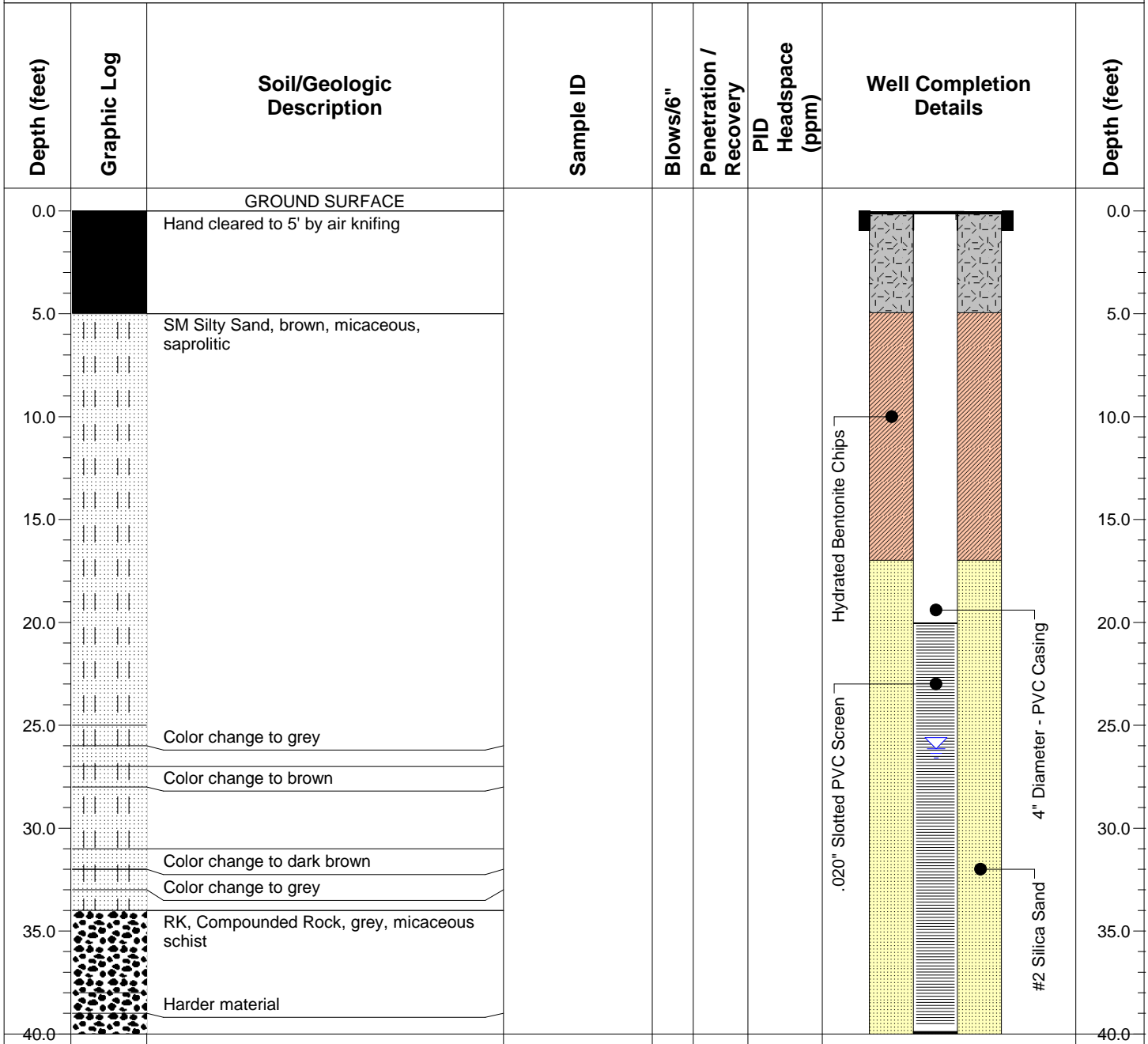


APPENDIX A – BORING LOGS



Project Name: Exxon Facility 28077
Site Location: 14258 Jarrettsville Pike, Phoenix, MD
Project No: 88407
Client: Exxon Mobil Corporation
Drilling Company: BL Myers Bros.
Driller: Matt Disley
Drill Rig Type: IR T3W
Drilling Method: Air Rotary
Sampling Method: Grab Sample

Start Date: 10-11-07
End Date: 10-11-07
Total Hole Depth: 40'
Hole Diameter: 8"
Depth to Bedrock: 34'
Well Diameter: 4"
Water Level (Initial): 26.15'
Screen Length: 20'
TOC Elevation:

Logged By: EW
Permit No.: BA-95-2061
Checked By: EW
Notes:



PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis

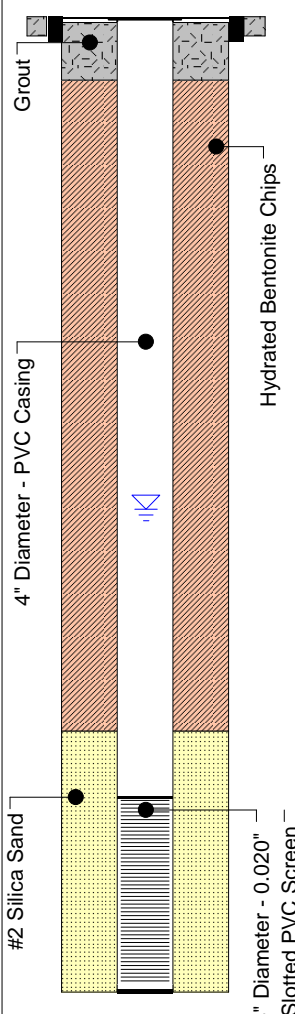
 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve



Project Name: Exxon Facility 28077
Site Location: 14258 Jarrettsville Pike, Phoenix, MD
Project No: 88407
Client: Exxon Mobil Corporation
Drilling Company: BL Myers Bros.
Driller: Matt Disley
Drill Rig Type: IR T3W
Drilling Method: Air Rotary
Sampling Method: Grab Sample

Start Date: 10-19-07
End Date: 10-19-07
Total Hole Depth: 75'
Hole Diameter: 8"
Depth to Bedrock: 51'
Well Diameter: 4"
Water Level (Initial): 37.87'
Screen Length: 15'
TOC Elevation:

Logged By: AKK
Permit No.: BA-195-2067
Checked By: EW
Notes:




Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 5.0		ML-Silt, light brown, micaceous	MW-164B (2')			5.7		0.0
5.0 - 6.0		SM-Silty SAND, fine grained, light brown, saprolitic, micaceous	MW-164B (4')		1.1	5.0		
6.0 - 8.0		SM-Silty SAND, fine grained, light brown, saprolitic, micaceous	MW-164B (6')		0.9	6.0		
8.0 - 51.0		SM-Silty SAND, fine grained, light brown, saprolitic, micaceous	MW-164B (8')		0	8.0		
51.0		Slightly harder and gray RK-Bedrock						51.0
65.0		1/4 GPM						65.0
80.0								80.0

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name: Exxon Facility 28077	Start Date: 10-18-07	Logged By: AKK
Site Location: 14258 Jarrettsville Pike, Phoenix, MD	End Date: 10-19-07	Permit No.: BA-95-2057
Project No: 88407	Total Hole Depth: 350	Checked By: EW
Client: Exxon Mobil Corporation	Hole Diameter: 6"	Notes:
Drilling Company: BL Myers Bros.	Depth to Bedrock: 44'	
Driller: Matt Disley	Well Diameter: 6"	
Drill Rig Type: IR T3W	Water Level (Initial): 60.53	
Drilling Method: Air Rotary	Screen Length: Open Hole Interval	
Sampling Method: Grab Sample	TOC Elevation:	

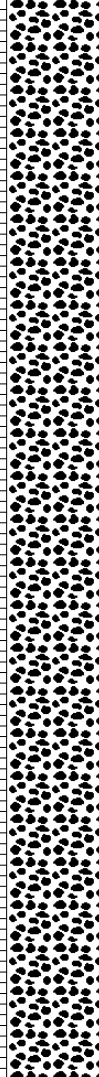
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 5.0		Asphalt SM Brown Silty SAND, saprolitic	MW-42C (2') MW-42C (4') MW-42C (6') MW-42C (8')			0.6 11.6 3.5	6" Diameter - Steel Casing	0.0 - 5.0
5.0 - 30.0		Dry						5.0 - 30.0
30.0 - 45.0								30.0 - 45.0
45.0 - 50.0		RK-Bedrock 1/2 gpm						45.0 - 50.0
50.0 - 60.0								50.0 - 60.0
60.0 - 65.0		Harder material						60.0 - 65.0
65.0 - 100.0							Open Borehole to Terminal Depth	65.0 - 100.0

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
HA - Hand Auger Sample
S - Split Spoon Sample
GS - Grab Sample
C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-18-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-19-07	Permit No.:	BA-95-2057
Project No:	88407	Total Hole Depth:	350	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	44'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	60.53		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

