

Attachment 6

**Soil Boring Logs
(including PID readings)**

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 Fed. ID No.: _____ County: Cook

Site File Name: Abandoned Crestwood Well #1 Boring / Well No.: GP-1

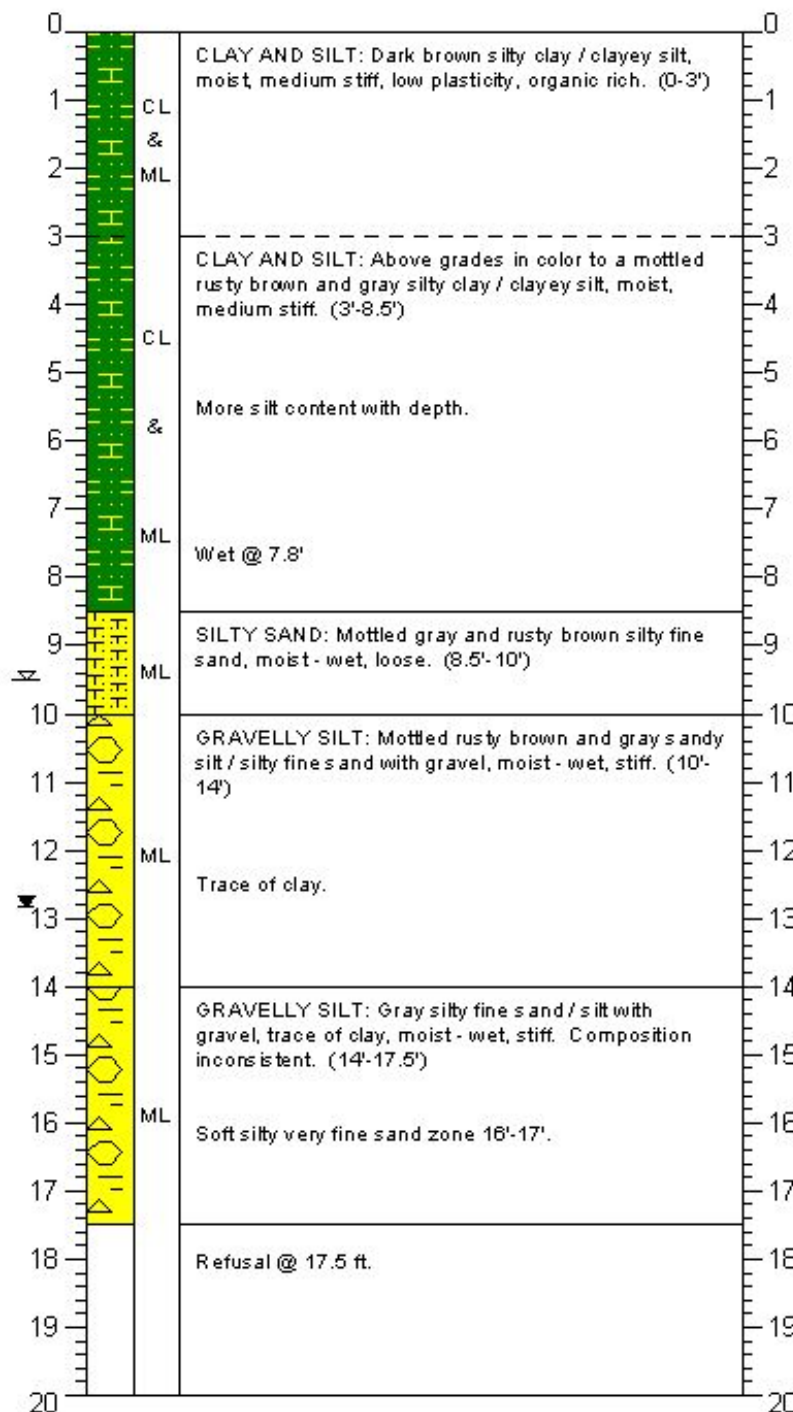
GPS Coordinates: Northing Unspecified Easting Unspecified Date: Start 06/08/09 Finish 06/08/09

Equipment Used: Geoprobe 6600/Macro-Core Sampler/Discrete Sampler Surface Elevation: Unspecified

Location Description: West of tennis courts near Tinley Creek. Completion Depth: 17.5 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



