

Attachment B

**Soil Boring Log and Well
Construction Report**



Boring Location Sketch

SOIL BORING LOG

Project Number Cde 170601
COT 127 Boring Number MW 01 Sheet 1 of 4



Project Anadarko Location WCR Properties 41-5/Spaur 1-5

Drilling Method & Equipment Direct Push - 6620DT Drilling Contractor DrillPro - Terrance Apodaca

Date 11/16/18 Water Level ~10' bgs Start 1045 Finish 1107 Logger R. Finley

Depth Below Surface	Sample			Standard Penetration Test Results 6" 6" 6" 6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
5	/	/	/	N/A	Hydrovac potholing to 8ft bgs for utility clearance	/	/	/	/
8-9	X	X	X	N/A	8-10 light brown almost tan clay sand. low density, high plasticity, moist grading to interface. saturated. no odor/str 10-19 med to dk brown silty sand. med density, low plastic. saturated. no odor/str	Sc	N	1.8	8
10-11	X	X	4.3					10 *GW	
12-13	X	X	1.2					12	
14-15	X	X	0.8					14	
16-17	X	X	1.1					16	
18-19	X	X	0.6					18	
20									

Total Depth(s) = 19ft

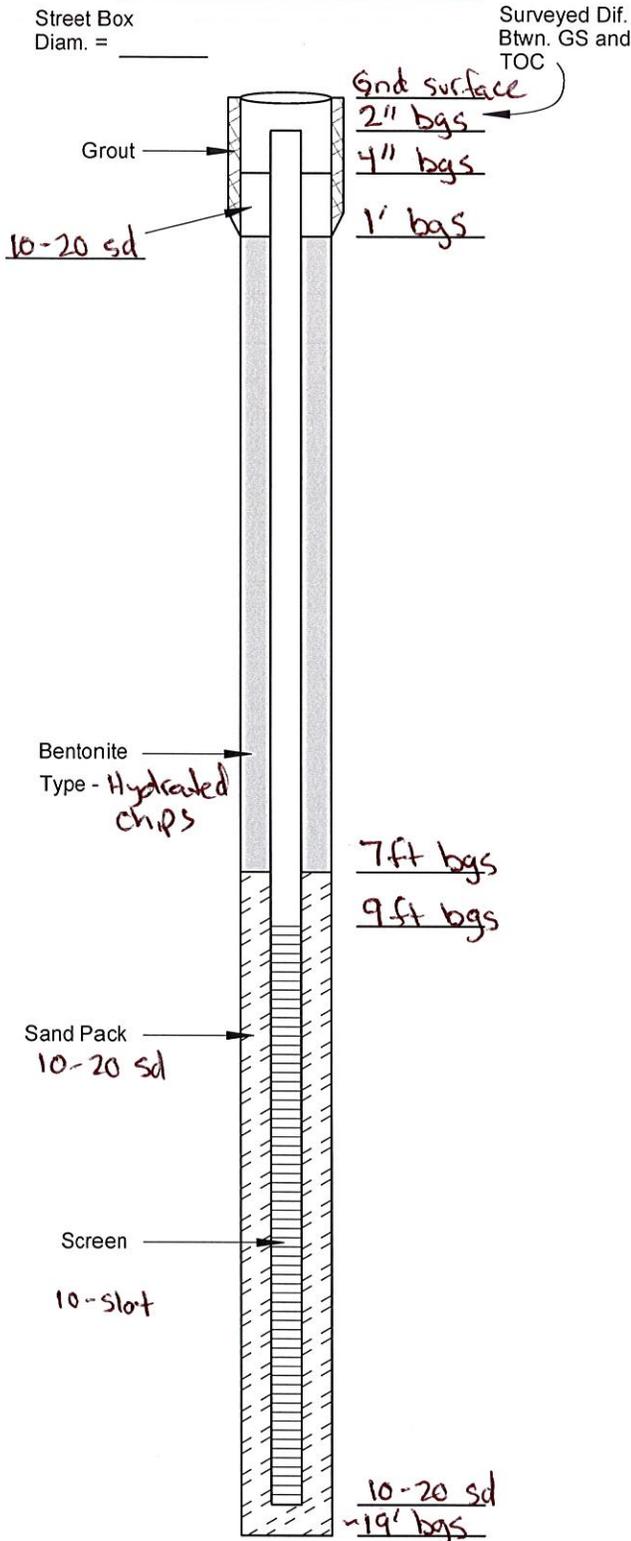
Soil Sample(s): 0

Rationale client

Additional Information:

WELL CONSTRUCTION LOG

Well Completion Detail



* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 17.3'

Project WCR Properties
Number 41-5
SPUR 1-5

Well
Number MW01

Drilling Summary

Total Depth of Hole: ~19 ft bgs
Hole Diameter: 2 1/2"
Drilling Company: DrillPro
Driller: Terrance Apodaca
Rig Type: 6620 DT
Bits: Direct Push
Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	<u>11/16/18</u>	<u>1045</u>	<u>11/16/18</u>	<u>1107</u>
Well Completion:	<u>↓</u>	<u>1110</u>	<u>↓</u>	<u>1118</u>
Grouting:	<u>↓</u>	<u>1120</u>	<u>↓</u>	<u>1125</u>

Depth to Water (Below TOC)

Depth: 9.34' Date: 11/20/18 Time: 1405

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/2 bag</u>	<u>1/2 bag</u>	<u>2 bag</u>
Type:	<u>Quikrete</u>	<u>Bent</u>	<u>10-20 sd</u>
	Screen		
Size:	<u>10-foot</u>	Config.: <u>Sch 40</u>	
Area/Ft.:	<u>10-slot</u>	Comp.: <u>PVC</u>	
Inside Diam.:	<u>1.049"</u>	Outside Diam.: <u>1.315"</u>	

Comments

PID field-screening taken every 2ft. No suspected soil impacts noted in boring.

