

State Four Lakes Unit #1

FORMATION	FEET	DEPTH	REMARKS
From top rotary drive bushing to derrick floor	0	1.22	
From top derrick floor to 9-5/8" OD casing.	1.22	14.40	
Sand and shale	14.40	210	
Shale and red bed	210	310	
Red shale	310	370	1/2° @ 370.
			<u>Set 13-3/8" OD casing @ 370 w/400 sax.</u> <u>Circ. out 20 sax.</u>
			Tested 13-3/8" OD casing w/1000# 30 min. no break before and after drilling plug.
Red bed and shale	370	1845	1/4° @ 1590.
Red bed and anhydrite	1845	2173	1° @ 2173.
Anhydrite	2173	2268	
Anhydrite, salt and red bed	2268	2445	
Salt, red shale and anhydrite	2445	2603	
Salt and anhydrite	2603	3068	
Anhydrite	3068	3180	
Anhydrite and gyp	3180	3320	3/4° @ 331.
Anhydrite	3320	3540	
Anhydrite and gyp	3540	3722	1/2° @ 3720.
Anhydrite	3722	3786	
Anhydrite and gyp	3786	3940	
Anhydrite	3940	3995	
Anhydrite and gyp	3995	4061	
Lime	4061	4070	1° @ 4070.
Sand	4070	4086	
Dolomite	4086	4124	
Lime	4124	4258	St. @ 4240.
Halliburton ran calipers	369	4258	
			<u>Set 9-5/8" OD casing @ 4258 w/1960 sax</u> <u>6% sal. 491 sax wellite and 150 sax</u> <u>neat, no cement circ.</u>
Halliburton ran Temp. Survey	50	4116	Approx. top of cement 590.
			Tested 9-5/8" OD casing w/1000# 30 min. no break before or after drilling plug.
Lime	4258	4825	1/4° @ 4350, 1/2° @ 4575, 1/4° @ 4666. 478-4824 by samples, trace to 10% pinpoint and inter crystalline porosity, trace to 10% stain.
Drill Stem Test	4757	4825	an Andres, 2 packers, 2 hrs. 5/8" BUC and 1" SC, No WC, sec. 270' slightly gas out mid, 420' slightly gas out sulphur water w/slight oil stain, BFP 0-300#, 15 min. S-I BUC 1-50# MH 2400-2350#.
Lime	4825	5486	1° @ 5020, 1/2° @ 5185.
Lime, shale and red bed	5486	5520	
Lime	5520	5620	
Lime and salt streaks	5620	5708	
Lime	5708	5850	
Lime and salt streaks	5850	5897	1/2° @ 5890.
Lime	5897	7147	1/4° @ 6150, 1-1/2° @ 6600, 1° @ 6920, 3/4° @ 7200, 3/4° @ 7540, 1° @ 7640.
Shale	7647	7754	