Sampling Interval	Sample Type	Sample Recovery	PID	FID	Remarks	
0 - 4	Macro-Core	4.0 Feet	0	ppb	Wet @ 7.8'	
4 - 8	Macro-Core	4.0 Feet	0	ppb		
8 - 12	Macro-Core	3.6 Feet	0	ppb		
12 - 16	Discrete Core	4.5 Feet	0	ppb		
16 - 20	Discrete Core	2.0 Feet	0	ppb		
			0	ppb		Soft wet zone 16-17 feet.
			0	ppb		
			0	ppb		
			0	ppb		
			0	ppb		

Piezometer GP-1
 - TD 18 ft
 - Screen 8- 18 ft
 - Sand to 6 ft
 - Bentonite to 2 ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 Fed. ID No.: _____ County: Cook

Site File Name: Abandoned Crestwood Well #1 Boring / Well No.: GP-2

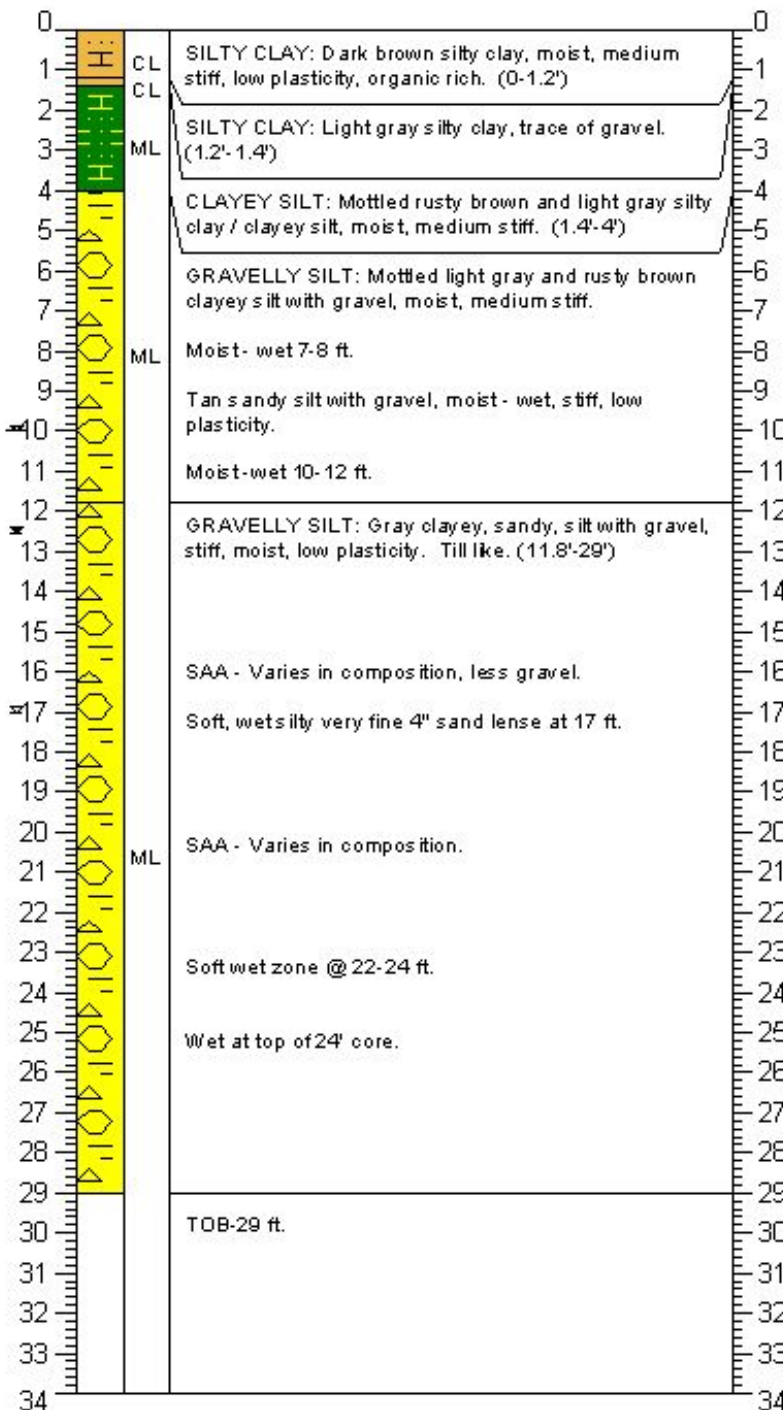
GPS Coordinates: Northing Unspecified Easting Unspecified Date: Start 06/08/09 Finish 06/08/09

