

Well Location Sketch:



Compliance - Engineering - Remediation

LT Environmental, Inc.

4600 W. 60th Avenue

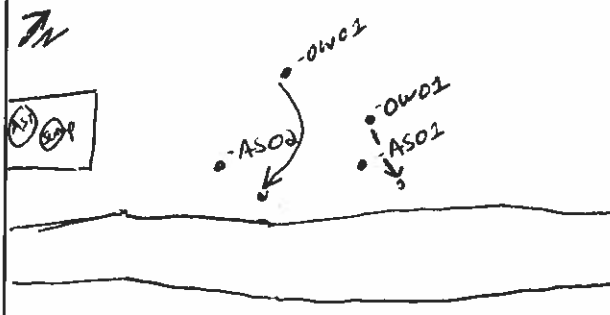
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: AS01	Project: Platteville Compressor Station
Date: 9/14/2018	Project Number: 14213112
Logged By: Jeremy Espinoza	Drilled By: Site Services
Elevation: N/A	Detector: PID
Drilling Method: HSA	Sampling Method: Continuous
Gravel Pack: Silica Sand	Seal: Bentonite
Casing Type: PVC	Grout: Portland
Screen Type: PVC	Slot: 0.010
Diameter: 2"	Length: 25'
Hole Diameter: 8"	Depth to Liquid: —
Total Depth: 27'	Depth to Water: 14'

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					
					8					
					10				Hydrovacted/Not Logged	
	moist ↓	0.7	none	NA	12	3	3	SW	10-16 fine grained sand with clay, light brown, moist, low plasticity, non cohesive, no stain, no odor	
	wet ↓	550	Slight		14				- Slight stain and wet 14-16'	
	moist ↓	328	none		16	5	5	CH		
	wet ↓	145			18			CL	16-18' Clay, dark brown, moist, high plasticity, cohesive, no stain, no odor	
		7.1			20	5	5		18-24' Fine sandy clay, light brown, wet, mud plasticity, none cohesive, no stain, no odor	
		6.1			22				24-27' Fine sandy clay with trace gravel, light brown, wet, low plasticity, low cohesion, no stain, no odor	
					24	4			Completed as PVC Risers	
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

NOTES:

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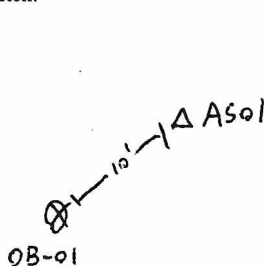
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: ASO2	Project: Platteville Compressor Station
Date: 9/14/2018	Project Number: 14213112
Logged By: Daniel Thomas	Drilled By: Site Services
Drilling Method: Hollow Stem auger	Sampling Method: Continuous
Seal: Bentonite	Grout: Portland
Casing Type: PVC	Diameter: 2" Length: 25'
Screen Type: PVC	Hole Diameter: 8" Depth to Liquid: 15.5
Slot: 0.010"	Diameter: 2" Length: 2'
	Total Depth: 21' Depth to Water: 15.5

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					
					8					
					10				Hydrovacted/Not Logged	
					12	3' 5'	CL		10'-17' FG-MG Sandy Clay w/ gravels, dark brown, low plasticity, cohesive, no stain, no odor.	
					14				→ wet @ 15.5'	
					16	5' 5'	CL		18'-22' clay, brown, high plasticity, cohesive, black stain @ 18', odor	
					18				→ trace sand @ 20.5'	
					20	5' 5'	CL		→ trace gravels @ 20.5'	
					22				22'-23' clay, light brown, mod. plasticity, cohesive, no stain, no odor	
					24	6' 5'	CL		23'-25.5' clay, brown, mod. plasticity, cohesive, no stain, odor	
					26				→ trace sand	
					28				25.5' - 28' clay, light brown, high plasticity, cohesive, no stain, odor	
					30					
					32					
					34					
					36					
					38					
					40					

Completed as PVC
Stickup
(Sand 2' above screen,
3' bentonite, grout to
surface)