* BGS = below ground surface
& BG = Bag



Boring Location Sketch

SOIL BORING LOG

Project Number 066.1704.01
COT 127
 Boring Number MW 02
 Sheet 2 of 4



Project Anadar Ko Location WCR Properties 41-5/Spaur 1-5
 Drilling Method & Equipment DrillPro 6620DT Drilling Contractor Dr. IllPro-Terrance Apodaca
 Date 11/16/18 Water Level ~9' bgs Start 0950 Finish 1023 Logger R. Finley

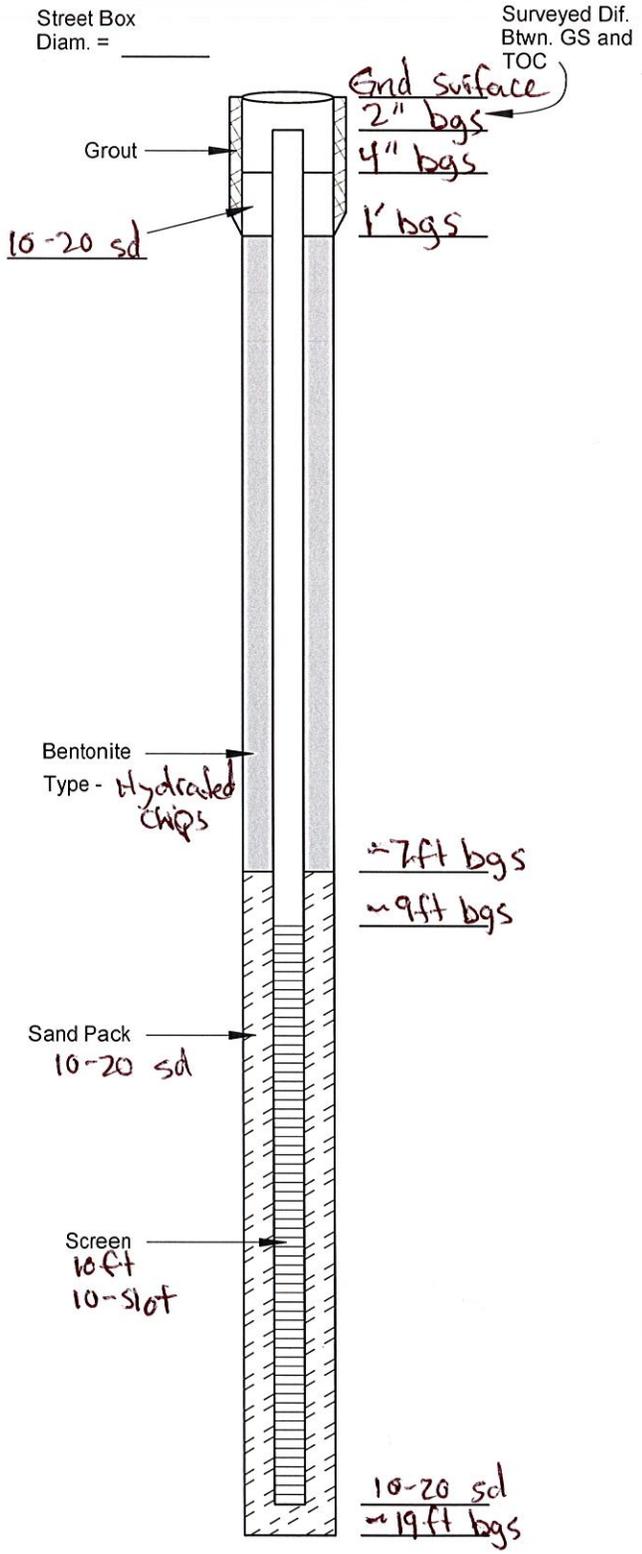
Depth Below Surface	Sample			Standard Penetration Test Results 6"/6"/6"/6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
5	/	/	/	N/A	Hydrovac Potholing to 8ft bgs for utility clearance	/	/	/	/
8-9	X	X	X		8-9' med brown silty sd. vfg-fg. med dense, low plasticity. Most (hydrovac). No odor skin	SM N		5.0	8
10-11	X	X	X		9-10' med grey grading to black stained fine sand. Saturated potential flow. vfg-fg. low density. high plastic. odor mild + stain in	SC Y		0.6	10
12-13	X	X	X					153	12
14-15	X	X	X		10-11' med brown w/ yellowish + reddish + mottled black staining silty sand. vfg-fg. tightly compact at 10' grading to looser at depth w/ dense lenses ~2" thick every couple feet. @ 14' there is a 2" of higher plastic clayey sand. No plasticity elsewhere. 16-19' were very dense. No noted odor. mottled black stain	Sm Y		176	14
16-17	X	X	X					1.5	16
18-19	X	X	X					0.9	18

Total Depth(s) = 19 Soil Sample(s): 0 Rationale: client Additional Information:

WELL CONSTRUCTION LOG

Well Completion Detail

Project WCR Properties Well Number MW #2
 Number 41-5 Spaw 1-5



Drilling Summary

Total Depth of Hole: ~19ft bgs
 Hole Diameter: 2 1/2"
 Drilling Company: DrillPro
 Driller: Terrance Apodaca
 Rig Type: 6620 DT
 Bits: Direct Push
 Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	11/16/18	0950	11/16/18	1023
Well Completion:	↓	1115	↓	1124
Grouting:	↓	1125	↓	1132

Depth to Water (Below TOC)

Depth: 8.99' Date: 11/20/18 Time: 1420

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/2 bg</u>	<u>1/2 bg</u>	<u>2 bg</u>
Type:	<u>Quikrete</u>	<u>Bent</u>	<u>10-20 sd</u>

	Screen
Size:	<u>10 ft</u>
Area/Ft.:	<u>10-slot</u>
Inside Diam.:	<u>1.049"</u>
Config.:	<u>Sch 40</u>
Comp.:	<u>PVC</u>
Outside Diam.:	<u>1.315"</u>

