

Drilling Log

Project Name <i>Cessna</i>						Boring No. <i>D-12</i>	
Project No. <i>BS-141-4-001</i>						Page <i>1</i> of <i>8</i>	
Ground Elevation <i>1300.2</i>			Location <i>See Boring Location Plan</i>			Total Footage <i>117'</i>	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. Core Boxes	Depth To Water	Date Measured
<i>Wash Bore</i>	<i>6"</i>	<i>117'</i>	<i>-0-</i>	<i>7</i>	<i>-0-</i>	<i>See Remarks</i>	
Drilling Co. <i>Layne Western Company Inc</i>				Driller (s) <i>Buck Blank Roger Bedloe</i>			
Drilling Rig. <i>ATV mounted CME 750</i>				Type of Penetration Test <i>Standard</i>			
Date <i>12.9.86</i>		To <i>12.11.86</i>		Field Observer (s) <i>M Eversman</i>			

Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks
1	<i>Red Brown silty clay</i>					<i>Started drilling @ 9:30am</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13	<i>Brown sand Fine to Medium Grained</i>					
14						

Drilling Log, continued

Project Name <i>Cessna</i>						Boring No. <i>D-12</i>	
Project No. <i>BS-141-4-001</i>						Page <i>2</i> of <i>8</i>	
						Date <i>12.9.86</i>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
15							
16							
17							
18							
19							
20	Brown sand. Fine to Medium grained						
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

Drilling Log, continued

Project Name <i>Cessna</i>						Boring No. <i>D-12</i>	
Project No. <i>B5-141-4-001</i>						Page <i>3</i> of <i>8</i>	
						Date <i>12.9.86</i>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
32	<i>Brown sand. Fine to Medium Grained</i>						
33							
34							
35							
36							
37							
38							
39							
40	<i>as above</i>						
41							
42							
43							
44							
45							
46							
47	<i>as above</i>						
48							

Drilling Log, continued

Project Name <u>Cessna</u>						Boring No. <u>D-12</u>	
Project No. <u>BS-141-4-001</u>						Page <u>4</u> of <u>8</u>	
						Date <u>12.9.86</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
49							
50	Brown sand. Medium to						
51	coarse grained						
52							
53							
54							
55	Brown sand Fine to V Fine						
56	grained						
57							
58							
59							
60	as above						
61							
62							
63							
64							
65							

Drilling Log, continued

Project Name <u>Cessna</u>						Boring No. <u>D-12</u>	
Project No. <u>85-141-4-001</u>						Page <u>5</u> of <u>8</u>	
						Date <u>12.9.86</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
66	Lt Tan / white sand. Fine to v. fine grained						
67							
68							
69							
70							
71	as above						
72							
73							
74							
75							
76							
77							
78							
79							
80	Brown sand v. Fine to Fine grained. Well sorted. v. Dense. Some medium sand		36 50+				Begin sampling @ 2:00 p 12.9.86
81							
82							
	Trace of Clay. Saturated						Drive spoon 212"

Drilling Log, continued

Project Name <u>Cessna</u>						Boring No. <u>D-12</u>	
Project No. <u>85-141-4-001</u>						Page <u>6</u> of <u>8</u>	
						Date <u>12.9.86</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
83							
84							
85	Brown sand V fine to Fine grained. Well Sorted V Dense		45	4/6	452	Only drove spoon 6"	
86	Trace of clay Saturated		-				
87							
88							
89							
90	as above. Traces of coarse gravel No clay		52	4/6	453	Drove spoon 6"	
91			-				
92						Stopped @ 5:30pm 12.9.86	
93						Resumed @ 12.10.86	
94							
95	Fine to coarse sand. Poorly sorted. V. Dense. Saturated		28	6"/12	454	Drove spoon 12"	
96	Trace of clay. Some cobble sized gravel		38				
97							
98							
99							

Drilling Log, continued

						Boring No. <i>D-12</i>	
Project Name <i>Cessna</i>						Page <i>7</i> of <i>8</i>	
Project No. <i>85-N1-4-001</i>						Date <i>12.10.86</i>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
100	Brown silty sandy clay Wet Medium plasticity V stiff Sand is fine grained. 6" coarse gravel layer at top of sample		30 50+			Drove spoon 12"	
101					555		
102							
103							
104							
105	Brown sand. Fine to Coarse Grained Poorly Sorted. V Dense Saturated. Trace of clay. Some medium gravel		28 50+			Drove spoon 11"	
106					556		
107							
108							
109							
110	Brown sand, v fine to fine grained. Well Sorted V Dense Saturated. Trace of coarse gravel. Trace of clay					Drove spoon 12"	
111					557		
112							
113							
114							
115							
116							

Drilling Log, continued

Project Name <u>Cessna</u>						Boring No. <u>D-12</u>	
Project No. <u>85-141-4-001</u>						Page <u>8</u> of <u>8</u>	
						Date <u>12.10.86</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
117	Gray shale					Refusal @ 116'	
	Total Depth 117'					Drilled 4' into shale. No sample could be taken - not enough rock's Gray shale in cuttings	
						Set 2" PVC 10' screen down to 116'	
						Gravel Pack to 23'	
						Bentonite Pellet Seal to 16'	
						Cement Bentonite Grout to surface	
						Completed @ 11:30a 12.11.86	

