

2.5' Steel Riser Stickup

Location Map:

See MWA



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**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number: MW02	Project: HSR-Bott 3-23/ HSR-Fisher 6-23
Date: 1-19-11	Project Number: KMG10821
Logged By: Chris Roy	Drilled By: ACI
Elevation:	Detector: MiniRae 2000 PID
Drilling Method: Direct Push	Sampling Method: Continuous
Gravel Pack:	Seal: Bentonite
	Grout: None
Casing Type:	Diameter: Length:
	Hole Diameter: 2.25" Depth to Liquid:
Screen Type:	Slot: Diameter: Length:
	Total Depth: Depth to Water:

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
	dry ↓ moist ↓ wet	0.0 0.0	none ↓	NA ↓	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30	5' 5'		0'-2.5' Silty Fine Sand, Dark Brown, Dry, No stain, No odor 2.5'-8' Clayey Silt, Tan, Gray, Moist @ 3', wet @ 4', No stain, No odor 8'-10' Fine Sand, orange-Tan, wet, No stain, No odor, Loose	2.5' Stickup

Location Map:

See mw01



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**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number: mw03	Project: HSR-Bott 3-23/HSP CO-23
Date: 1/19/11	Project Number: KME10821
Logged By: Burkhalter	Drilled By: ACI
Elevation:	Detector: MiniRae 2000
Drilling Method: direct push	Sampling Method: Continuous
Gravel Pack: Sand	Seal: Bentonite
Casing Type: PVC	Diameter: 1"
Screen Type: PVC	Slot:
Diameter: 1"	Length: 10'
Hole Diameter: 2.25"	Depth to Liquid:
Total Depth:	Depth to Water:

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0			Not Sampled	
					2			TD: 12'	
					4			Screen 2'-12'	
					6			Sand 1'-12'	
					8			bentonite 0'-1'	
					10				
					12				
					14				
					16			2.5' steel stick up	
					18				
					20				
					22				
					24				
					26				
					28				
					30				



Location Map:

See mw01



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**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number: mw04	Project: HSR Bott 3-23/HSR Fisher 1023
Date: 1/19/11	Project Number: RM610821
Logged By: Burkhalter	Drilled By: ACI
Elevation:	Drilling Method: direct push
Detector: MiniRae3000	Sampling Method: continuous
Gravel Pack: 10-20 silica sand	Seal: bentonite
Casing Type: PVC	Diameter: 1"
Screen Type: PVC	Length: 2'
Slot:	Hole Diameter: 0.25'
Diameter: 1"	Depth to Liquid:
Length: 10'	Depth to Water:
Total Depth:	

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0			Not Sampled	
					2			TD: 12'	
					4			Screen 2'-12'	
					6			Sand 1'-12'	
					8			Bentonite 0'-1'	
					10				
					12				
					14			2.5' steel stick up	
					16				
					18				
					20				
					22				
					24				
					26				
					28				
					30				

Location Map:

See map



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**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number: mw05	Project: HSR-Bot 3-23/HSR Fisher 6-23
Date: 1/19/11	Project Number: KMG10821
Logged By: Burkhalter	Drilled By: ACT
Elevation:	Detector: Minirau 2000
Drilling Method: direct push	Sampling Method: continuous
Gravel Pack: 10-20 silica sand	Seal: bentonite
Casing Type: PVC	Diameter: 1"
Screen Type: PVC	Length: 2"
Slot:	Hole Diameter: 2.25"
Diameter: 1"	Depth to Liquid:
Length: 10'	Depth to Water:
Total Depth:	

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0			Not Sampled	
					2			TD 12'	
					4			Screen 2'-12'	
					6			Sand 1'-12'	
					8			bentonite 0'-1'	
					10			2.5 steel stick up	
					12				
					14				
					16				
					18				
					20				
					22				
					24				
					26				
					28				
					30				

Well Location Sketch:

MW06

MW07

MW08



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW06	Project: HRR Bot 3-23/ Fischer 6-23
Date: 6/23/11	Project Number: KMG10821
Logged By: Andy Verbonitz	Drilled By: Bill Tro

Elevation:	Detector: PID	Drilling Method: Direct push	Sampling Method: Continuous
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Gravel Pack: 10-20 Silica sand	Seal: Bentonite chips	Grout: none
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Casing Type: PVC	Diameter: 1"	Length: 5'	Hole Diameter: 2.5"	Depth to Liquid: NA
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Screen Type: PVC	Slot: 0.010	Diameter: 1"	Length: 10'	Total Depth: 12'	Depth to Water: 5'
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Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram, riser 2
low	moist	0.4	none	NA	0	X	60%	CL	0'-1.5' not recovered	
					2	X			1.5'-3' sandy clay, brown, no odor, no stain, medium cohesiveness, moist	
		0.6			4	X	60%	CH	3'-5' - medium to coarse sand, light brown/tan, no odor, no stain, moist	
	wet				6	X				
		0.7			8	X	80%	SW	5'-7' - clay w/ silt, tan, no odor, no stain, medium-high plasticity, wet	
					10	X			7'-12' - medium-coarse sand, tan, no odor, no stain, wet	
					12					
					14					
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

Well Location Sketch:

see  
mw06

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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: <b>MW07</b>	Project: <b>HSR. B011 3-23</b> <b>Fischer 6-23</b>		
Date: <b>6/23/11</b>	Project Number: <b>KM 610821</b>		
Logged By: <b>Audy Verboni &amp; Z</b>	Drilled By: <b>Dell Pro</b>		
Elevation:	Detector: <b>PID</b>	Drilling Method: <b>Direct push</b>	Sampling Method: <b>Continuous</b>
Gravel Pack: <b>10-20 Silica sand</b>	Seal: <b>Bentonite chips</b>	Grout: <b>none</b>	
Casing Type: <b>PVC</b>	Diameter: <b>1"</b>	Length: <b>5'</b>	Hole Diameter: <b>2.5"</b>
Screen Type: <b>PVC</b>	Slot: <b>0.010</b>	Diameter: <b>1"</b>	Length: <b>6'</b>
		Total Depth: <b>12'</b>	Depth to Liquid: <b>2.5'</b>
			Depth to Water: <b>5'</b>

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
low	moist	0.4	none	NA	0				0'-5' sandy clay, brown, no odor, no stain, low plasticity, moist	
					2			CL		
					4					
					6			CH	5'-8' silty clay, tan, no odor, no staining, low-medium plasticity, wet	
					8					
					10			SW		
					12					
					14				8'-12' medium-coarse sand, tan, no stain, no odor, low plasticity	
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

Well Location Sketch:

see  
mw06

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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: MW08

Project: B011 3-23  
Fischer 6-23

Date: 8/23/11

Project Number:  
KMG 10821Logged By:  
not loggedDrilled By:  
Drill Pro

Elevation:

Detector: NA

Drilling Method:

Direct push

Sampling Method:

Continuous

Gravel Pack:

10-20 Silica sand

Seal:

Bentonite chips

Grout:

none

Casing Type:

PVC

Diameter:

1"

Length:

5'

Hole Diameter:

2.5"

Depth to Liquid:

NA

Screen Type:

PVC

Slot:

0.010

Diameter:

1"

Length:

10'

Total Depth:

12'

Depth to Water:

NA

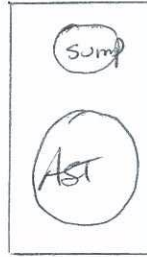
Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
	NA	NA	NA	NA	0				not logged see mw06, mw07	
					2					
					4					
					6					
					8					
					10					
					12					
					14					
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					



Location Map:



OW 01 15' 0  
ASol



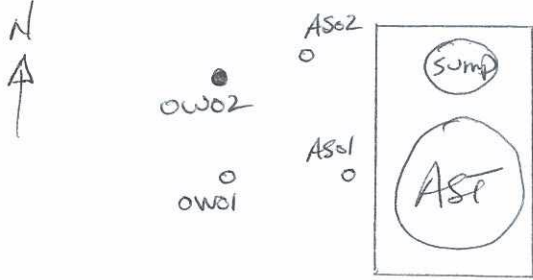
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**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number: <b>OW 01</b>	Project: <b>HSR-Bott 3-23, HSR- Fischer 6-23</b>
Date: <b>3/25/14</b>	Project Number: <b>KMG10821</b>
Logged By: <b>M. Unger</b>	Drilled By: <b>High Plains</b>
Drilling Method: <b>Direct Push</b>	Sampling Method: <b>Continuous</b>
Gravel Pack: <b>10-20 Silica Sand 2'-13'</b>	Seal: <b>Bentonite chips 1'-2'</b>
Casing Type: <b>Sch 40 PVC</b>	Grout: <b>sakrete 0-1' NA</b>
Screen Type: <b>Sch 40 PVC</b>	Hole Diameter: <b>3 1/4"</b>
Slot: <b>0.010"</b>	Depth to Liquid: <b>4'</b>
Diameter: <b>1"</b>	Depth to Water: <b>4'</b>
Length: <b>3'</b>	
Length: <b>10'</b>	
Total Depth: <b>13'</b>	

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0				Flushmount
		1	NO	15'	2		Ch	Clay, sandy, brown, moist	
		16	YES	4-6'	4	1545	SC	Sand, v.fg - fg, clayey, gray to black stained, wet @ 4' BGS, odor	
		43	YES	6' 1550	6				
		2	NO		8	1550	SC	Sand, v.fg - c.g., slightly clayey to clayey, brown to yellow brown, wet, no staining or odor	
		0	NO		10				
		0	NO		12	1600			
					14			TD = 13' BGS	
					16			collected groundwater sample @ 1630	
					18				
					20				
					22				
					24				
					26				
					28				
					30				

Location Map:



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**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number:

OW02

Project:

HSR-Bott 3-23, HSR- Fischer 6-23

Date:

3/25/14

Project Number:

KMG10821

Logged By:

M. Unger

Drilled By:

High Plains

Elevation:

Detector:

4-Gas Meter

Drilling Method:

Direct Push

Sampling Method:

Continuous

Gravel Pack:

10-20 Silica Sand

2'-13'

Seal:

Bentonite chips

1'-2'

Grout:

Sakrete 0-1' NA

Casing Type:

Sch 40 PVC

Diameter:

1"

Length:

Hole Diameter:

3 1/4"

Depth to Liquid:

Screen Type:

Sch 40 PVC

Slot:

0.010"

Diameter:

1"

Length:

Total Depth:

13'

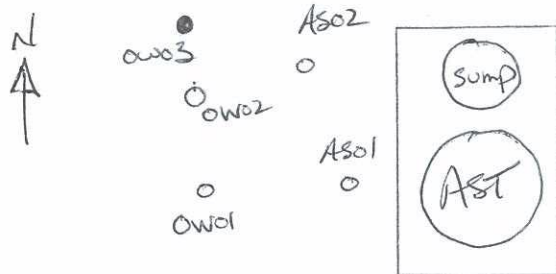
Depth to Water:

4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
		0	NO		0		Ch	Clay, sandy, brown, moist	Flushmount
		12	yes	1.5'	2		SC	Sand, v.f.g. - f.g., clayey, gray to black stained, odor, wet @ 2' bgs	
		48	yes	3'-5'	4				
		2	yes	6'	6				
			NO		8		SC	Sand, v.f.g. - c.g., clayey to slightly clayey, yellow brown to brown, wet	
			0		10				
			0		12			6" clay lens 11.5' - 12' BGS	
					14				
					16			TD = 13' BGS	
					18			collected groundwater sample @ 16.25	
					20				
					22				
					24				
					26				
					28				
					30				