Comments

PID field screening every
2ft of boring. Staining
+ potential soil impacts
noted from 10ft to 19ft bgs

* BGS = below ground surface
 * BG = Bags

* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 18.19'



Boring Location Sketch

SOIL BORING LOG

Project Number 066.1704.01
 Boring Number MW3
 Sheet 3 of 4



Project Anadarko Location WCR Properties 41-5/ spur 1-5
 Drilling Method & Equipment Direct Push - 6620 DT Drilling Contractor DrillPro - Terrance Apodaca
 Date 11/16/18 Water Level ~9' bgs Start 1025 Finish 1040 Logger R. Finley

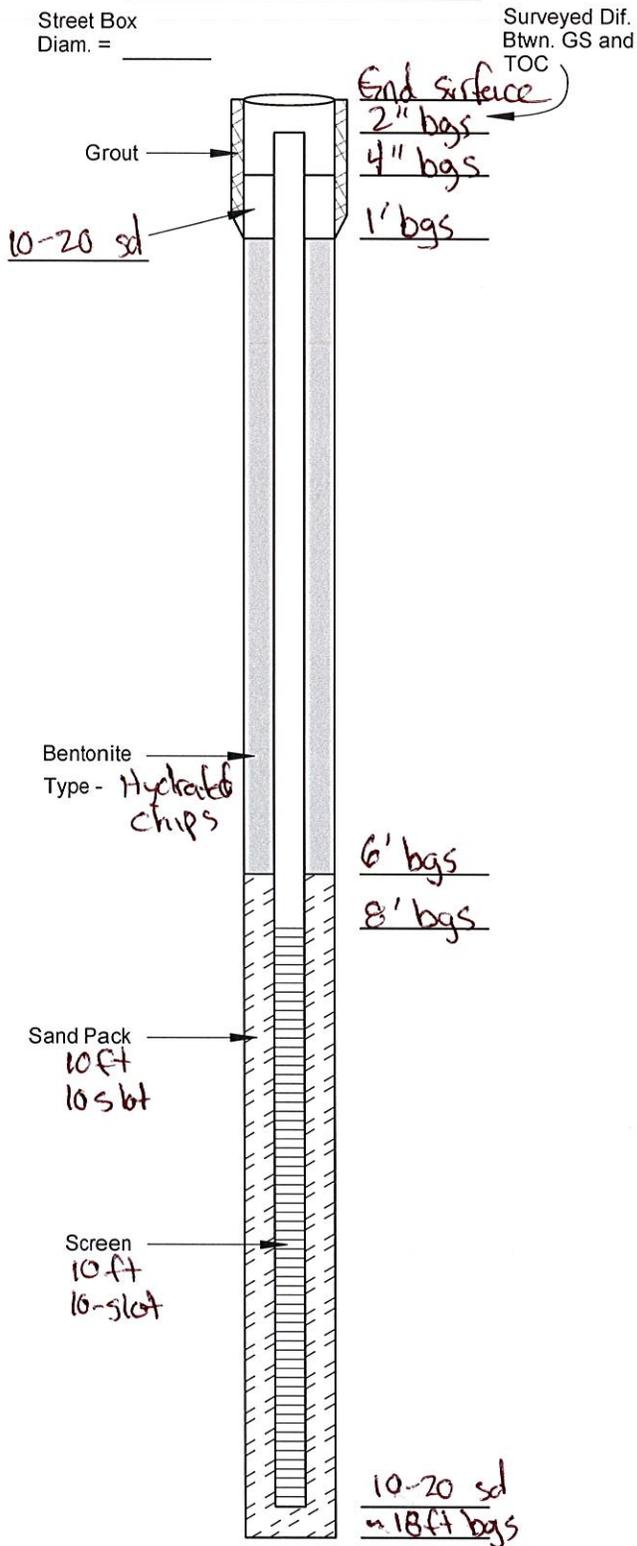
Depth Below Surface	Sample			Standard Penetration Test Results 6" / 6" / 6" / 6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
5	/	/	/	N/A	Hydrovac Patholing to 8ft bgs for utility clearance	/	/	/	/
8-9	/	X	X		8-9 med brown silty sand, vfg-fg low density, low plastic cracked appearance, dry no str/odor	Sm N	N	0.2	8
10	/	X	X		9-10 med grey to black clay sand, vfg-fg, low density high plastic, moist, low potential, stain & odor	Sc Y	Y	18.7	10
12-13	/	X	X		10-15 light grey to med brown silty sand, vfg-fg, low density, moist, low plasticity, no odor/stn	Sm N	N	13.2	12
14-15	/	X	X		16-15 light grey to med brown silty sand, vfg-fg, low density, moist, low plasticity, no odor/stn			0.1	14
16-17	/	X	X		15-18 med brown to yellowish silty sand, moist grading to dry, low density grading to very high, no plasticity no odor/stn	Sm N	N	0.6	16
17-18	/	X	X					0.1	18
20					* refusal @ 18'				

Total Depth(s) = 18 Soil Sample(s): 0 Rationale: client Additional Information: Refusal of direct push @ 18'



WELL CONSTRUCTION LOG

Well Completion Detail



* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 17.22'

Project WCR Properties
Number 41-5
Spavr 1-5

Well
Number MW03

Drilling Summary

Total Depth of Hole: ~18 ft bgs

Hole Diameter: 2 1/2"

Drilling Company: Drill Pro

Driller: Terrance Apodaca

Rig Type: 6620 DT

Bits: Direct Push

Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	11/16/18	1025	11/16/18	1040
Well Completion:	↓	1134	↓	1140
Grouting:	↓	1140	↓	1146

Depth to Water (Below TOC)

Depth: 9.74' Date: 11/20/18 Time: 1437

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/2 bag</u>	<u>1/2 bag</u>	<u>2 bag</u>
Type:	<u>Quikrete</u>	<u>Bent</u>	<u>10-20</u>