Equipment Used: Geoprobe 6600/Macro-Core Sampler/Discrete Sampler Surface Elevation: Unspecified

Location Description: In grassy area north of playground. Completion Depth: 29 Feet

Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



Sampling Interval	Sample Type	Sample Recovery	PID	FID	Remarks
0 - 4	Macro-Core	4.0 Feet	0	ppb	Wet @ 10-12 ft.
4 - 8	Macro-Core	3.6 Feet	0	ppb	
8 - 12	Macro-Core	3.7 Feet	0	ppb	
12 - 16	Macro-Core	3.8 Feet	0	ppb	
16 - 20	DC	2.5 Feet	0	ppb	
20 - 24	DC	2.3 Feet	0	ppb	
24 - 29	DC	3.6 Feet	0	ppb	
			0	ppb	
			0	ppb	
			0	ppb	
			0	ppb	
			0	ppb	
					Piezometer GP-2 - TD 25 ft - Screen 15-25 ft - Sand 11.5-13 ft - Bentonite 9.5-11.5 ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 Fed. ID No.: _____ County: Cook

Site File Name: Abandoned Crestwood Well #1 Boring / Well No.: GP-3

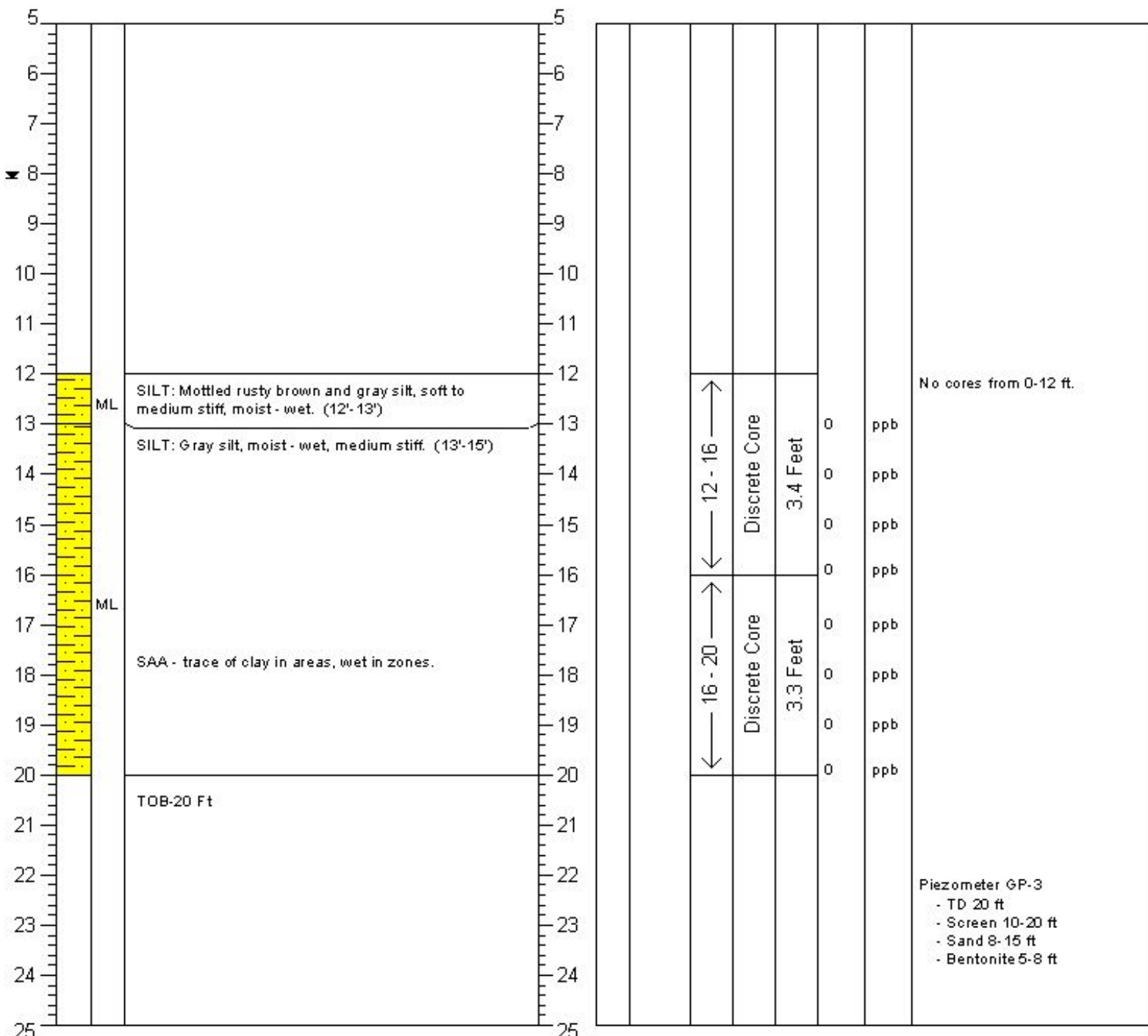
GPS Coordinates: Northing Unspecified Easting Unspecified Date: Start 06/08/09 Finish 06/08/09

