Well Log 110451

~~WELL~~ BOREHOLE NO. B-1 Page 1 of 3

NOI: 57901

Project: Lyon Co. Section 26	Location: B-1	Elevation	Project No.: 131045
Drilling Co.: WDC	Drilling Equipment: Sonic Core	Date Started: 12/17/06	Date Finished: 12/17/06
Conductor Casing: NA	Casing: NA	Screen: NA	
Filter Pack: NA	Logged By: P. Bassett	Drilling Method: Sonic Core	
	Geophysical Logs: NA	Drilling Fluid: NA	
Annular Seal: NA	Development: NA	Completion Depth: TD = 85'	
		Water Level: None encountered	

Description	Depth (ft)	Drill Rate	Remarks
0-12 SANDY SILT Very fine sand and silt, light brown/tan, dry-moist	0, 2, 4, 6, 8, 10, 12		Slightly compacted moist 0-7' Dryer and looser 7-12'
12-14 SAND Fine-med sand w/v. little silt, Poorly graded, very dry + loose. Yellowish brown/tan	14		Grading from pourous, well sorted (poorly graded) dry sand
14-17 SILTY SAND Fine sand with silt, poorly graded, slightly damp	16		
17-25 CLAYEY SILT Silt with some clay lenses, grayish brown, moist	18, 20, 22, 24		

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NAD-27 GPS center of 1/4 1/4 39.307848°N 119.486894°W.

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BROWN AND CALDWELL

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LOS# 110451

Description	Depth (ft)	Drill Rate	Remarks
	24		
25-31 CLAY - SILTY CLAY Elastic clay w/ some silt, med gray, saturated	26 28 30		to saturated clay, perched water zone ~5' thick in clay layer
31-35 SAND Fine - med sand, no silt, mod-poorly graded	32 34		Sand is wet but may have been caused by water added during drilling/casing
35-39 SILTY SAND Fine sand w/silt, mod graded, med. brown	36 38		
39-45 SANDY GRAVEL W/SILT Gravel upto 1" in predominantly med-coarse sand matrix w/ minor silt. Well graded, fairly dense. Moist but not saturated. Light gray - greenish gray gravel in reddish brown matrix.	40 42 44		
45-59 SILTY SAND Dense silty sand, well graded, mod. firm + cohesive. Med. sized sand grains. Med. brown.	46 48 50 52 54 56		moist - saturated - unsure if natural groundwater or due to casing wash down. Not where gw is expected.

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Description	Depth (ft)	Drill Rate	Remarks
	56		
	58		
59-78 SANDY SILT Silt w/ med-coarse sand and minor small gravel (<5mm). Well graded, dense, firm. Brown - reddish brown	60		moist but not sat
	62		
	64		
	66		
	68		
	70		
	72		
	74		
	76		
78-83 SANDY GRAVEL w/ SILT Grading from small (2mm) to large (2 in) over interval. Well graded. Brown - gray brown with gravel clasts of altered and unaltered volcanic	78		dry - slightly moist
	80		
	82		
83-85 GRAVEL Coarse gravel to rock, very hard drilling. Mostly large gravel + rock >6" w/ minor silty sand.	84		dry
TD = 85 ft.	86		Soil wettest from 35-55', became more dense + less saturated below this.

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