Location Map:



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: OW03	Project: HSR-Bott 3-23, HSR- Fischer 6-23
Date: 3/25/14	Project Number: KMG10821
Logged By: M. Unger	Drilled By: High Plains
Drilling Method: Direct Push	Sampling Method: Continuous
Seal: Bentonite chips	Grout: NA
Casing Type: Sch 40 PVC	Diameter: 1" Length: 3' Hole Diameter: 3/4" Depth to Liquid:
Screen Type: Sch 40 PVC	Slot: 0.010" Diameter: 1" Length: 10' Total Depth: 13' Depth to Water: ~4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0				Flushmount
		1	No		2		CL	Clay, sandy, brown, moist	
		11	yes	2'	4	1440	Ch	Clay, sandy, gray stained, moist, odor	
		35	yes	4-6'	6		SC	Sand, v.f.g. - f.g., clayey, gray stained, odor, wet @ 4' BGS	
		1	No	6.5'	8	1445	SC		
		0	No		10		SP	Sand, v.f.g. - c.g., slightly clayey, to clayey, yellow brown to brown, wet, no staining or odor; 6" clay lens @ 11'-11.5'	
					12	1455			
					14				
					16				
					18				
					20				
					22				
					24				
					26				
					28				
					30				

TD = 13' BGS

collected groundwater sample @ 1620



Location Map:



OW03

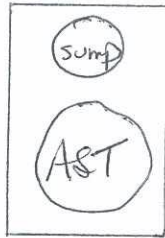
OW04

AS02

OW02

OW01

AS01



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

OW04

Project:

HSR-Bott 3-23, HSR- Fischer 6-23

Date:

3/25/14

Project Number:

KMG10821

Logged By:

M. Unger

Drilled By:

High Plains

Elevation:

Detector:

4-Gas Meter

Drilling Method:

Direct Push

Sampling Method:

Continuous

Gravel Pack:

10-20 Silica Sand

2'-13'

Seal:

Bentonite chips 1'-2'

Grout:

Sokute 0-1' NA

Casing Type:

Sch 40 PVC

Diameter: 1"

Length:

Hole Diameter: 3 1/4"

Depth to Liquid:

Screen Type:

Sch 40 PVC

Slot:

0.010"

Diameter: 1"

Length: 10'

Total Depth:

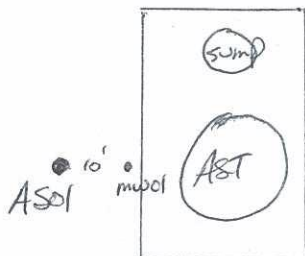
Depth to Water:

4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
					0		CL	Clay, sandy, brown, moist	Flushmount
					2				
					3	1405	SC	Sand, v.f.g.-f.g., clayey, gray stained, slight odor, wet @ 4' bgs	
					4				
					6				
					8	1410	SC	Sand, v.f.g.-f.g., clayey, yellow brown to brown, wet, no staining or odor.	
					10				
					12	1420	SC	Sand, v.f.g.-c.g., slightly clayey to clayey, brown, wet	
					14			TD = 13' BGS	
					16				
					18				
					20			collected groundwater sample @ 16' bgs	
					22				
					24				
					26				
					28				
					30				



Location Map:



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: <b>ASol</b>	Project: HSR-Bott 3-23, HSR- Fischer 6-23
Date: <b>3/25/14</b>	Project Number: KMG10821
Logged By: M. Unger	Drilled By: High Plains
Elevation:	Detector: 4-Gas Meter
Drilling Method: Direct Push	Sampling Method: Continuous
Gravel Pack: 10-20 Silica Sand <b>12'-16'</b>	Seal: Bentonite chips <b>10'-12'</b>
Casing Type: Sch 40 PVC	GROUT: <b>3'-10'</b> NA
Screen Type: Sch 40 PVC	Slot: 0.010"
Diameter: <b>2"</b>	Length: <b>14'</b>
Diameter: <b>2"</b>	Length: <b>2'</b>
Hole Diameter: <b>8"</b>	Depth to Liquid: <b>5'</b>
Total Depth: <b>16'</b>	Depth to Water: <b>5'</b>