Equipment Used: Geoprobe 6600/Macro-Core Sampler/Discrete Sampler Surface Elevation: Unspecified

Location Description: Between baseball fields south of water tower. Completion Depth: 20 Feet

Logged By: James M. Salch, LPG

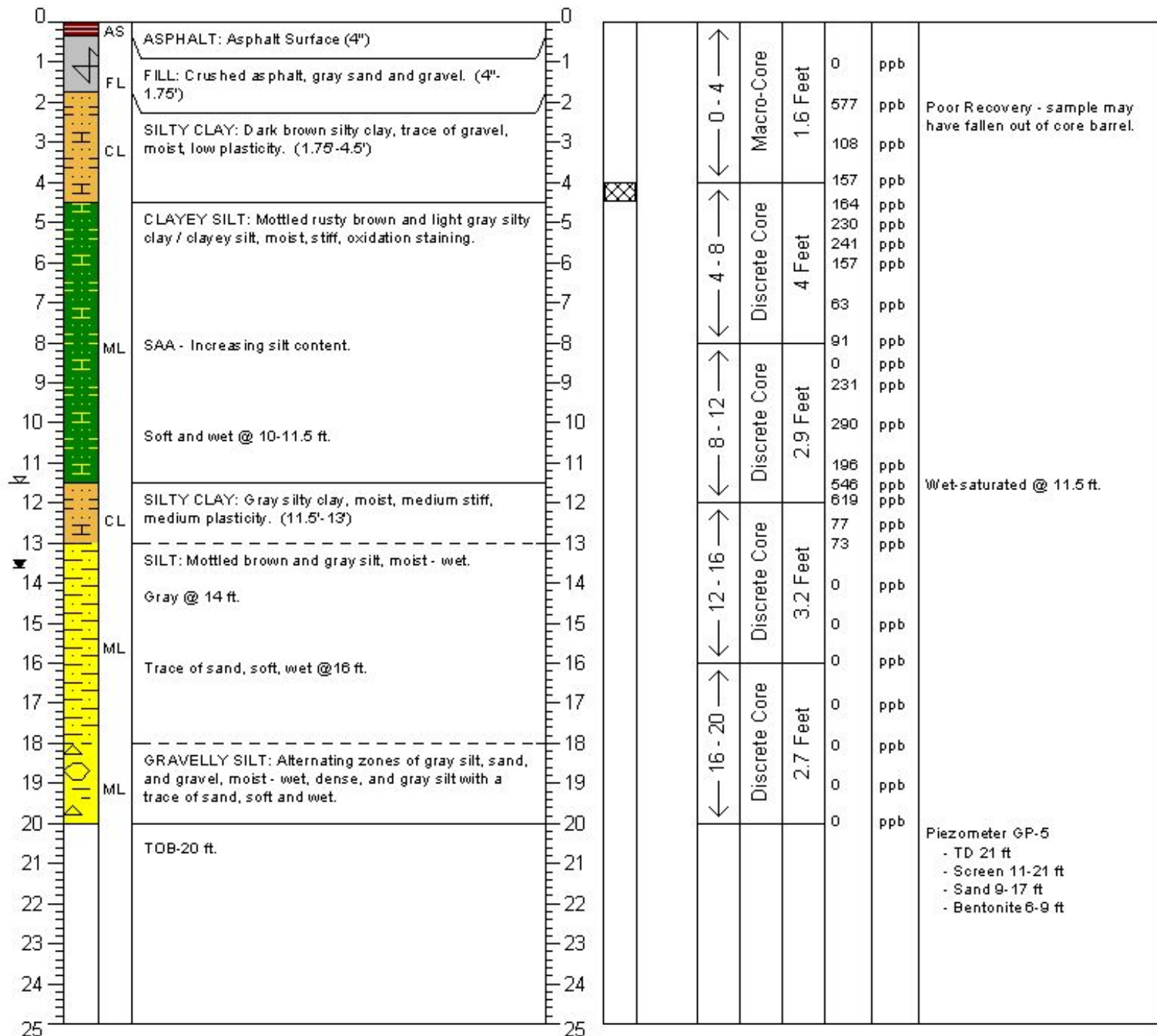
Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 **Fed. ID No.:** _____ **County:** Cook
Site File Name: Abandoned Crestwood Well #1 **Boring / Well No.:** GP-5
GPS Coordinates: Northing Unspecified Easting Unspecified **Date:** Start 06/09/09 Finish 06/09/09
Equipment Used: Geoprobe 6600/MC-5 Sampler **Surface Elevation:** Unspecified
Location Description: Behind dry cleaner. **Completion Depth:** 20 Feet
Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 Fed. ID No.: _____ County: Cook

