

Date Start/Finish: 5/5/2010 to 5/7/2010
Drilling Company: Boart Longyear
Driller's Name: Rodney (Bear) Parr
Drilling Method: Rotosonic
Sampling Method: 10 ft by 4 in (ID) Core Barrel
Rig Type: Track-mounted Rotosonic

Northing: 216189.93
Easting: 690015.21
Casing Elevation: 24.13 ft msl
Borehole Depth: 227 ft bgs
Surface Elevation: 24.51 ft msl
Descriptions By: David Heuer

Well/Boring ID: MW-14D
Client: Public Well TCE Site
Location: WB Atkins Memorial Park, Millsboro, DE

DRAFT

DEPTH	ELEVATION	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0					Light brown Silty VF SAND	
5	20	0 - 7 ft	100		Light orange-tan Silty VF-F SAND, trace Clay and M Sand	
10	15				Light orange-orange-tan Silty VF-F SAND, trace Clay and M Sand, slightly cohesive	
15	10	7 - 17 ft	100		Light greenish gray F-M SAND, some C Sand and F Gravel, trace VF Sand and Silt, loose, subrounded gravel	
20	5				Light greenish gray-tan VF SAND, trace F-M Sand and Clay, slightly cohesive	
25	0	17 - 27 ft	100		Light greenish gray-tan VF-F SAND, trace M-C Sand and Silt, loose	
30	-5				Light greenish gray VF Sandy SILT and CLAY, stiff and cohesive, seems of orange Silty VF-M Sand throughout	
35	-10	27 - 37 ft	100		Light greenish gray F-C SAND, some F-M Gravel, trace VF Sand and Silt, loose, subrounded gravel	
					Light gray-tan VF-F SAND	

Remarks: Water levels measured on 5/21/10: MW-14S - 16.40 ft bgs; MW-14M - 10.70 ft bgs; MW-14D - 9.79 ft bgs.

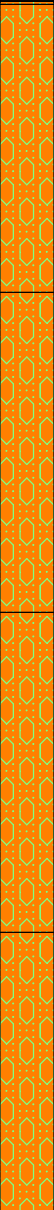



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DEPTH	ELEVATION	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
40	-15	37 - 47 ft	100		Light gray-tan-orange F-M SAND, some C Sand, little F-M Gravel, trace Silt, loose, subrounded gravel	
45	-20				Orange F-C SAND, little Gravel, subrounded, loose, grades to a VF-F Sand with trace M-C Sand and F Gravel at 56-57 ft bgs	
50	-25	47 - 57 ft	100		Orange-tannish orange VF-F SAND, little M Sand, trace C Sand and F-M Gravel, subrounded	
55	-30				Orange-tannish orange VF-M SAND, little C Sand and F Gravel, trace M-C Gravel, Silt, Clay, few seams of relatively coarser material (M-C Sand and Gravel)	
60	-35	57 - 67 ft	100			
65	-40					
70	-45	67 - 77 ft	100			
75	-50					

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DEPTH	ELEVATION	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction			
80	-55	77 - 87 ft	100		Tan VF-M SAND, some C Sand, little Gravel				
					Tan-orange VF-F SAND, some M Sand, little C Sand and Gravel				
					Tanish orange VF-F SAND, trace M Sand, little C Sand				
85	-60	87 - 97 ft	100		Tanish orange VF-M SAND, little C Sand		<p>MW-14S well screen 80 to 90 ft bgs. Well installed next to MW-14D by mud rotary method.</p>		
					Orange VF SAND, some F Sand, trace M-C Sand				
					Orange Silty VF-F SAND, trace M Sand				
90	-65	87 - 97 ft	100		Gray Silty VF-F SAND, trace M Sand			<p>MW-14S well screen 80 to 90 ft bgs. Well installed next to MW-14D by mud rotary method.</p>	
					Gray Clayey SILT, little rounded quartz F Gravel, trace lignite and decomposed wood, stiff				
					Gray VF Sandy SILT, some Clay				
95	-70	97 - 107 ft	100		Gray Clayey SILT, trace lignite, stiff				<p>MW-14S well screen 80 to 90 ft bgs. Well installed next to MW-14D by mud rotary method.</p>
					Gray VF Sandy SILT with varying Clay and VF Sand content, wetness varies				
					Gray Clayey SILT, very stiff				
100	-75	97 - 107 ft	100		Dark gray Clayey SILT, stiff	<p>MW-14S well screen 80 to 90 ft bgs. Well installed next to MW-14D by mud rotary method.</p>			
					Gray VF Sandy SILT				
					Dark gray-black Clayey SILT with white shells				
105	-80	107 - 117 ft	100		Dark gray Clayey SILT, stiff		<p>MW-14S well screen 80 to 90 ft bgs. Well installed next to MW-14D by mud rotary method.</p>		
					Gray VF Sandy SILT				
					Dark gray Clayey SILT, stiff				
110	-85	107 - 117 ft	100		Gray VF Sandy SILT			<p>MW-14S well screen 80 to 90 ft bgs. Well installed next to MW-14D by mud rotary method.</p>	
					Dark gray-black Clayey SILT with white shells				
					Dark gray Clayey SILT, stiff				
					Gray VF Sandy SILT				

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115	-90				Dark gray Clayey SILT, stiff	
					Gray very Silty VF SAND, wet, semi-loose	
120	-95				Gray Clayey SILT, moist	
		117 - 127 ft	100		Gray very Silty VF SAND, wet, semi-loose	
125	-100				Gray Silty VF SAND, wet, loose	
		127 - 137 ft	100		Light gray-brown CLAY and SILT, low moisture, stiff, few seems of VF Sand SILT (2-3" thick), more VF Sand and Silt with depth	
130	-105					
					Gray very Silty VF SAND, wet, semi-loose	
135	-110					
		137 - 147 ft	100		Gray CLAY and SILT, very stiff, low moisture	
140	-115					
					Gray very Silty VF SAND, highly moist, semi-loose	
145	-120					
					Gray Silty VF SAND, wet, loose	
					Gray SILT and CLAY, very stiff, wood fragments present throughout	
150	-125					

MW-14M well screen 122 to 127 ft bgs. Well installed next to MW-14D by mud rotary method.



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		147 - 157 ft	100			
-130	155				Gray Silty VF SAND, wet, semi-loose, wood fragments at 154 ft bgs	
-135	160	157 - 167 ft	100		Gray Silty VF SAND, wet, loose, 5" Clayey Silt seem at 165.5 to 166 ft bgs	
-140	165					
-145	170	167 - 177 ft	100		Gray Silty VF SAND, wet, loose	
-150	175					
-155	180	177 - 187 ft	100			
-160	185					
-165						

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190		187 - 197 ft	100			
-170	195					
		197 - 207 ft	100		Light Gray VF SAND, trace to no Silt, wet, loose	
-175	200					
-180	205					
-185	210	207 - 217 ft	100			
-190	215					
		217 - 227 ft	100			
-195	220					
-200	225					



MW-14D well screen 210 to 220 ft bgs.

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