	Screen	
Size:	<u>10-ft</u>	Config.: <u>Sch 40</u>
Area/Ft.:	<u>10-slot</u>	Comp.: <u>PVC</u>
Inside Diam.:	<u>1.049"</u>	Outside Diam.: <u>1.315"</u>

Comments

PIP field-screening taken
every 2ft of boring.
Staining + potential soil
impacts noted 10-12-ft bgs
Direct Push refusal @ 16'
* BGS = below ground surface
* BG - Bags



Boring Location Sketch

SOIL BORING LOG

Project Number 066.1704.0
COTØ127 Boring Number MW4 Sheet 4 of 4



Project Anadourko Location WCR Properties 41-5/ Spar 1-5
Drilling Method & Equipment Direct Push - 66200T Drilling Contractor DrillPro - Terrance Apodaca
Date 11/6/18 Water Level N/A Start 0930 Finish 0945 Logger R. Finley

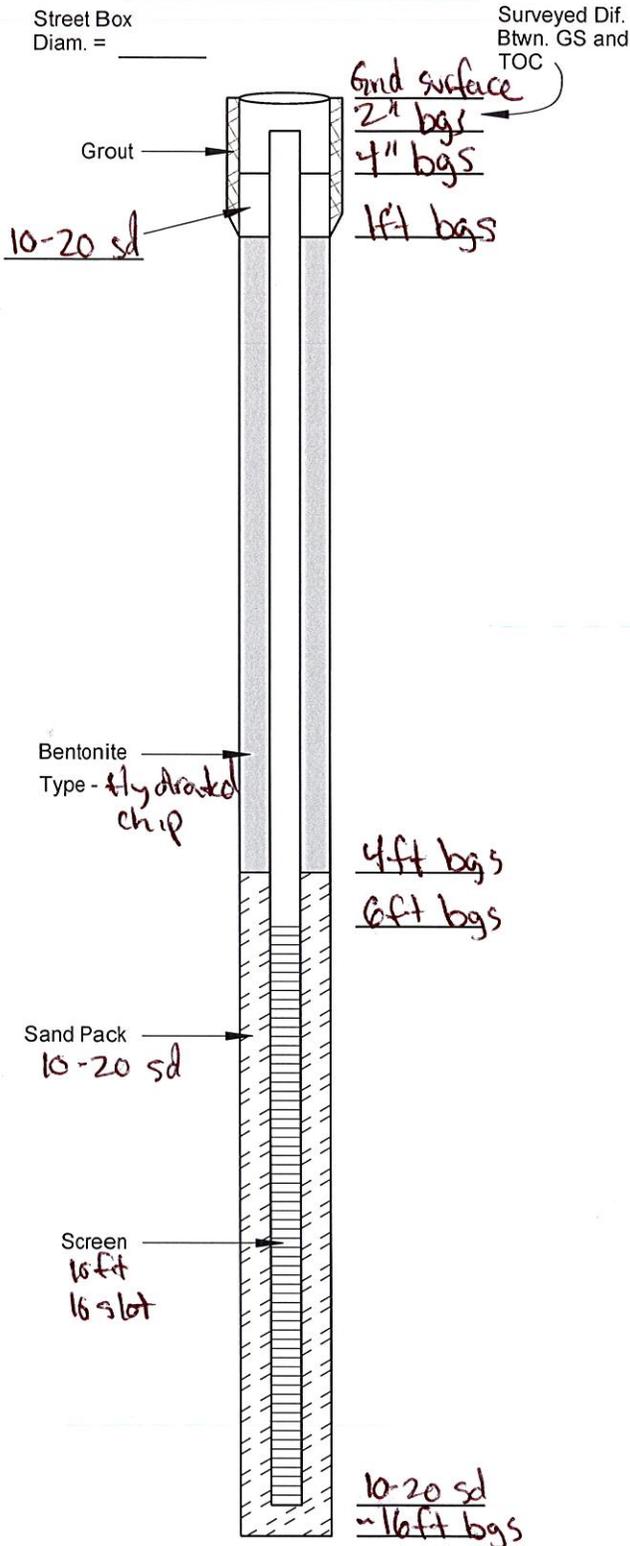
Depth Below Surface	Sample			Standard Penetration Test Results 6" 6" 6" 6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
5				N/A	Hydrovac pot holing to 8ft bgs for utility clearance				
8-9	8-9	X			8-9 Black stained sandy clay w/ high med-high density, high plasticity, moist. mild HC odor.	Sc	Y	1544 - 8 1760 - 9	
10	10-11	X			9-11 yellowish, black and grey stained silty sand. vfg-fg. High density, no plasticity. Dry. HC odor + stain	Sm	Y	746 - 10 656 - 12	
12-13	12-13	X							
14-15	14-15	X			11-16 yellowish med brown silty sand with patchy black staining staining clods v1 - 15' bgs. vfg-fg. Low density, no plasticity grading to high density at 15-16'. Soil from 14-16 expanded to 4" in sleeve	Sm	Y	97.1 - 14 13.1 - 16	
15-16	15-16	X							
20					No significant indication that groundwater was reached * Refusal @ 16'				

Total Depth(s) = 16' bgs Soil Sample(s): Ø Rationale: client Additional Information: Direct Push Refusal @ 16'. No GW detected date of drilling. later determined @ 11ft bgs



WELL CONSTRUCTION LOG

Well Completion Detail



Project WCR Properties
Number 41-5
Spaur 1-5

Well
Number MW04

Drilling Summary

Total Depth of Hole: ~16 ft bgs

Hole Diameter: 2 1/2"

Drilling Company: DrillPro

Driller: Terrance Apodaca

Rig Type: C620 DT

Bits: Direct Push

Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	11/16/18	0930	11/16/18	0945
Well Completion:	↓	1148	↓	1155
Grouting:	↓	1155	↓	1203

Depth to Water (Below TOC)

Depth: 11.00' Date: 11/20/18 Time: 1447

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/2 bag</u>	<u>1/2 bag</u>	<u>2 bag</u>
Type:	<u>Quikrete</u>	<u>Bent</u>	<u>10-20 sd</u>