Site File Name: Abandoned Crestwood Well #1 Boring / Well No.: GP-6

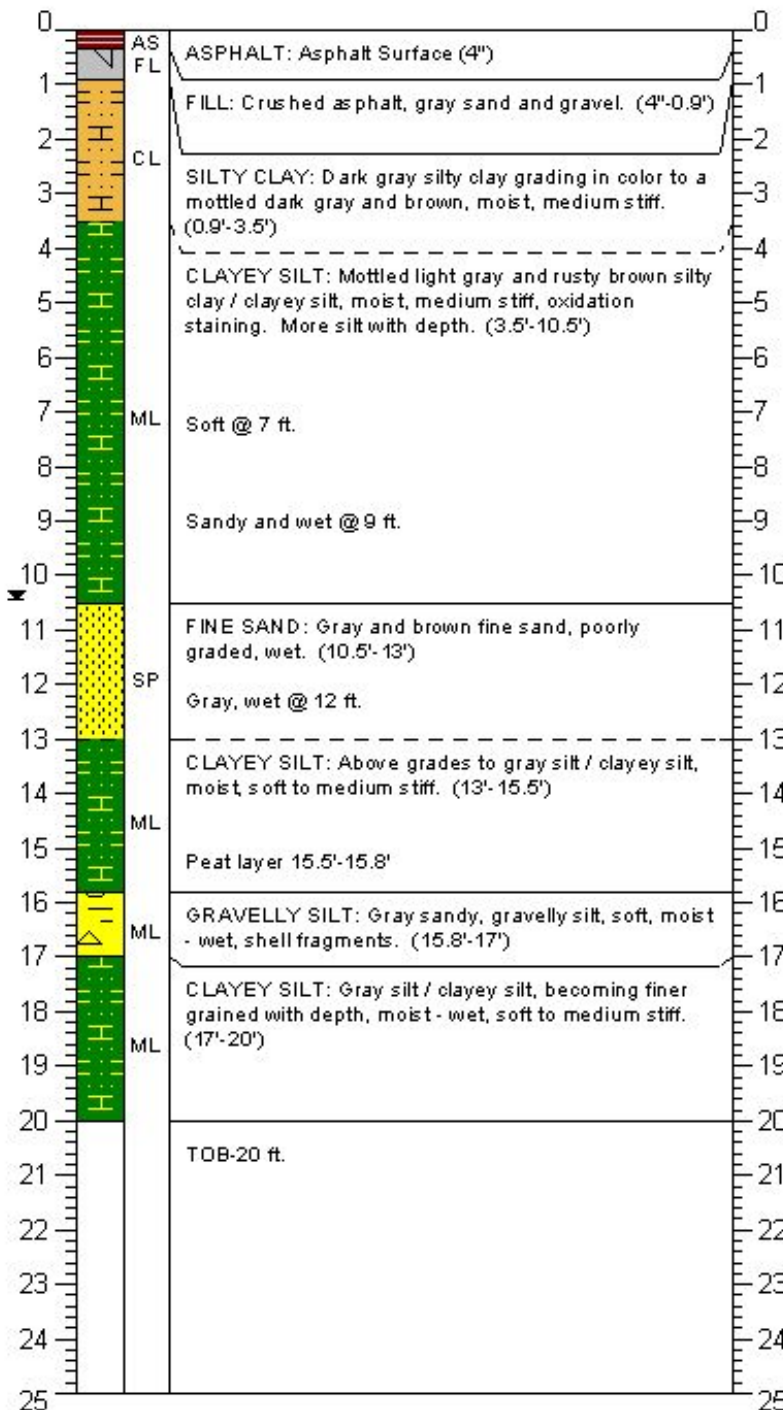
GPS Coordinates: Northing Unspecified Easting Unspecified Date: Start 06/09/09 Finish 06/09/09

