

Operator License #: 35122	API #: 15-205-28436-00-00
Operator: Lakeshore Operating, LLC	Lease: Renn
Address: 23 ½ E Madison Ste A Iola, KS 66749	Well #: LO-20
Phone: (620) 432-1192	Spud Date: 8/10/18 Completed: 8/14/18
Contractor License: 34036	Location: SE-NW-NW-NE of 21-30S-16E
T.D. : 922 T.D. of Pipe: 919	631 Feet From South
Surface Pipe Size: 7" Depth: 33' Cement: 9SKS	2145 Feet From East
Kind of Well: Oil	County: Wilson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
15	Soil/Clay	0	15	2	Black Shale	437	439
8	Gravel	15	23	3	Lime	439	442
26	Sandstone	23	49	109	Shale	442	551
2	Coal	49	51	25	Lime	551	576
4	Shale	51	55	2	Shale	576	578
2	Lime	55	57	3	Lime	578	581
51	Shale	57	108	2	Black Shale	581	583
15	Lime	108	123	24	Sandy Shale	583	607
3	Shale	123	126	22	Oil Sand	607	629
2	Lime	126	128	12	Shale	629	641
15	Shale	128	143	23	Lime	641	664
52	Lime	143	195	8	Shale/Black Shale	664	672
2	Coal	195	197	11	Lime	672	683
3	Lime	197	200	12	Shale	683	705
44	Shale	200	244	3	Lime	705	708
2	Lime	244	246	34	Shale	708	742
21	Shale	246	267	1	Lime	742	743
18	Lime	267	285	81	Shale	743	824
13	Shale	285	298	3	Oil Sand Lt Bleed	824	827
19	Lime	298	317	18	Oil Sand good bld	827	845
39	Shale	317	356	1	Dark Sand	845	846
3	Lime	356	359	34	Shale	846	880
10	Shale	359	369	9	Hard Sand	880	889
2	Lime	369	371	33	Shale	889	922
17	Shale	371	388				
3	Lime	388	391		Pipe T.D.		919
33	Shale w/lime strks	391	424		T.D.		922
13	Lime	424	437				