	Screen
Size:	<u>10 feet</u>
Area/Ft.:	<u>10-slot</u>
Inside Diam.:	<u>1.049"</u>
Config.:	<u>Sch 40</u>
Comp.:	<u>PVC</u>
Outside Diam.:	<u>1.315"</u>

Comments

PID field-screening taken
every 2ft of boring.
Staining + odor noted high
at 8-11ft bgs, and minor
throughout. GW infiltrates
extremely slow.
* BGS = below ground surface
* BG = Bags

Total Depth from TOC = 15.5'



Boring Location Sketch

SOIL BORING LOG

Project Number COT0127 Boring Number MW05 Sheet 1 of 4



Project WCR Properties Location WCR Properties 41-5
 Drilling Method & Equipment Direct Push 6620 Drilling Contractor DrillPro - T. Apodaca
 Date 3/27/19 Water Level ~9ft Start 1000 Finish 1030 Logger R. Finlay

Depth Below Surface	Sample			Standard Penetration Test Results 6"/6"/6"/6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
5					hydraulic path hole to 8ft bgs				
8-9'			X		DK blk + grey clay sand vfg-fg, slightly crumbly low dense, med plastic med odor, high stain	Sc	Y	1,657	8
9-15'			X		med grey sandy clay, vfg-fg, slightly damp possibly from hydraulic low dense high plastic high odor, high stain	Sc	Y	1,218	12
15-18'			X		light to med brown sandy silt, vfg-fg, dry, loose no dense no plastic no dampness, no odor or stain	Sm	N	77.2	16
18'					* refusal @ 18'			3832	18

Total Depth(s) = ~18ft

Soil Sample(s): None

Rationale client

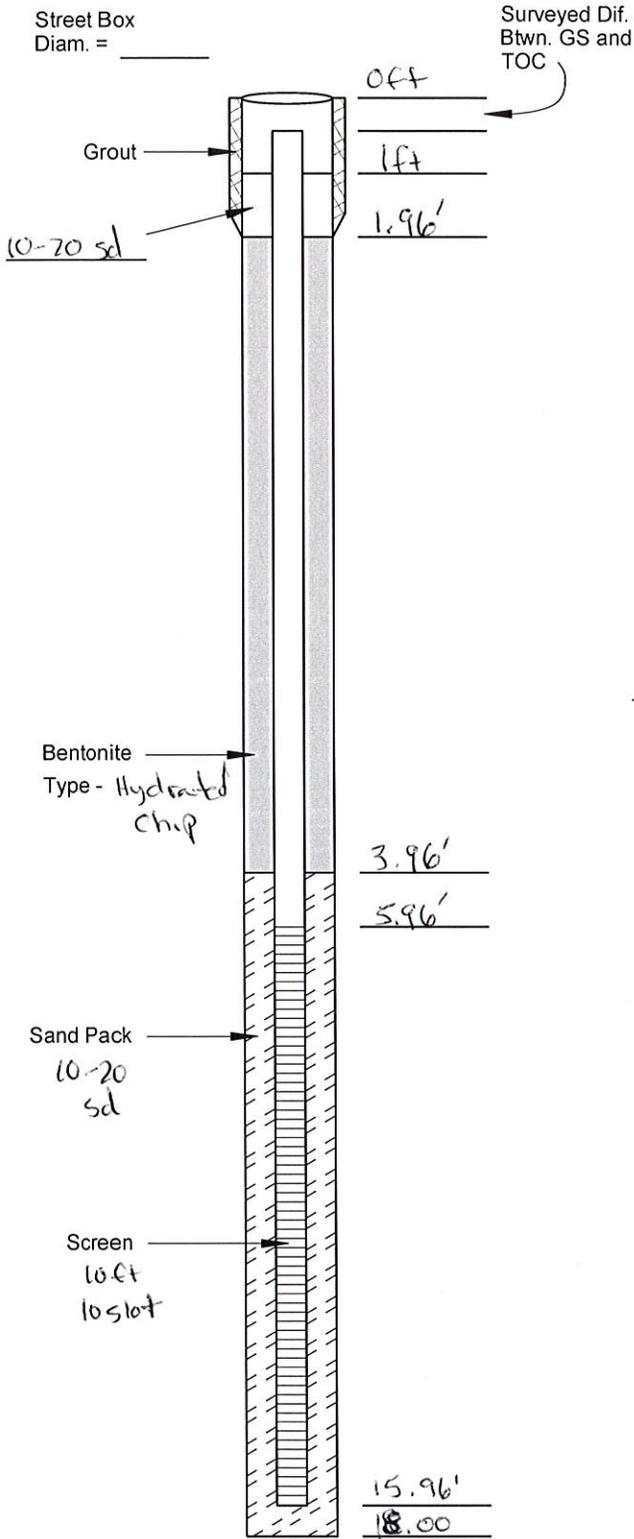
Additional Information:

WELL CONSTRUCTION LOG

Project COTØ127
 Number 89633985

Well Number MWØ5

Well Completion Detail



Drilling Summary

Total Depth of Hole: 18ft
 Hole Diameter: 2 1/4"
 Drilling Company: DrillPro
 Driller: Terrance Apodaca
 Rig Type: DT6620
 Bits: Direct Push
 Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	<u>3/27/19</u>	<u>1000</u>	<u>3/27/19</u>	<u>1030</u>
Well Completion:	<u>3/27/19</u>	<u>1030</u>	<u>↓</u>	<u>1040</u>
Grouting:	<u>↓</u>	<u>1230</u>	<u>↓</u>	<u>1240</u>

Depth to Water (Below TOC)

Depth: 9.08' Date: 4/9/19 Time: 1510

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/3 bag</u>	<u>1/4 bag</u>	<u>1 bag</u>
Type:	<u>quikrete</u>	<u>bent</u>	<u>10-20 sd</u>

