



Project: Wells G & H Remedial Investigation
 TDD No.: FI-8409-01
 Sheet: 1 of 5
 Hole No.: S76

Location: Behind FJL Distributor Bldg.
 Angle from Horiz.: Vertical

Began: 16 JAN 85
 Completed: 23 JAN 85
 Driller: NEBC
 Drill Make & Model: Mobile B53
 Hole Dia.: 3.5"
 Overburden (ft): 130
 Rock (ft): 20
 Total Depth: 150

Core Recovery (ft):
 Core Bxs: 2
 Samples: 21
 El. Top of Casing:
 Ground El. S76D-52.98
 S76S-53.45
 S76M-52.39
 Depth to Top of Rock: 130'

Sample Hammer Weight/Fall: 140 lbs/30"
 Casing Solid Screen: Sch 80 PVC 1.5" I.D. 0.010 slot
 NUS Inspector: Sandhaus/Golden

Depth	Sample No.	ROCK		SOIL		Blows/6"	Well Construction	Stratum Description	Notes
		Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)				
5	01			24/7	0-2	3/27/20/34	[Well Construction Diagram]	1t BN F/M SAND	
	02			24/24	5-7	3/14/16/21		1t BN F SAND and SILT Below water table	
	03			24/24	10-12	11/6/8/13		1t BN F SAND and SILT S-76S Top of Ottawa Sand 13'	
15	04			24/22	15-17	9/10/16/17		1t BN SILT S-76S Top of screen at 15'	
	05			24/17	20-22	3/8/11/14		1t BN F/M SAND, Prominent Iron staining 20-20.5'	
25	06			24/24	25-27	9/12/14/19		Three discernable strata Top 8" - F/M 1t BN SAND and SILT Middle 8" - 1t BN F SAND Bottom 8" - 1t BN SILT and F SAND	
	07			24/21	30-32	10/8/5/6		1t BN F SAND some SILT	

GRANULAR SOILS PROPORTIONS ABBREVIATIONS

Blows/Ft	Density	USEI		
0-4	V. Loose	Trace (TR)	0-10%	F-Fine
4-10	Loose	Little (LI)	10-20%	M-Medium
10-30	M. Dense	Some (SO)	20-35%	C-Coarse
30-50	Dense	And	35-50%	F/M-Fine to Medium
>50	V. Dense			F/C-Fine to Coarse
				V-Very
				GR-Gray
				BN-Brown
				YEL-Yellow



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Location			
Behind FJL Distributors Bldg			

Depth	ROCK			SOIL			Well Construction	Stratum Description	Notes	
	Sample No.	Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)	Blows/6"				
35	08			24/24	35-37	8/8/7/10		lt BN F/M SAND, TR Silt biotite and muscovite plates visible		
40	09			24/24	40-42	4/3/5/6		lt BN F/M sand, TR Silt		
45	10			24/24	45-47	5/4/6/6		lt BN F SAND and SILT		
50	11			24/24	50-52	8/7/8/9		lt BN F SAND and SILT		
55	12			24/24	55-57	9/9/10/15		lt BN F SAND and SILT		
60	13			24/23	60-62	8/13/13/17		BN M SAND, some F SAND, little SILT		
65	14			24/20	65-67	5/5/8/9		S76S - Bottom of screen 65' lt BN F SAND and SILT		

REMARKS:



Project
Wells G & H Remedial Investigation

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Hole No.
S76

Location
Behind FJL Distributors Bldg.

Depth	ROCK			S.M.L.			Well Construction	Stratum Description	Notes	
	Sample No.	Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)	Blows/6"				
70	15			24/17	70-72	6/6/8/12		1t BN F SAND and SILT		
75	16			24/20	75-77	7/7/6/10			1t BN F SAND and SILT S76M Top of Ottawa Sand 75' S76M Top of screen at 78'	
80	17			24/23	80-82	7/10/14/18			BN F SAND and SILT	
85	18			24/22	85-87	5/9/15/12			BN F SAND, TR SILT	
90	19			24/15	90-92	4/6/8/11			BN M SAND, TR F SAND, TR SILT	
95	20			2/2	95-95	100			BN M SAND, TR F SAND, TR SILT NESTED BOULDERS	
100									NO SAMPLE NESTED BOULDERS	

REMARKS:



Project: Wells G & H Remedial Investigation
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 Sheet: 4 of 5
 Hole No.: S76
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Depth	ROCK			SOIL		Well Construction	Stratum Description	Notes
	Sample No.	Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)			
105	21			24/3	105-107	18/29/12/21	BN M SAND, TR Gravel TR Silt	
110				24/0	110	100	NO SAMPLE	1
115							NO SAMPLED ATTEMPTED	2
120							NO SAMPLE ATTEMPTED	3
125							NO SAMPLE ATTEMPTED	4
130	60/60						Bedrock: META GABBRO-DIORITE MODERATELY FRACTURED SOME FRACTURES QUARTZ FILLED	
135	60/60						S76D Top of Ottawa Sand 133' S76D Top of screen 135' META GABBRODIORITE HIGHLY FRACTURED W/SOME FRACTURES QUARTZ AND CALCITE FILLED	

REMARKS:

1. No sample due to running sands. Sands filled casing as much as 40' when tool string was retracted.
2. No sample attempted due to running sands (see note 1).
3. Same as note 2.
4. Same as note 3.



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Depth	ROCK			SOIL		Well Construction	Stratum Description	Notes
	Sample No.	Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)			
140		60/60					META GABBRODIORITE HIGHLY FRACTURED	
145		60/60						
150							Bottom of S76D - 150' EOB	*

REMARKS:

*General Note: All wells backfilled with 10 to 1 (by weight) cement/bentonite slurry to ground surface.