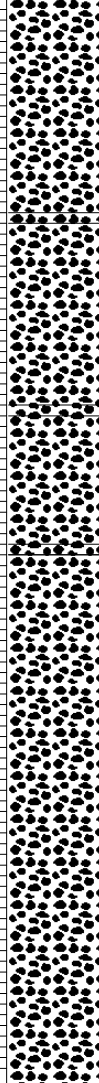
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
105.0							Open Borehole to Terminal Depth	105.0
110.0								110.0
115.0								115.0
120.0								120.0
125.0								125.0
130.0								130.0
135.0								135.0
140.0								140.0
145.0								145.0
150.0								150.0
155.0								155.0
160.0								160.0
165.0								165.0
170.0								170.0
175.0								175.0
180.0								180.0
185.0								185.0
190.0						190.0		
195.0						195.0		
200.0						200.0		

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-18-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-19-07	Permit No.:	BA-95-2057
Project No:	88407	Total Hole Depth:	350	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	44'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	60.53		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

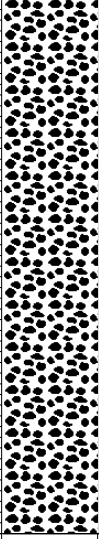

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
205.0							Open Borehole to Terminal Depth	205.0
210.0								210.0
215.0								215.0
220.0								220.0
225.0								225.0
230.0								230.0
235.0								235.0
240.0								240.0
245.0								245.0
250.0								250.0
255.0								255.0
260.0								260.0
265.0								265.0
270.0								270.0
275.0								275.0
280.0								280.0
285.0								285.0
290.0								290.0
295.0						295.0		
300.0						300.0		

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-18-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-19-07	Permit No.:	BA-95-2057
Project No:	88407	Total Hole Depth:	350	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	44'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	60.53		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
305.0								305.0
310.0								310.0
315.0								315.0
320.0								320.0
325.0								325.0
330.0								330.0
335.0								335.0
340.0								340.0
345.0								345.0
350.0								350.0
355.0								
360.0								360.0
365.0								365.0
370.0								370.0
375.0								375.0
380.0								380.0
385.0								385.0
390.0								390.0
395.0								395.0
400.0								400.0

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis

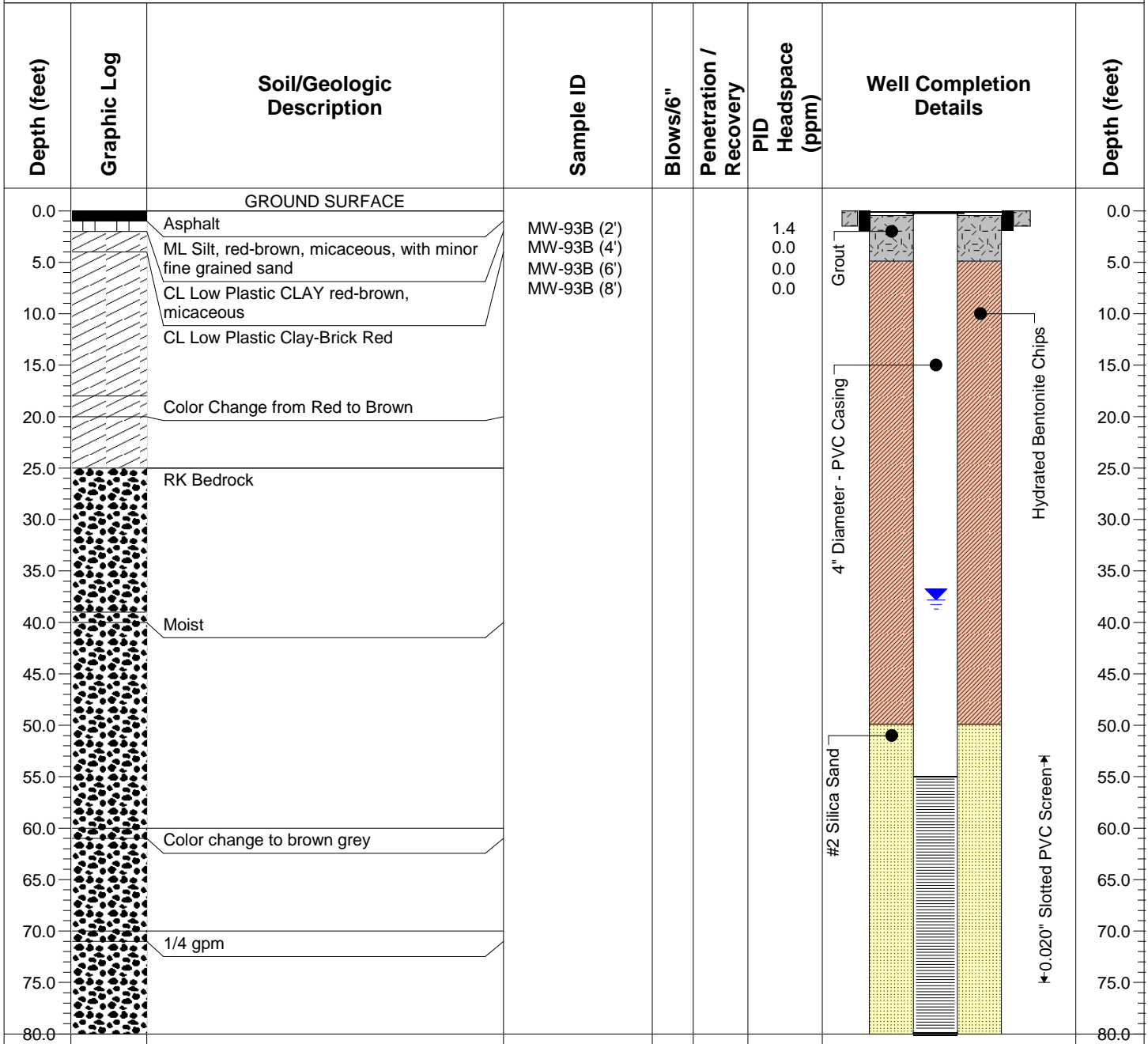
 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve



Project Name: Exxon Facility 28077
Site Location: 14258 Jarrettsville Pike, Phoenix, MD
Project No: 88407
Client: Exxon Mobil Corporation
Drilling Company: BL Myers Bros.
Driller: Matt Disley
Drill Rig Type: IR T3W
Drilling Method: Air Rotary
Sampling Method: Grab Sample

Start Date: 10-15-07
End Date: 10-15-07
Total Hole Depth: 80
Hole Diameter: 8"
Depth to Bedrock: 25'
Well Diameter: 4"
Water Level (Initial): 37.82
Screen Length: 20'
TOC Elevation:

Logged By: AKK
Permit No.: BA-95-2058
Checked By: EW
Notes:







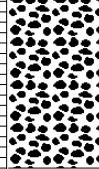
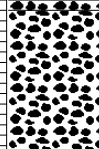


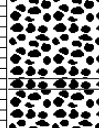
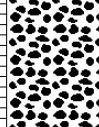



PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name: Exxon Facility 28077	Start Date: 10-8-07	Logged By: AKK
Site Location: 14258 Jarrettsville Pike, Phoenix, MD	End Date: 10-9-07	Permit No.: BA-95-2059
Project No: 88407	Total Hole Depth: 300	Checked By: EW
Client: Exxon Mobil Corporation	Hole Diameter: 6"	Notes:
Drilling Company: BL Myers Bros.	Depth to Bedrock: 25	
Driller: Matt Disley	Well Diameter: 6"	
Drill Rig Type: IR T3W	Water Level (Initial): 44.0'	
Drilling Method: Air Rotary	Screen Length: Open Hole Interval	
Sampling Method: Grab Sample	TOC Elevation:	

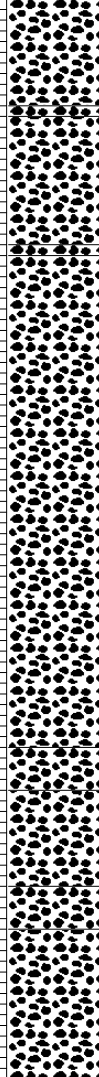
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 2.0		Asphalt	MW-93C (2')			0.0	6" Diameter - Steel Casing	0.0
2.0 - 5.0		ML-Silt, brown, micaceous, with minor fine grained sand	MW-93C (4')			0.0		5.0
5.0 - 10.0		CL-Low plastic CLAY, red-brown, micaceous	MW-93C (6')			0.0		10.0
10.0 - 15.0		CL Low Plastic CLAY, brick red	MW-93C (8')			0.0		15.0
15.0 - 25.0		Bedrock-schist Color Change-brown						25.0
25.0 - 30.0		RK-Bedrock						30.0
30.0 - 50.0		Wet						40.0
50.0 - 65.0		Dry						50.0
65.0 - 70.0		Mud						65.0
70.0 - 75.0		Moist						70.0
75.0 - 85.0		Color change--light grey, harder					80.0	
85.0 - 100.0		Open Hole to Terminal Depth					90.0	
								100.0

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
HA - Hand Auger Sample
S - Split Spoon Sample
GS - Grab Sample
C - Macrocore Sleeve