Equipment Used: Geoprobe 6600/MC-5 Sampler Surface Elevation: Unspecified

Location Description: Parking lot south of strip mall. Completion Depth: 20 Feet

Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



Sampling Interval	Sample Type	Sample Recovery	PID	FID	Remarks
0 - 4	Macro-Core	3.5 Feet	0	ppb	Possible wet @ 7'
4 - 8	Macro-Core	4 Feet	0	ppb	
8 - 12	Discrete Core	2.1 Feet	0	ppb	
12 - 16	Discrete Core	3.0 Feet	0	ppb	
16 - 20	Discrete Core	2.3 Feet	0	ppb	
			0	ppb	
			0	ppb	
			0	ppb	
			0	ppb	
			0	ppb	
					Wet-saturated @ 10.5 ft.
					Piezometer GP-5 - TD 19 ft - Screen 9- 19 ft - Sand 7- 10.5 ft - Bentonite 5-7 ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 Fed. ID No.: _____ County: Cook

Site File Name: Abandoned Crestwood Well #1 Boring / Well No.: GP-7

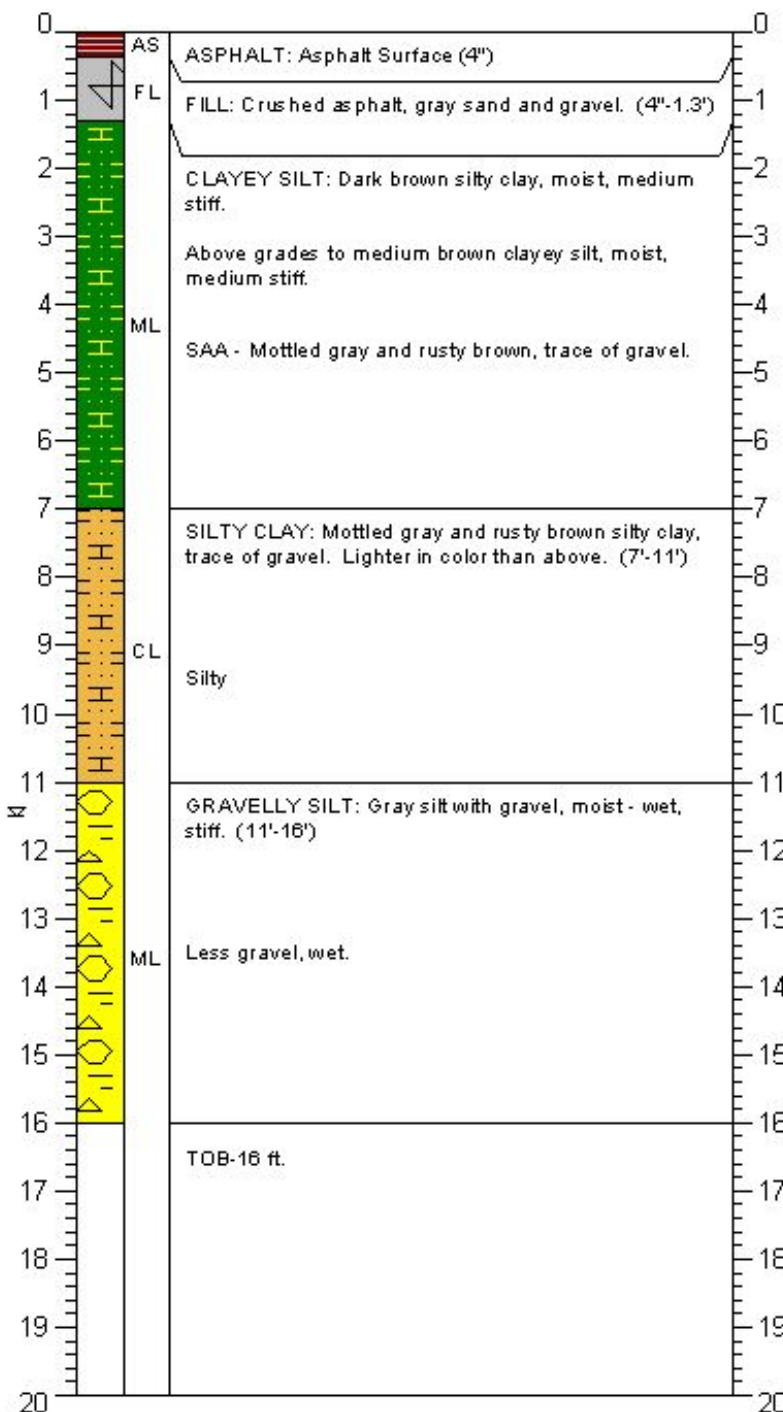
GPS Coordinates: Northing Unspecified Easting Unspecified Date: Start 06/09/09 Finish 06/09/09