	Screen
Size:	<u>10 slot</u>
Area/Ft.:	<u>10 feet</u>
Inside Diam.:	<u>1.049"</u>
Config.:	<u>Sch 40</u>
Comp.:	<u>PVC</u>
Outside Diam.:	<u>1.315"</u>

Comments

Direct Push refusal @ 18ft
due to extremely dense
clay

* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 15.96'



Boring Location Sketch

SOIL BORING LOG

Project Number COT0127 Boring Number MW06 Sheet 2 of 4



Project CG6.1704.01-(COT0127) (89633985) Location WCR Properties 41-5
 Drilling Method & Equipment Direct Push - DT6620 Drilling Contractor DrillPro-T. Apodaca
 Date 3/27/19 Water Level ~10ft Start 1137 Finish 1215 Logger R. Finley

Depth Below Surface	Sample			Standard Penetration Test Results 6" 6" 6" 6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
5					Hydrovac Potholing to 8ft bgs				
8-10			X	X	8-10 med brwn sandy silt vfg-fg, dry + crumbly no density, not loose. no plastic no odor/stn	Sm	N	197	8
10-14			X	X	10-14 Black sandy silt. vfg-fg, moist grading saturated @ 12-14' med plastic, low dense, med odor, high stain	Sm	Y	477	10
14-15			X	X	14-15 med brwn silty sand vfg-fg, med dense, no plastic Dry + crumbly. no odor/stn	Sm	N	539	12
15-17			X	X	15-17 Black silty sand vfg-fg, saturated. High stain, mid odor low dense, low plastic	Sm	Y	751	14
17-18			X	X	17-18 dk brwn silty sand vfg-fg, med dense, no plastic no odor/stn	Sm	N	270	16
18-19								212	18

Total Depth(s) = 18ft Soil Sample(s): Ø Rationale: client Additional Information:



WELL CONSTRUCTION LOG

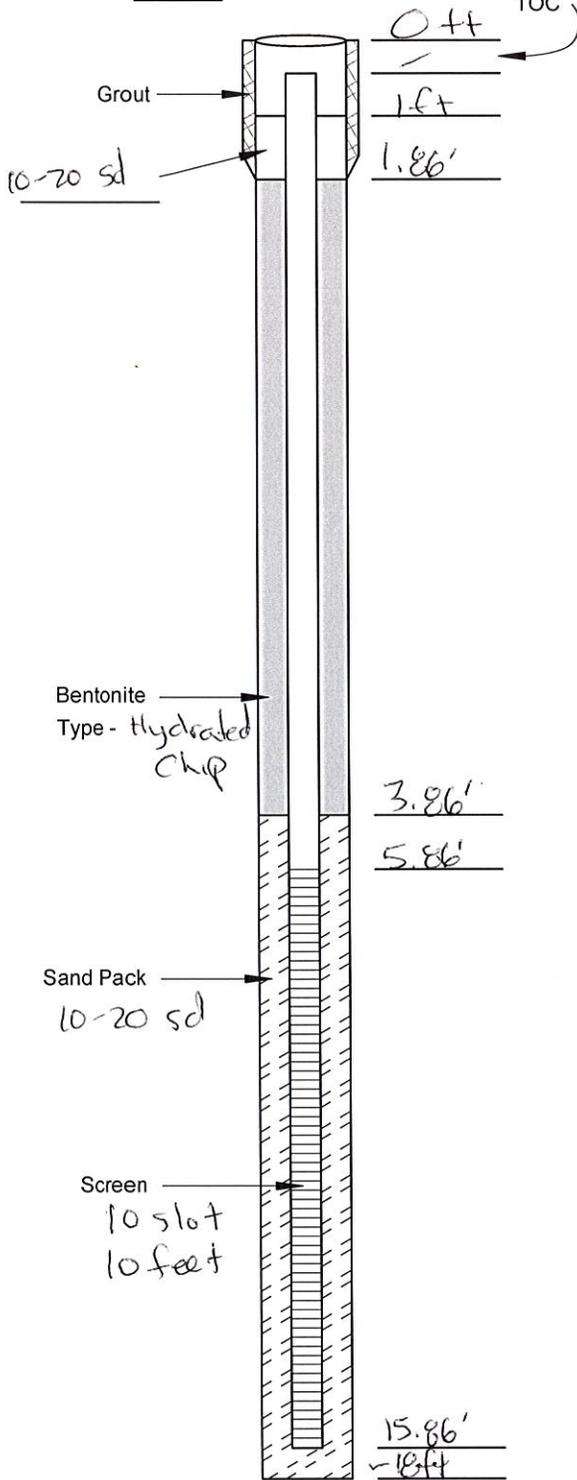
Well Completion Detail

Project COTØ127
 Number 89633985

Well Number MWØ6

Street Box
 Diam. = _____

Surveyed Dif.
 Btwn. GS and
 TOC



Drilling Summary

Total Depth of Hole: 18 ft
 Hole Diameter: 2 1/4"
 Drilling Company: DrillPro
 Driller: Terrance Apodaca
 Rig Type: DT6620
 Bits: Direct Push
 Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	<u>3/27/19</u>	<u>1137</u>	<u>3/27/19</u>	<u>1215</u>
Well Completion:	<u>↓</u>	<u>1215</u>	<u>↓</u>	<u>1230</u>
Grouting:	<u>↓</u>	<u>1240</u>	<u>↓</u>	<u>1250</u>

Depth to Water (Below TOC)

Depth: 10.05' Date: 4/9/19 Time: 1530

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/3 bag</u>	<u>4 bag</u>	<u>1 bag</u>
Type:	<u>Quikrete</u>	<u>bent</u>	<u>10-20 sd</u>

	Screen
Size:	<u>10 slot</u>
Area/Ft.:	<u>10 feet</u>
Inside Diam.:	<u>6.049"</u>
Config.:	<u>Sch 40</u>
Comp.:	<u>PVC</u>
Outside Diam.:	<u>1.315"</u>

Comments

* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 15.86'



