Utah Geological Survey
Lithologic Log

Monitor Well # 0818019M00(2)
WIN=432097

Well ID: SG24B

Well Location: Twin Springs

UTM: x 253474 m, y 4365467 m NAD 83 (zone 12N)

N/S 335 ft, E/W 1744 ft from W4 Corner, Sec 22, T 16 N/S R 18 E/W, SLBM USM

Start Date 10/30/2008 Completion Date 11/3/2008 Driller USGS Central Region Drilling

Drilling Method: Geoprobe from 0 to 105′ Total Depth 105′ (pilot hole)

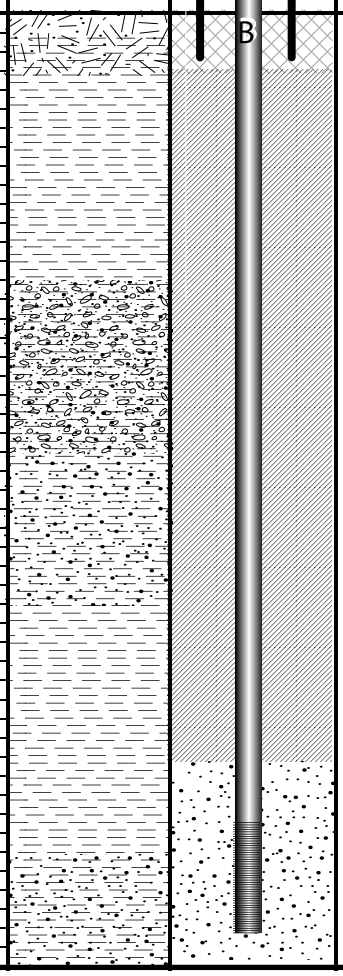
from ____ to ____ Static Water Level 4.02′

from ____ to ____ Water Level Date 11/20/2008

*Lithologic log completed from continuous core. A, B, and C are separate boreholes. Measured From MP, top of riser

Borehole Diameter	1.5″	from 0	to 105′	Casing Type & Diameter	4″ Steel (rectangular)	from +2.20	to 2.5′
	3.25″	from 0	to 48′		2″ Sch 40 PVC	from +1.78	to 43′
		from	to			from	to
Screen Type & Diameter	2″ Sch 40 PVC .010″ slot	from 43	to 48′	Ground Elevation:	4819′		
		from	to	Logged By:	Matt Affolter, UGS		

Geophysical Log ☐ Yes ☒ No Other Logs:

DEPTH	LITHOLOGY	WELL DIAGRAM	DRILLING INFO	LITHOLOGY DESCRIPTION*
				0-1 -- Soil 1-3 -- Soil with tan clay mixture 3-6 -- Tan clay, rare soil zones 6-14 -- Grey clay, fluidized, hard to sample 14-23 -- Tan to grey sand with clay, pea gravel, and large angular chunks of gravel (up to 5 cm) 23-26 -- Medium brown sand and clay 26-31 -- Medium brown silty/sandy clay 31-44 -- Light brown silty clay 44-47 -- Gravelly sand with minor clay 47-50 -- Light tan to greenish silty/sandy clay

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DEPTH	LITHOLOGY	WELL DIAGRAM	DRILLING INFO	LITHOLOGY DESCRIPTION
55				50-67 -- Medium brown silty clay mottled white and green
60				
65				67-68 -- Brown sand with clay 68-72 -- Medium brown silty clay, mottled light tan and red
70				72-75 -- Homogenous tan clay
75				75-80 -- Gravelly (up to 1 cm) sand with local clay
80				80-91 -- Medium brown silty clay, mottled tan, local dark grey and brown spots
85				
90				91-92 -- Light tan (with greenish tinge) fine sand and clay, spongy, mottled dark brown 92-99 -- Like above, bedded habit
95				
100				99-105 -- Tight light tan to white calcareous clay
105				
110				
115				
120				
125				
130				
135				
140				
145				