

Operator License #: 35122	API #: 15-205-28413-00-00
Operator: Lakeshore Operating, LLC	Lease: Dickens
Address: 23 ½ E Madison Ste A Iola, KS 66749	Well #: LO-4
Phone: (620) 432-1192	Spud Date: 2/16/18 Completed: 2/21/18
Contractor License: 34036	Location: SW-SW-NE-NE of 28-30S-16E
T.D. : 882 T.D. of Pipe: 873	4280 Feet From South
Surface Pipe Size: 7" Depth: 32'	1215 Feet From East
Kind of Well: Oil	County: Wilson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
15	Soil/Clay	0	15	4	Black Shale	630	634
6	Gravel	15	21	57	Shale	634	691
37	Shale	21	58	2	Lime	691	693
5	Lime	58	63	103	Shale	693	796
23	Shale	63	86	8	Oil Sand	796	804
48	Lime	86	134	1	Dark Sand	804	805
2	Coal	134	136	1	Coal	805	806
6	Lime	136	142	29	Shale	806	835
66	Shale	142	208	6	Hard Sand/Bleed	835	841
24	Lime	208	232	41	Shale	841	882
13	Shale	232	245				
20	Lime	245	265				
39	Shale	265	304				
3	Lime	304	307				
62	Shale	307	369				
13	Lime	369	382				
2	Shale	382	384				
2	Lime	384	386		T.D.		882
118	Shale	386	504		T.D. of pipe		873
26	Lime	504	530				
2	Black Shale	530	532				
3	Lime	532	535				
51	Shale	535	586				
25	Lime	586	611				
4	Shale	611	615				
2	Black Shale	615	617				
3	Shale	617	620				
10	Lime	620	630				