Project Name: Exxon Facility 28077	Start Date: 10-8-07	Logged By: AKK
Site Location: 14258 Jarrettsville Pike, Phoenix, MD	End Date: 10-9-07	Permit No.: BA-95-2059
Project No: 88407	Total Hole Depth: 300	Checked By: EW
Client: Exxon Mobil Corporation	Hole Diameter: 6"	Notes:
Drilling Company: BL Myers Bros.	Depth to Bedrock: 25	
Driller: Matt Disley	Well Diameter: 6"	
Drill Rig Type: IR T3W	Water Level (Initial): 44.0'	
Drilling Method: Air Rotary	Screen Length: Open Hole Interval	
Sampling Method: Grab Sample	TOC Elevation:	

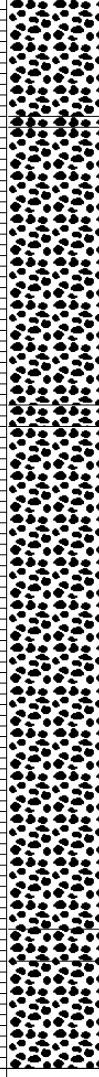
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
105.0							Open Hole to Terminal Depth -	105.0
110.0		Moist						110.0
115.0								115.0
120.0								120.0
125.0		Dry						125.0
130.0								130.0
135.0								135.0
140.0								140.0
145.0								145.0
150.0								150.0
155.0								155.0
160.0								160.0
165.0								165.0
170.0		3/4 GPM						170.0
175.0								175.0
180.0						180.0		
185.0	1/2 GPM					185.0		
190.0						190.0		
195.0						195.0		
200.0						200.0		

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
HA - Hand Auger Sample
S - Split Spoon Sample
GS - Grab Sample
C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-8-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-9-07	Permit No.:	BA-95-2059
Project No:	88407	Total Hole Depth:	300	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	25		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	44.0'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
205.0							Open Hole to Terminal Depth	205.0
210.0								210.0
215.0		Harder material						215.0
220.0								220.0
225.0								225.0
230.0								230.0
235.0								235.0
240.0		Harder material <1/4 GPM						240.0
245.0								245.0
250.0								250.0
255.0								255.0
260.0								260.0
265.0								265.0
270.0								270.0
275.0								275.0
280.0						280.0		
285.0						285.0		
290.0	Harder material 1/2 GPM					290.0		
295.0						295.0		
300.0						300.0		

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis

 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
HA - Hand Auger Sample
S - Split Spoon Sample
GS - Grab Sample
C - Macrocore Sleeve



Project Name: Exxon Facility 28077
Site Location: 14258 Jarrettsville Pike, Phoenix, MD
Project No: 88407
Client: Exxon Mobil Corporation
Drilling Company: BL Myers Bros.
Driller: Matt Disley
Drill Rig Type: IR T3W
Drilling Method: Air Rotary
Sampling Method: Grab Sample

Start Date: 10-8-07
End Date: 10-8-07
Total Hole Depth: 450
Hole Diameter: 6"
Depth to Bedrock: 34'
Well Diameter: 6"
Water Level (Initial): 42.22'
Screen Length: Open Hole Interval
TOC Elevation:

Logged By: AKK
Permit No.: BA-95-2060
Checked By: EW
Notes:

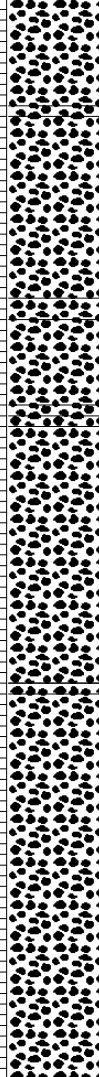
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 1.0	Asphalt		MW-165C (2')			5.5	6" Diameter - Steel Casing Open Hole to Terminal Depth	0.0
1.0 - 4.0	MH-Clayey Silt, brown, micaceous		MW-165C (4')		6.1	5.0		
4.0 - 6.0	SM Silty Sand, dark red-brown, saprolitic, fine grained		MW-165C (6')		3.5	10.0		
6.0 - 15.0	SM-Silty Sand, brown, saprolitic, fine grained		MW-165C (8')		4.4	15.0		
15.0 - 20.0	Fracture					20.0		
20.0 - 35.0						25.0		
35.0 - 40.0	RK-Bedrock Schist					30.0		
40.0 - 55.0						35.0		
55.0 - 60.0	Color change to grey, harder, dryer material					40.0		
60.0 - 70.0						45.0		
70.0 - 75.0	Color change to light grey					50.0		
75.0 - 80.0	Fracture 1/4 gpm					55.0		
80.0 - 85.0						60.0		
85.0 - 90.0	Color change to brown					65.0		
90.0 - 95.0	Color change to light grey Very micaceous					70.0		
95.0 - 100.0	Brown					75.0		
						80.0		
						85.0		
						90.0		
						95.0		
						100.0		