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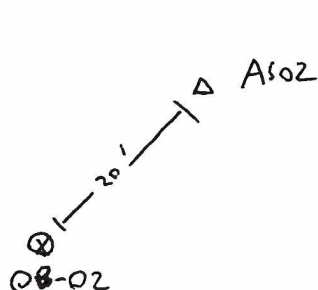
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: 0B-01		Project: Platteville Compressor Station	
Date: 9/14/2018		Project Number: 14213112	
Logged By: JEREMY PIKE		Drilled By: Site Services	
Drilling Method: DIRECT PUSH		Sampling Method: CONTINUOUS	
Seal: Bentonite		Grout: NONE	
Diameter: 1"	Length: 10'	Hole Diameter: 2.25"	Depth to Liquid:
Diameter: 1"	Length: 20'	Total Depth: 30'	Depth to Water: 14.5' 18"

Elevation: N/A	Detector: PID	Drilling Method: DIRECT PUSH	Sampling Method: CONTINUOUS		
Gravel Pack: Silica Sand	Seal: Bentonite	Grout: NONE			
Casing Type: PVC	Diameter: 1"	Length: 10'	Hole Diameter: 2.25"	Depth to Liquid:	
Screen Type: PVC	Slot: 0.010"	Diameter: 1"	Length: 20'	Total Depth: 30'	Depth to Water: 14.5' 18"

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					
					8				6" DIAMETER ANNULUS	
					10				Hydrovacted/Not Logged	
	moist	0.9			12		4/5	SP	10'-11'-SP, SAND, orangish brown, fine grained, moist, no stain/odor	
	WET	15.1			14		4/5	CL	11'-14.5' CL, sandy SILTY CLAY, lt. brown, fine grained sand, low plasticity, moist, no stain/odor	
	moist	13.9			16		4/5	CL	14.5'-15.5'-SW, SAND, lt. brown, wet, no stain/odor	
		33			18		4/5	CL	15.5'-25.5'-CL, SILTY CLAY, lt. brown, fine grained sands, trace sand stringers, medium plasticity, moist, no stain/odor	
		107			20		4/5	CL	25.5'-27.5'-SAA, trace medium sand	
		78			22		4/5	CL	27.5'-30'-CL, SILTY CLAY, lt. brown, little medium fine/medium grained sand, medium plasticity, dry, no stain/odor	
		72.7			24		4/5	CL		
		0.9			26		4/5	CL		
		7.7			28		4/5	CL		
		0.0			30		4/5	CL		
		0.0			32		4/5	CL		
		0.1			34		4/5	CL		
					36		4/5	CL		
					38		4/5	CL		
					40		4/5	CL		

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BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: 08-02	Project: Platteville Compressor Station		
Date: 9/14/2018	Project Number: 14213112		
Logged By: JEREMY PINE	Drilled By: Site Services		
Drilling Method: DIRECT PUSH	Sampling Method: CONTINUOUS		
Seal: Bentonite	Grout: None		
Diameter: 1"	Length: 10'	Hole Diameter: 2.25"	Depth to Liquid:
Diameter: 1"	Length: 20'	Total Depth: 30'	Depth to Water: 15'

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					
					8				8" DIAMETER ANNULARS Hydrovacted/Not Logged	
					10					
	0.2				12			SP	11'-13.5'-SP, SAND, brown, fine grained, moist, no stain/odor	
	0.1	moist			14		2/4	SC		
	0.0				16			SP	13.5'-14.5'-SC, brown, fine grained, moist, trace Fe stains, no odor	
	1352	WET			18		3/5	CL	14.5'-16'-SP, SAND, orange brown, fine grained, moist to wet at 15' bgs, Fe stains, gray/black stains, odor at 15', 16'	
	1,571				20				16'-25'-CL, SILTY CLAY, brown to lt. brown at 20', few fine sands, trace fine sand stringers, medium plasticity, moist	
	1,183	moist			22				trace gray/black staining at 25', odor to 20' bgs	
	560				24				25'-27.5'-CL, sandy SILTY CLAY, lt. brown, trace medium grained sand, low plasticity, moist, no stain/odor	
	52.0				26		2.86, 2.5/2.5			
	107, i				28					
	42.1				30					
	63.0				32					
	140.0				34					
	29.1				36					
	2.9				38					
	0.8				40					
	1.6									

NOTES:

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