

Well Location Sketch:

9N

former pad

MV25

SB33

SB34

SB35

AG



Compliance • Engineering • Remediation

LT Environmental, Inc.

4600 W. 60th Avenue

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB33

Project:

Jack Beyer C #1

Date:

1-15-2020

Project Number:

014215255

Logged By:

Daniel Thomas

Drilled By:

Site Services

Elevation:

N/A

Detector:

MinirAE 3000

Drilling Method:

Geo Probe/Direct Push

Sampling Method:

Continuous

Gravel Pack:

Washed silica sand

Seal:

Bentonite

Grout:

N/A

Casing Type:

PVC

Diameter:

1"

Length:

—

Hole Diameter:

2.25"

Depth to Liquid:

—

Screen Type:

PVC

Slot:

0.01

Diameter:

1"

Length:

—

Total Depth:

20'

Depth to Water:

9'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0				Hand Auger/Athole to 8' bgs	
	Moist	19.3	NONE						0'-1' Clay some FG-VG. Sand + Gravels, little silt, dark brown, moist, low plasticity, cohesive	
	Sl. Moist	41.1	Yes	SB33 @ 2' (1240)	2			CL	1'-4' Clay little silt, little VFg Sand, dark brown, moist, low plasticity, cohesive, stain, odor.	
		34.3			4				4'-5' Clay trace VFg. Sand, grey, slightly moist, low plasticity, cohesive, stain, odor	
		10.0							5'-6' VFg-Mg Sand some clay, grey, sl. moist, poorly-graded, stain/odor	
	Dry	5.1			6			SC		
		9.9								
	Moist	19.9						CL	6'-7.5' Clay trace VFg. Sand, dark grey, moist, low plasticity, cohesive, stain/odor.	
		17.8			8			SP		
	Saturated								7.5'-8.5' VFg-Fg. Sand trace - few clay, dark grey, moist, poorly-graded, stain/odor.	
		137.0			10			CL	8.5'-10' Clay little VFg-Mg. Sand, dark grey/black, saturated @ 9', low plasticity, cohesive, stain, odor.	
					12	7' 5'			10'-18' VFg-Mg. Sand trace clay, dark grey/black @ 14', then brown, saturated, stained till 14', odor, poorly-graded	
		388.0			14			SP	18'-20' Clay trace - few VFg-Fg. Sand, brown, saturated, low plasticity, cohesive, no stain, slight odor.	
		81.2	NONE	SB33 @ 14' (1409)	16					
					18	5' 5'				
		11.1						CL		

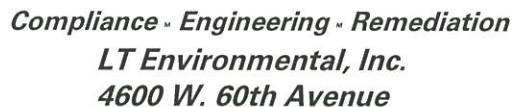
Hole abandoned per  
IEPA guidance.

NOTES:

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Well Location Sketch:

Ref. SB33



Boring/Well Number: 5834	Project: Jack Bengert C Unit #1
Date: 1-15-20	Project Number: 014215255
Logged By: Daniel Thomas	Drilled By: Site Services

Drilling Method: Geo Probe/Direct Push	Sampling Method: Continuous
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Seal:	Grout:
Bentonite	N/A

Diameter: 1"	Length: —	Hole Diameter: 2.25"	Depth to Liquid: —
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Diameter: 1"	Length: —	Total Depth: 20'	Depth to Water: 14'
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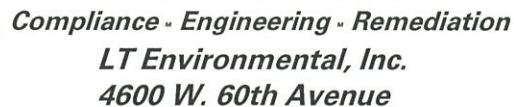
Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0				0'-8' Hand Auger / Potholed	
	moist	1.0	NOM					CL	0'-3' Clay some silt little VFg. Sand trace gravels, brown moist, low plasticity, cohesive, No stain/odor	
		1.2			2					
		1.1							3'-12' Clay trace - few VFg. Sand, brown, moist, low plasticity, cohesive, No stain/odor.	
		1.1			4					
		1.5							12'-20' VFg-Mg. Sand trace clay, brown → grey/black, moist → saturated @ 14', poorly-graded, stain/odor	
		1.6			6					
		1.8						SP @ CL	from 14'-18'	
		1.8			8					
		3.5		SB34 C10' (1525)	10					
						7' 4.5'				
					12					
	Saturated 85.3		yes		14			SP		
		603.7		SB34 C17' (1536)	16			5' 5'		
			NOM		18					
		10.4								

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Well Location Sketch:

Ref. SB33

[illegible]

Logged By: Daniel Thomas	Drilled By: Site Services
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Gravel Pack:	Seal:	Grout:
Washed silica sand	Bentonite	N/A

Screen Type: PVC	Slot: 0.01	Diameter: 1"	Length: 	Total Depth: 20'	Depth to Water: 13'
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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
					0				0-8' Hand Auger / Pot Holed	
	Moist ↓ SL. Moist	1.0 1.1 1.0 1.4 1.3 1.5 1.5	None						Silt & clay 0'-4' clay some silt trace vfg, sand, brown, moist, 4'-9' vfg-fg sand, some clay, little silt, brown, slightly-moist, poorly-graded, NO stain/odor, increasing clay content w/ depth (5' → 9') 9'-13' clay some silt trace vfg, sand, brown, moist, low plasticity, cohesive, NO stain/odor.	
	Moist ↓ Saturated	1.0 1.7  1.8 2.3 2.1 2.4		SB35 @ 10' (1945)          SB35 @ 20' (1575)	8  10 12 14 16 18	7' 5'    5' 5'		SP	13'-20' vfg-Mg sand, trace-few clay, brown, saturated, poorly-graded, NO stain/odor.       Hole abandoned per EPA guidance	

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