

Operator License #: 35122	API #: 15-205-28454-00-00
Operator: Lakeshore Operating, LLC	Lease: Renn
Address: 23 ½ E Madison Ste A Iola, KS 66749	Well #: LO-19
Phone: (620) 432-1192	Spud Date: 9/21/18 Completed: 9/24/18
Contractor License: 34036	Location: SE-NW-NE-NE of 21-30S-16E
T.D. : 982 T.D. of Pipe: 976	398 Feet From North
Surface Pipe Size: 7" Depth: 33'	978 Feet From East
Kind of Well: Oil	County: Wilson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
15	Soil/Clay/Gravel	0	15	3	Shale	659	662
15	Sandstone	15	30	10	Lime	662	672
1	Coal	30	31	12	Shale/Black Shale	672	684
9	Sandy Shale	31	40	2	Lime	684	686
1	Coal	40	41	10	Shale	686	696
59	Shale	41	100	4	Lime	696	700
18	Lime	100	118	33	Shale	700	733
17	Shale	118	135	2	Lime	733	735
53	Lime	135	188	87	Shale	735	822
3	Coal	188	191	5	Oil Sand-bleed	822	827
3	Lime	191	194	16	Sandy Shale	827	843
62	Shale	194	256	34	Shale	843	877
16	Lime	256	272	7	Hard Oil Sand	877	884
71	Shale w/ lime strks	272	343	61	Shale	884	945
5	Lime	343	348	6	Sandy Shale	945	951
12	Shale	348	360	31	Dry Sand	951	982
2	Lime	360	362				
17	Shale	362	379				
24	Lime	379	403				
8	Shale	403	411				
19	Lime	411	430				
113	Shale	430	543				
29	Lime	543	572				
28	Shale	572	600				
29	Dry Sand	600	629				
25	Lime	629	654		Pipe T.D.		982
3	Shale	654	657		T.D.		976
2	Black Shale	657	659				