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-8-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-8-07	Permit No.:	BA-95-2060
Project No:	88407	Total Hole Depth:	450	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	34'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	42.22'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

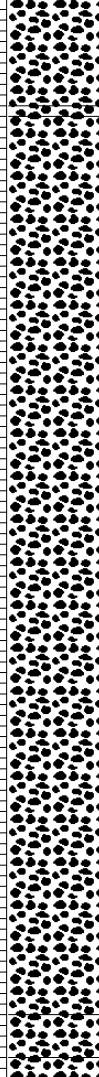
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
105.0							Open Hole to Terminal Depth	105.0
110.0		Harder Material						110.0
115.0								115.0
120.0								120.0
125.0								125.0
130.0		Fracture-dry						130.0
135.0								135.0
140.0		Fracture 1 gpm						140.0
145.0		Light grey micaceous						145.0
150.0								150.0
155.0								155.0
160.0								160.0
165.0		Dry						165.0
170.0								170.0
175.0								175.0
180.0						180.0		
185.0						185.0		
190.0						190.0		
195.0						195.0		
200.0						200.0		

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-8-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-8-07	Permit No.:	BA-95-2060
Project No:	88407	Total Hole Depth:	450	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	34'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	42.22'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

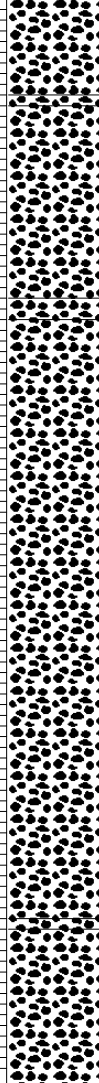
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)	
205.0						Open Hole to Terminal Depth -			
210.0									
215.0									
220.0									
225.0									
230.0									
235.0									
240.0									
245.0									
250.0									
255.0									
260.0									
265.0									
270.0									
275.0									
280.0									
285.0									
290.0									
295.0									
300.0									

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
HA - Hand Auger Sample
S - Split Spoon Sample
GS - Grab Sample
C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-8-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-8-07	Permit No.:	BA-95-2060
Project No:	88407	Total Hole Depth:	450	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	34'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	42.22'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

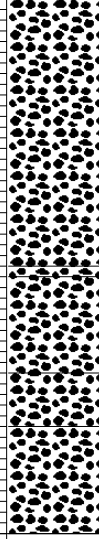

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
305.0							Open Hole to Terminal Depth -	305.0
310.0		Dry						310.0
315.0								315.0
320.0								320.0
325.0								325.0
330.0		Dry						330.0
335.0								335.0
340.0								340.0
345.0								345.0
350.0								350.0
355.0								355.0
360.0								360.0
365.0								365.0
370.0								370.0
375.0								375.0
380.0								380.0
385.0		3/4 GPM						385.0
390.0								390.0
395.0						395.0		
400.0						400.0		

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-8-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-8-07	Permit No.:	BA-95-2060
Project No:	88407	Total Hole Depth:	450	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	34'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	42.22'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
405.0							 Open Hole to Terminal Depth -	405.0
410.0								410.0
415.0								415.0
420.0								420.0
425.0			1/2 GPM					425.0
430.0								430.0
435.0			Harder Material					435.0
440.0								440.0
445.0								445.0
450.0								450.0
455.0							455.0	
460.0							460.0	
465.0							465.0	
470.0							470.0	
475.0							475.0	
480.0							480.0	
485.0							485.0	
490.0							490.0	
495.0							495.0	
500.0							500.0	

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis

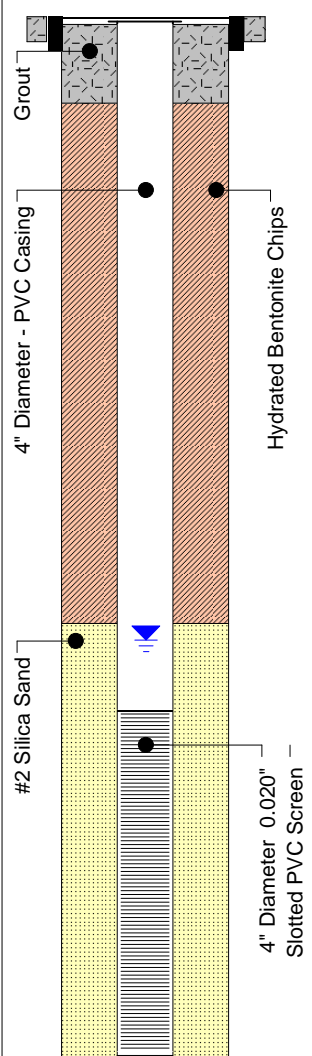
 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve



Project Name: Exxon Facility 2-8077
Site Location: 14258 Jarrettsville Pike, Phoenix, MD
Project No: 88407
Client: Exxon Mobil Corporation
Drilling Company: BL Myers Bros.
Driller: Matt Disley
Drill Rig Type: IR T3W
Drilling Method: Air Rotary
Sampling Method: Grab Sample

Start Date: 11-2-07
End Date: 11-2-07
Total Hole Depth: 60'
Hole Diameter: 8"
Depth to Bedrock: 42'
Well Diameter: 4"
Water Level (Initial): 35.95'
Screen Length: 20'
TOC Elevation:

Logged By: AKK
Permit No.: BA-95-2066
Checked By: EW
Notes:


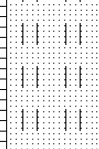

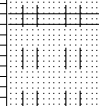
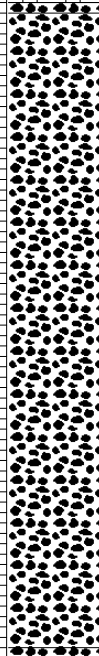
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 2.0		SM-Silty Sand, fine grained, light brown, micaceous	MW-166A (2')			5.5		0.0
2.0 - 4.0		SM-Silty Sand, fine grained, brown-green, saprolitic	MW-166A (4')			5.2		5.0
4.0 - 6.0		SM-Silty Sand, fine grained, dark brown, saprolitic	MW-166A (6')			5.5		10.0
6.0 - 8.0		SM-Silty Sand, fine grained, dark brown, saprolitic	MW-166A (8')			6.8		15.0
8.0 - 15.0		Harder material, light brown					20.0	
15.0 - 25.0		Harder material					25.0	
25.0 - 30.0		Transition from light brown material to gray material					30.0	
30.0 - 42.0		RK-Bedrock, gray, harder material					35.0	
42.0 - 60.0		Moist					40.0	

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-15-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-16-07	Permit No.:	BA-95-2062
Project No:	88407	Total Hole Depth:	400	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	32'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	37.0'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

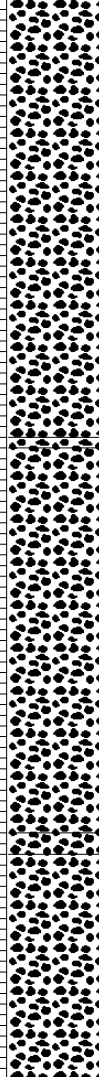
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 5.0		Asphalt	MW-92A (2')			0.0	6" Diameter - Steel Casing	0.0
5.0 - 20.0		SM-Silty Sand, dark brown, fine grained, micaceous, saprolitic	MW-92A (4')			0.0		5.0
20.0 - 25.0		Color change to grey	MW-92A (6')			0.0		10.0
25.0 - 33.0		Dry	MW-92A (8')			0.0		15.0
33.0 - 95.0		RK-Bedrock Grey, micaceous schist 1/4 gpm					Open Borehole to Terminal Depth	30.0
35.0								35.0
40.0								40.0
45.0								45.0
50.0								50.0
55.0								55.0
60.0								60.0
65.0								65.0
70.0								70.0
75.0								75.0
80.0								80.0
85.0								85.0
90.0							90.0	
95.0		Harder material					95.0	
100.0							100.0	

PID - Photoionization Detector
ppm - Parts per million
NA - Not Applicable
* Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
HA - Hand Auger Sample
S - Split Spoon Sample
GS - Grab Sample
C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-15-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-16-07	Permit No.:	BA-95-2062
Project No:	88407	Total Hole Depth:	400	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	32'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	37.0'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

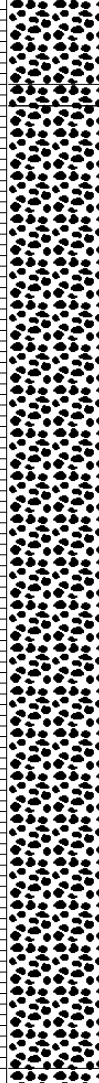
Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)	
105.0							Open Borehole to Terminal Depth -	105.0	
110.0									110.0
115.0									115.0
120.0									120.0
125.0									125.0
130.0									130.0
135.0									135.0
140.0									140.0
145.0									145.0
150.0									150.0
155.0									155.0
160.0									160.0
165.0									165.0
170.0									170.0
175.0									175.0
180.0									180.0
185.0									185.0
190.0							190.0		
195.0							195.0		
200.0							200.0		