Boring Location Sketch

SOIL BORING LOG

Project Number COTØ127 Boring Number MW Ø7 Sheet 3 of 4



Project 066.1704.01 - COTØ127 (89633985) Location WCR Properties

Drilling Method & Equipment Direct Push - DTØ620 Drilling Contractor DrillPro

Date 3/27/19 Water Level ~10ft Start 1110 Finish 1125 Logger R. Finley

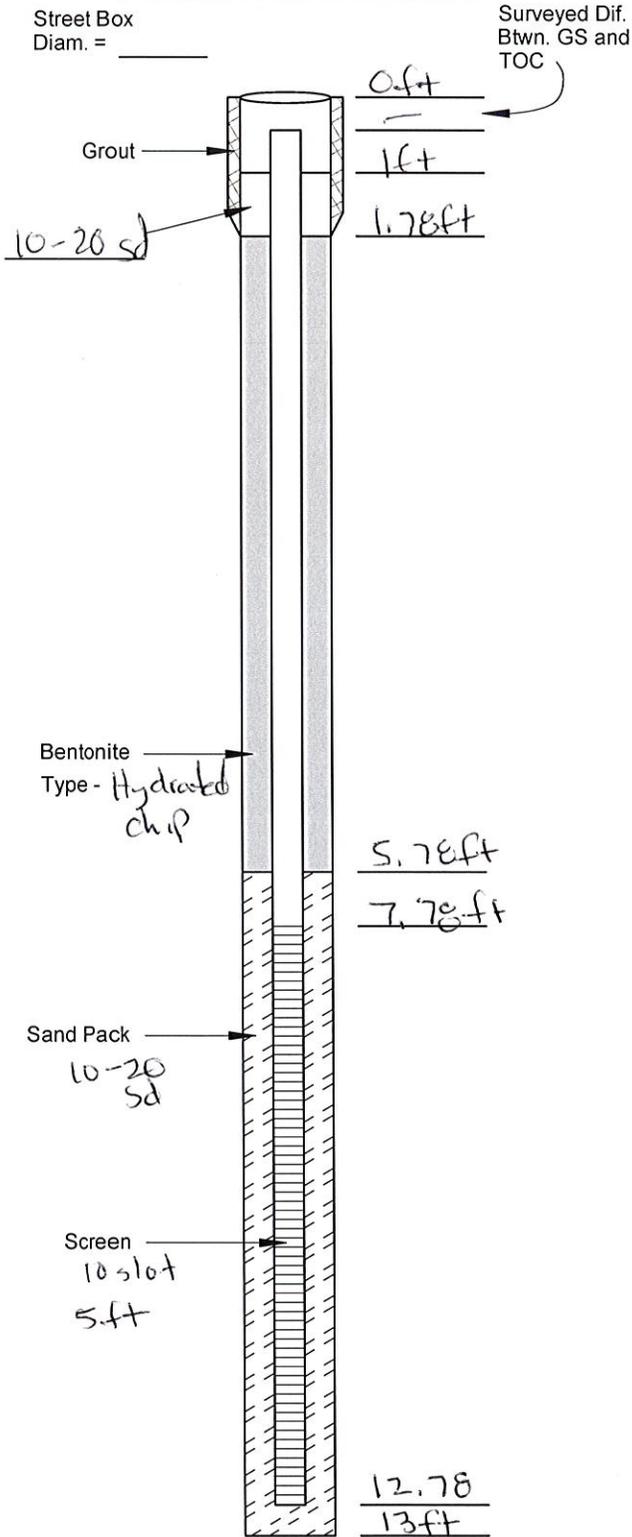
Depth Below Surface	Sample			Standard Penetration Test Results 6" 6" 6" 6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
					Hydrovac Potholing to 7ft bgs				
10				X	8-13.5 med bun silty sand with streaks of black vfg. fg. slightly crumbly slightly moist 13-14 then dry again. no density but not loose. no plastic nor odor/stain	Sm	N	236.7	8
								409.0	10
15								333.7	13
					* refusal @ 13.5ft bgs perhaps no GW				

Total Depth(s) = <u>13ft</u>	Soil Sample(s): <u>Ø</u>	Rationale <u>client</u>	Additional Information:
---------------------------------	-----------------------------	----------------------------	-------------------------



WELL CONSTRUCTION LOG

Well Completion Detail



* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 12.78

Project COT#127
Number 89633985

Well Number MW07

Drilling Summary

Total Depth of Hole: 13ft

Hole Diameter: 2 1/4"

Drilling Company: DrillPro

Driller: Terrance Apodaca

Rig Type: DT6620

Bits: Direct Push

Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	<u>3/27/19</u>	<u>1110</u>	<u>3/27/19</u>	<u>1125</u>
Well Completion:	<u>↓</u>	<u>1125</u>	<u>↓</u>	<u>1135</u>
Grouting:	<u>↓</u>	<u>1250</u>	<u>↓</u>	<u>1300</u>

Depth to Water (Below TOC)

Depth: 9.73' Date: 4/9/19 Time: 1555

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/4 bgs</u>	<u>1/3 bgs</u>	<u>1/2 bgs</u>
Type:	<u>Quikrete</u>	<u>Bent</u>	<u>10-20 sd</u>
	Screen		
Size:	<u>10 slot</u>	Config.: <u>Sch 40</u>	
Area/Ft.:	<u>5 ft</u>	Comp.: <u>PVC</u>	
Inside Diam.:	<u>1.049"</u>	Outside Diam.: <u>1.315"</u>	