Equipment Used: Geoprobe 6600/MC-5 Sampler Surface Elevation: Unspecified

Location Description: Parking lot north of strip mall near creek. Completion Depth: 16 Feet

Former UST area. Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	

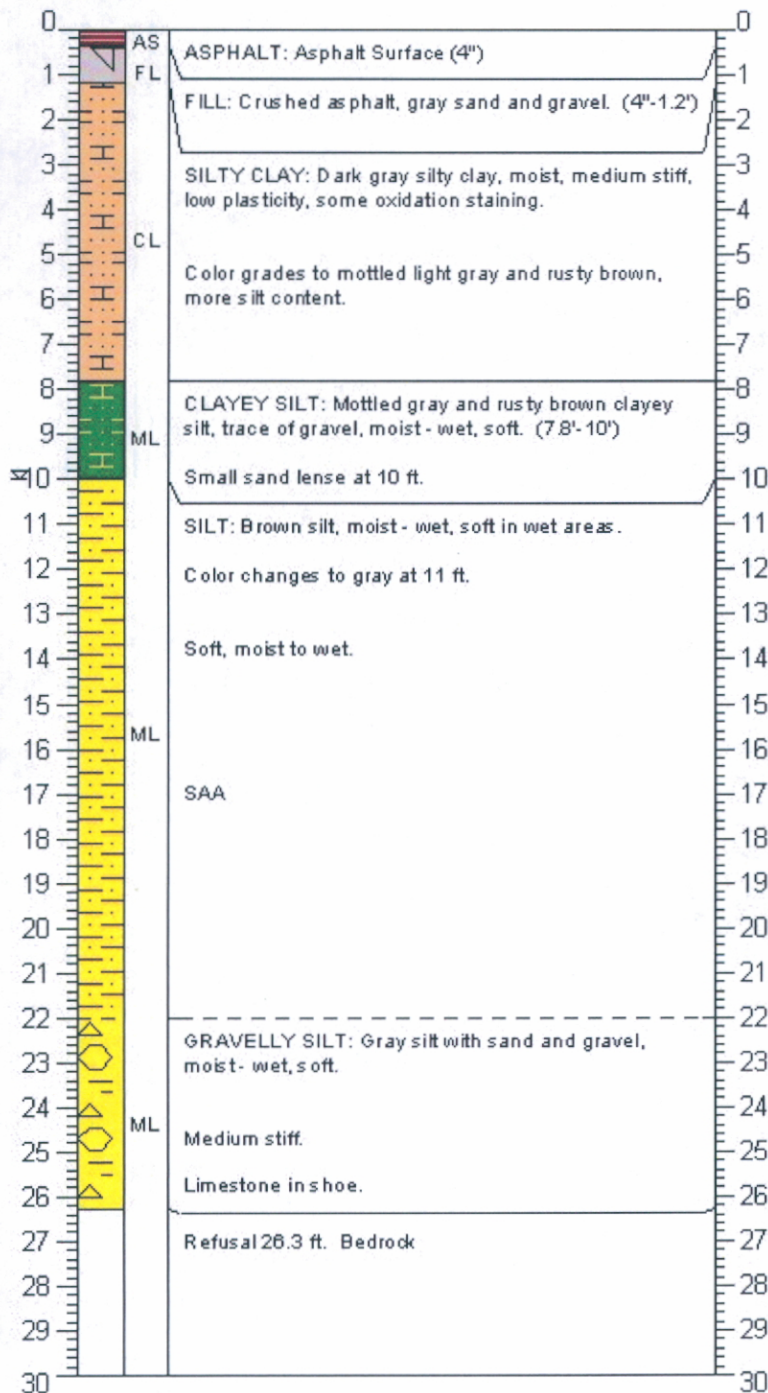


Sampling Interval	Sample Type	Sample Recovery	PID	FID
0 - 4	Macro-Core	3.0 Feet	0	ppb
4 - 8	Macro-Core	3.8 Feet	0	ppb
8 - 12	Discrete Core	3.6 Feet	0	ppb
12 - 16	Discrete Core	1.9 Feet	0	ppb