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis

 - Water Level Initial Measurement
 - Water Level Subsequent Measurement



Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-15-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-16-07	Permit No.:	BA-95-2062
Project No:	88407	Total Hole Depth:	400	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	32'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	37.0'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
205.0							Open Borehole to Terminal Depth --	205.0
210.0								210.0
215.0								215.0
220.0								220.0
225.0								225.0
230.0								230.0
235.0								235.0
240.0								240.0
245.0								245.0
250.0								250.0
255.0								255.0
260.0								260.0
265.0								265.0
270.0								270.0
275.0								275.0
280.0								280.0
285.0								285.0
290.0	290.0							
295.0	295.0							
300.0	300.0							

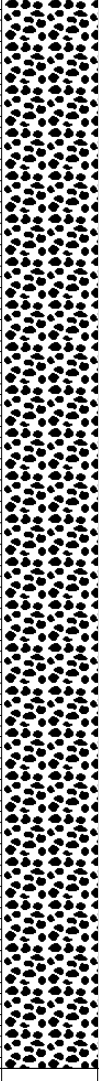
1/2 gpm

 PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis



 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

 Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve

Project Name:	Exxon Facility 28077	Start Date:	10-15-07	Logged By:	AKK
Site Location:	14258 Jarrettsville Pike, Phoenix, MD	End Date:	10-16-07	Permit No.:	BA-95-2062
Project No:	88407	Total Hole Depth:	400	Checked By:	EW
Client:	Exxon Mobil Corporation	Hole Diameter:	6"	Notes:	
Drilling Company:	BL Myers Bros.	Depth to Bedrock:	32'		
Driller:	Matt Disley	Well Diameter:	6"		
Drill Rig Type:	IR T3W	Water Level (Initial):	37.0'		
Drilling Method:	Air Rotary	Screen Length:	Open Hole Interval		
Sampling Method:	Grab Sample	TOC Elevation:			

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
305.0							Open Borehole to Terminal Depth -	305.0
310.0								310.0
315.0								315.0
320.0								320.0
325.0								325.0
330.0								330.0
335.0								335.0
340.0								340.0
345.0								345.0
350.0								350.0
355.0								355.0
360.0								360.0
365.0								365.0
370.0								370.0
375.0								375.0
380.0								380.0
385.0								385.0
390.0						390.0		
395.0						395.0		
400.0						400.0		

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis

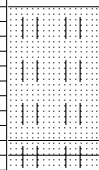
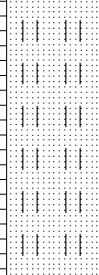
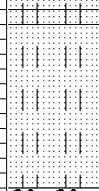
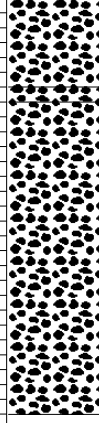
 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
 GS - Grab Sample
 C - Macrocore Sleeve



Project Name: Exxon Facility 2-8077
Site Location: 14258 Jarrettsville Pike, Phoenix, MD
Project No: 88407
Client: Exxon Mobil Corporation
Drilling Company: BL Myers Bros.
Driller: Matt Disley
Drill Rig Type: IR T3W
Drilling Method: Air Rotary
Sampling Method: Grab Sample

Start Date: 11-2-07
End Date: 11-2-07
Total Hole Depth: 70'
Hole Diameter: 8"
Depth to Bedrock: 42'
Well Diameter: 2"
Water Level (Initial): 36.35'
Screen Length: 20'
TOC Elevation:

Logged By: TM
Permit No.: BA-95-2065
Checked By: EW
Notes:

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0.0		GROUND SURFACE						0.0
0.0 - 10.0		SM Silty Sand, brown, moist, stiff					Grout	0.0 - 10.0
10.0 - 30.0		Very stiff material					2" Diameter - PVC Casing	10.0 - 30.0
30.0 - 45.0		Hard, light, brown					Hydrated Bentonite Chips	30.0 - 45.0
45.0 - 70.0		RK-Bedrock, light gray, micaceous schist					#2 Silica Sand	45.0 - 70.0
		Very hard material					2" Diameter 0.020" Slotted PVC Screen	

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample submitted for laboratory analysis

 - Water Level Initial Measurement
 - Water Level Subsequent Measurement

Sample ID:
 HA - Hand Auger Sample
 S - Split Spoon Sample
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 C - Macrocore Sleeve