Comments

Direct push refusal @
13-ft bgs. due to
extremely dense clay



Boring Location Sketch

SOIL BORING LOG

Project Number COT#127 Boring Number Mw#8 Sheet 4 of 4



Project 066-1704.01-COT#127 (89633985) Location WCR Properties 41-5

Drilling Method & Equipment Direct Push - DT6620 Drilling Contractor DrillPro

Date 3/27/19 Water Level ~9ft Start 1035 Finish 1105 Logger R. Finley

Depth Below Surface	Sample			Standard Penetration Test Results 6" / 6" / 6" / 6"	Soil Description USCS Group Symbol, Name, Gradation or Plasticity, Particle Size Distribution, Color, Moisture Content Relative Density or Consistency, Soil Structure, Mineralogy, Stain or Odor	Symbol of USCS Log	Staining	PID Readings (ppm)	PID Reading Depths (bgs)
	Interval	Depth/Time	Recovery						
					Hydraulic Pathing to 8ft BGS				
			X	X	8-8.5 med brown silty sand vfg-fg, crumbly, one large pebble, no odor/stn	Sm	N	0.8	8
			X	X	8.5-10 light brown sandy silt vfg-fg, saturated, low dense low plastic. No odor/stn	Sm	N	262	10
			X	X	10-11 med brown silty sand vfg-fg, dry + crumbly loose with lenses of dense + hard clay, no odor/stn	Sm	N	291.7	12
								313.3	14
								137.1	16
								155.2	18
					* refusal @ 18ft bgs				

Total Depth(s) = 18ft

Soil Sample(s): Ø

Rationale Client

Additional Information:

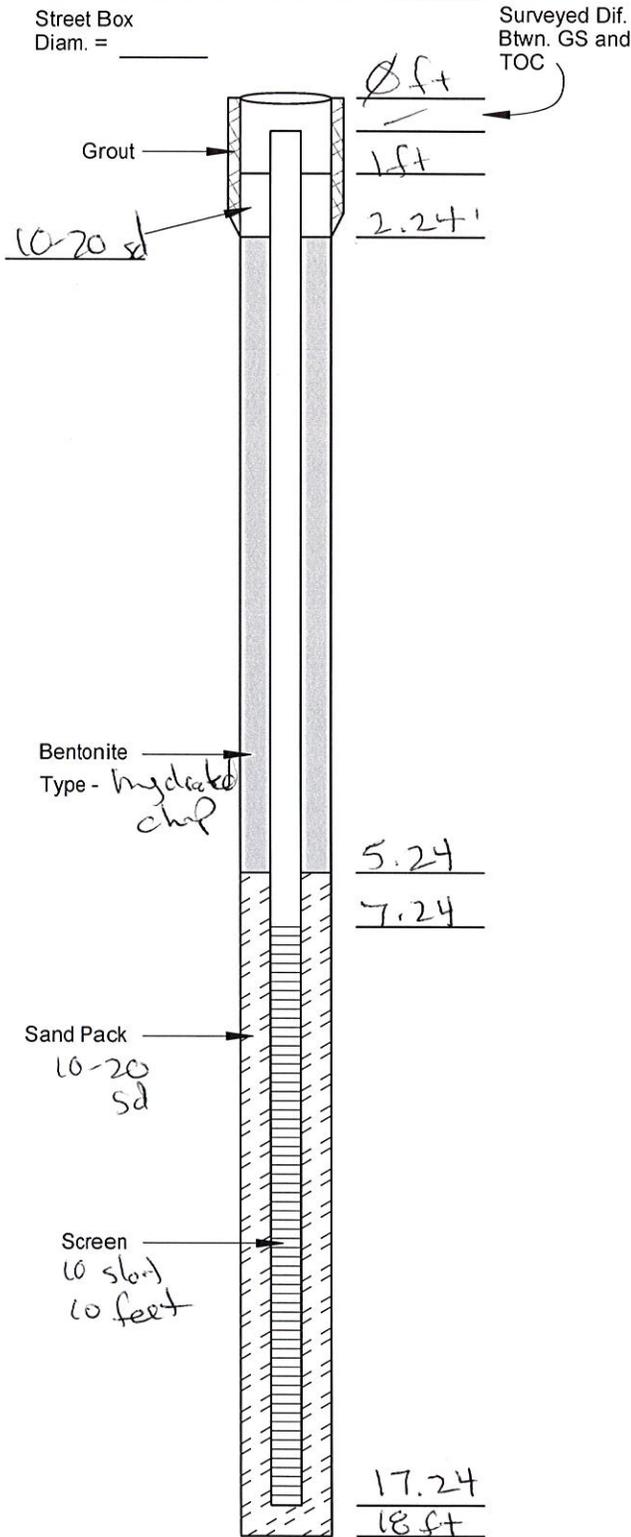


WELL CONSTRUCTION LOG

Project COT 127
 Number 89633985

Well Number MW08

Well Completion Detail



Drilling Summary

Total Depth of Hole: 18 ft
 Hole Diameter: 2 1/4"
 Drilling Company: Drill Pro
 Driller: Terrance Apodaca
 Rig Type: DT6620
 Bits: Direct Push
 Geologist: Ryan Finley

Time Log

	Start		Finish	
	Date	Time	Date	Time
Drilling:	<u>3/27/19</u>	<u>1035</u>	<u>3/27/19</u>	<u>1105</u>
Well Completion:	<u>↓</u>	<u>1105</u>	<u>↓</u>	<u>1115</u>
Grouting:	<u>↓</u>	<u>1300</u>	<u>↓</u>	<u>1310</u>

Depth to Water (Below TOC)

Depth: 8.79' Date: 4/9/19 Time: 1615

Well Construction Materials

	Grout	Seals	Filter
Quantity:	<u>1/3 bag</u>	<u>1/4 bag</u>	<u>1 bag</u>
Type:	<u>Quikrete</u>	<u>bent</u>	<u>10-20 sd</u>

	Screen	
Size:	<u>10 slot</u>	Config.: <u>56h 40</u>
Area/Ft.:	<u>10 feet</u>	Comp.: <u>PVC</u>
Inside Diam.:	<u>1.049"</u>	Outside Diam.: <u>1.315"</u>

Comments

* Direct push refusal
@ 18 ft bgs due to
extremely dense clay

* Measuring Point is Below Ground Surface (bgs)

Total Depth from TOC = 17.24'