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
6/24		1	NO	2-4'	0		CL	Clay, brown, sandy, moist	
17/24	179	YES			2	0950	CL		
21/24	214			4-6'	4	0955	SC	Sand, v.f.g.-v.c.g., gray to black stained, wet @ 5' bgs, odor	
30/24	101	YES			6	1000	SC		
28/24	54				8	1005	SC		
	2	NO			10	1010	CL	very Clay, sandy, v.f.g.-f.g., brown, wet, no odor or staining	
17/24	0				12	1015	SC		
22/24	0				14	1020	SC	Sand, v.f.g.-f.g., clayey, brown, no odor or staining, wet	
					16	1030			
					18			TA = 16' BGS	
					20				
					22			Collected groundwater sample @ 1315	
					24				
					26				
					28				
					30				

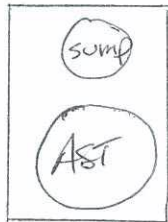


Location Map:



AS02

AS01

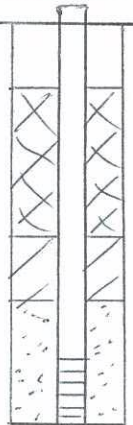


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**LT Environmental, Inc.**  
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 Arvada, Colorado 80003

**BORING LOG/MONITORING WELL COMPLETION DIAGRAM**

Boring/Well Number: A502	Project: HSR-Bott 3-23, HSR- Fischer 6-23		
Date: 3/25/14	Project Number: KMG10821		
Logged By: M. Unger	Drilled By: High Plains		
Drilling Method: Direct Push	Sampling Method: Continuous		
Seal: Bentonite chips 7'-9'	Grout: 3'-7' NA		
Diameter: 2" Length: 11'	Hole Diameter: 8"	Depth to Liquid: —	
Diameter: 2" Length: 2'	Total Depth: 13'	Depth to Water: 5'	

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Soil/Rock Type	Lithology/Remarks	Well Completion
<i>6/24</i>			NO		0		CH	Clay, sandy, brown, moist	
<i>10/29</i>			YES	<i>2'-4'</i>	2	<i>1220</i>	CH		
<i>9/29</i>			YES	<i>4'-6'</i>	4	<i>1225</i>	SC	Sand, v.f.g.-f.g., clayey, gray to black stained, odor, wet @ 4' bgs	
					6	<i>1230</i>			
					8	<i>1235</i>	SC	Sand, v.f.g.-f.g., clayey, yellow brown to brown, no odor or staining, wet	
			NO		10	<i>1240</i>			
			NO		12	<i>1250</i>	SC	Sand, v.f.g.-c.g., clayey, yellow brown, wet	
			NO		14	<i>1300</i>			
					16			TA = 13' BGS	
					18				
					20				
					22			collected groundwater sample @ 1400	
					24				
					26				
					28				
					30				



Well Location Sketch:

ASO3  
△H2O  
○ Tanks

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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: ASO3 Project: HSR-Bott 3-23, HSR-Fisher 6-23

Date: 6/30/14 Project Number: kmg10821

Logged By: Jeremy Espinoza Drilled By: Northern Plains

Elevation: Detector: PID Drilling Method: Auger Sampling Method: Continuous

Gravel Pack: Silica Sand Seal: Bentonite Grout: Cement/Bentonite

Casing Type: PVC Diameter: 2" Length: 15.5' Hole Diameter: 8" Depth to Liquid:

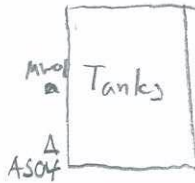
Screen Type: PVC Slot: 0.01 Diameter: 2" Length: 2' Total Depth: 16' Depth to Water: ~4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
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					0					
			Stain		2				Potholed, not logged	Native
					4					Native
					6					
Wet	235.1	Stain	None		8	2	2	SP	6-7 - Sand, med grain, black, wet, stained	
	0.0				10	2	2	CL		
	0.0				12	2	2	SW	7-10' Sandy clay, grey to tan, wet, med plasticity, mod cohesion, stain for 3", then no stain	
	0.0				14	2	2			
	0.0				16	2	2			
					18					
					20				10-16' Clayey sand, tan, wet, no stain, no odor	
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					



Well Location Sketch:



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: AS04 Project: HSR-Bott 3-23, HSR-Fisher 6-23

Date: 6/30/14 Project Number: kmg10821

Logged By: Jeremy Espinoza Drilled By: Northern Plains

Elevation: Detector: PID Drilling Method: Auger Sampling Method: Continuous

Gravel Pack: Silica Sand Seal: Bentonite Grout: Cement/Bentonite

Casing Type: PVC Diameter: 2" Length: 15.5' Hole Diameter: 8" Depth to Liquid:

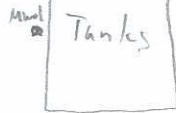
Screen Type: PVC Slot: 0.01 Diameter: 2" Length: 2' Total Depth: 16' Depth to Water: ≈ 4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
			Stain		2				Potholed, not logged	Native
					4					Native
					6					
	Wet	135.4	Stain		8	2	2	CL	6-9' Sandy clay, grey to tan, wet mod plasticity, mod cohesion, stain 6-7'	
		0.0	None		10	2	2			
		0.0			12	2	2			
		0.0			14	2	2	CW	9'-16' Clayey sand, tan, wet, no stain, no odor	
		0.0			16	2	2			
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

Well Location Sketch:



ASOS



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: ASOS Project: HSR-Bott 3-23, HSR-Fisher 6-23

Date: 6/30/14 Project Number: kmg10821

Logged By: Jeremy Espinoza Drilled By: Northern Plains

Elevation: Detector: PID Drilling Method: Auger Sampling Method: Continuous

Gravel Pack: Silica Sand Seal: Bentonite Grout: Cement/Bentonite

Casing Type: PVC Diameter: 3" Length: 12.5' Hole Diameter: 8" Depth to Liquid: —

Screen Type: PVC Slot: 0.01 Diameter: 2" Length: 2' Total Depth: 13' Depth to Water: ≈ 4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
					2					
					4					
					6					
	Wet	0.0	None		8	2	2	SP	6-8' Med Sand, tan wet, well sorted, no stain, no odor	
		72.3	Stain		10	2	2	SW	8-10' Clayey med sand, tan, wet slight stain	
		0.0	none		12	2	2	SP	10-13, Med Sand, tan, no stain, no odor	
		0.0			14	1	1			
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

NOTES

Page of

Well Location Sketch:



Δ  
AWOG

Mono  
& Tanks



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## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: AS06 Project: HSR-Bott 3-23, HSR-Fisher 6-23

Date: 6/30/14 Project Number: kmg10821

Logged By: Jeremy Espinoza Drilled By: Northern Plains

Elevation: \_\_\_\_\_ Detector: PID Drilling Method: Auger Sampling Method: Continuous

Gravel Pack: Silica Sand Seal: Bentonite Grout: Cement/Bentonite

Casing Type: PVC Diameter: 2" Length: 12.5' Hole Diameter: 8" Depth to Liquid: \_\_\_\_\_

Screen Type: PVC Slot: 0.01 Diameter: 2" Length: 2' Total Depth: 13' Depth to Water: ~4'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
					2					
					4					
					6					
	wet	0.0	None		8	2	2	SP	6-10' Med sand, tan, wet	
		83.5	Stain		10	2	2		Stain 7-9'	
		0.0	None		12	2	2	SW	10-13' Clayey med sand,	
		0.0			14	1	1		tan, wet, no stain	
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					