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 **Fed. ID No.:** _____ **County:** Cook
Site File Name: Abandoned Crestwood Well #1 **Boring / Well No.:** GP-9
GPS Coordinates: **Northing** Unspecified **Easting** Unspecified **Date: Start** 06/10/09 **Finish** 06/10/09
Equipment Used: Geoprobe 6600/MC-5 Sampler/SP-16 **Surface Elevation:** Unspecified
Location Description: Parking lot north of strip mall in front of Casino Shuttle. **Completion Depth:** 26.3 Feet
Deep boring. **Logged By:** James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



← 0 - 4 →	Macro-Core	2.0 Feet	0	ppb
← 0 - 4 →	Macro-Core	2.0 Feet	0	ppb
← 4 - 8 →	Macro-Core	4.0 Feet	0	ppb
← 4 - 8 →	Macro-Core	4.0 Feet	0	ppb
← 8 - 12 →	Discrete Core	2.6 Feet	0	ppb
← 8 - 12 →	Discrete Core	2.6 Feet	0	ppb
← 12 - 16 →	Discrete Core	3.6 Feet	0	ppb
← 12 - 16 →	Discrete Core	3.6 Feet	0	ppb
← 16 - 20 →	Discrete Core	3.1 Feet	0	ppb
← 16 - 20 →	Discrete Core	3.1 Feet	0	ppb
← 20 - 24 →	Discrete Core	2.3 Feet	0	ppb
← 20 - 24 →	Discrete Core	2.3 Feet	0	ppb
← 24 - 28 →	Discrete Core	2.5 Feet	0	ppb
← 24 - 28 →	Discrete Core	2.5 Feet	0	ppb

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0310605500 Fed. ID No.: _____ County: Cook

Site File Name: Abandoned Crestwood Well #1 Boring / Well No.: GP-11

GPS Coordinates: Northing Unspecified Easting Unspecified Date: Start 06/10/09 Finish 06/10/09

Equipment Used: Geoprobe 6600/MC-5 Sampler/SP-16 Surface Elevation: Unspecified

Location Description: Deep boring by GP-1 west of tennis courts. Completion Depth: 33 Feet

Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	

15				15								Refer to boring GP-1 for 0-16 ft geology.
16			SILT: Gray silt, trace of sand and gravel, moist - wet, medium stiff. (16'-18')	16			← 16 - 20 →	Discrete Core	3.2 Feet	0	ppb	
17			4' of crushed limestone @ 17.5 ft.	17						0	ppb	
18			GRAVELLY SILT: Gray sandy, gravelly silt. Percentage of sand and gravel variable throughout. Moisture content varies from moist to saturated. Hardness varies from soft to very stiff. Soft areas have higher moisture content. (18'-33')	18						0	ppb	
19				19						0	ppb	
20				20						0	ppb	
21			20' - Soft / wet at top of core.	21			← 20 - 24 →	Discrete Core	4.0 Feet	0	ppb	
22			22' - Very stiff, moist, till like, gravel subangular.	22						0	ppb	
23				23			← 24 - 28 →	Discrete Core	4.0 Feet	0	ppb	
24			24' - Moist to wet.	24						0	ppb	
25				25						0	ppb	
26				26						0	ppb	
27				27			← 28 - 32 →	Discrete Core	3.0 Feet	0	ppb	
28			28' - Soft / wet sandy silt and gravel top 4' of core.	28						0	ppb	
29				29						0	ppb	
30			29.5' - 33' Rock Fragments / gravel, wet.	30						0	ppb	
31				31						0	ppb	
32				32						0	ppb	
33			Refusal @ 33 ft. Bedrock	33			← 32 - 36 →	Discrete Core	1.0 Feet	0	ppb	
34				34								
35				35								
36				36								
37				37								
38				38								