

20F3 112339



BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

LITHOLOGIC AND MONITOR WELL CONSTRUCTION LOG

PROJECT NAME: GOFER MARKET SITE ADDRESS: 4600 N. VIRGINIA ST., RENO
 PROJECT NUMBER: 00-02-117 LEGAL DESC: S26, T20N, R19E, NW 1/4, SW 1/4 APN: 003-091-18
 LOGGED BY: DARIN GALLOWAY FACILITY ID OR WAIVER: 4-000502 NOI NUMBER: 63202
 DATE: 8/30-31/2010 START: 8/30 - 07:00 DRILLING COMPANY: BOART LONGYEAR DRILLER: DUSTIN KING
 WELLID: GMVE-3 STOP: 8/31 - 11:45 DRILLING METHOD: SONIC SAMPLE METHOD: 8 OZ GLASS

DEPTH (FEET)	MONITOR WELL CONSTRUCTION DIAMETER: 4"	SAMPLE ID	PID	MOISTURE		COLOR	CONSISTENCY	GRAIN SIZE	CLASSIFICATION	REMARKS & ODORS
2	SCH. 40 PVC		0.0	SLIGHTLY MOIST		DARK BROWN TO WHITE	LOOSE	> 3" COARSE ANGULAR ANDESITE GRAVEL W/ SOME LOW PLASTICITY CLAY (BROWN/WHITE)	GC	NONE
4										
6										
8										
10		GMVE-3 @ 10'	1.3	DRY		BROWN	LOOSE	> 3" - < 3/4" COARSE SUBANGULAR ANDESITE GRAVEL (HYDROTHERMALLY ALTERED W/ SILICA VEINING), W/ SOME CLAY (BROWN)	GC	NONE
12										
14			0.2	DRY		LIGHT BROWN TO DARK BROWN	LOOSE	SAME AS ABOVE	GC	NONE
16										
18										
20	GMVE-3 @ 20'	0.6	DRY			LIGHT BROWN TO DARK BROWN	LOOSE	SAME AS ABOVE	GC	NONE
22										
24								FINES INCREASING W/ DEPTH, GRAVEL SIZE DECREASING W/ DEPTH STILL GC		
26										
28			37.1	DRY		LIGHT BROWN	LOOSE	3" TO < 3/4" SUB ANGULAR ANDESITE GRAVEL W/ SOME CLAY - MEDIUM PLASTICITY	GC	NONE
30	GMVE-3 @ 30'	38.5	DRY				LOOSE	SAME AS ABOVE	GC	NONE

TOTAL BORING DEPTH: 53.5' PAGE NO: 1 OF 2 ESTIMATED GROUND WATER DEPTH: DRY

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

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DEPTH (FEET)	MONITOR WELL CONSTRUCTION DIAMETER: 4"	SAMPLE ID	PID	MOISTURE COLOR CONSISTENCY			GRAIN SIZE	CLASSIFICATION	REMARKS & ODORS
				MOISTURE	COLOR	CONSISTENCY			
32		GMVE-3 @ 40'	31.8	SLIGHTLY MOIST	BLACK MATRIX BROWN ROCK	LOOSE	< 3" SUBANGULAR ANDESITE GRAVEL W/ SOME BLACK CLAY - MEDIUM PLASTICITY	GC	NONE
34			50.2						
36			42.8	SLIGHTLY MOIST	BROWN ROCK	SOFT	< 3/4" SUBANGULAR ANDESITE GRAVEL W/ ~50% WHITE & BROWN CLAY MEDIUM PLASTICITY	GC/CL	
38			21.8	DRY	LIGHT BROWN	LOOSE	< 3" SUBANGULAR ANDESITE GRAVEL W/ SOME MEDIUM PLASTICITY CLAY	GC	
40			47.9				SOME +3" CLASTS ANGULAR POSSIBLE BOULDER	GC	
42									
44			32.5				< 3" SUBANGULAR ANDESITE GRAVEL W/ SOME MEDIUM PLASTICITY CLAY		
46									
48									
50					138	DRY	GRAY		GC
52		GMVE-3 @ 53'	580			FRACTURED ANDESITE FORMATION POSSIBLY SOLID OR TIGHTLY CONSOLIDATED ROCK	GC	STRONG ODOR	
54									
56									
58									
60									

TOTAL BORING DEPTH: 53.5'

PAGE NO: 2 OF 2

ESTIMATED GROUND WATER DEPTH: DRY

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