

Operator License #: 32079	API #: 15-207-28557-00-00
Operator: John E. Leis	Lease: Light
Address: 1188 Nighthawk Yates Center, KS 66783	Well #: 12
Phone: (620) 625-3676	Spud Date: 11-26-13 Completed: 11-27-13
Contractor License: 34036	Location: NW-SW-NW-NW of 22-24-16E
T.D. : 1042 T.D. of Pipe: 1040 Size: 2.875"	825 Feet From North
Surface Pipe Size: 7" Depth: 42'	165 Feet From West
Kind of Well: Oil	County: Woodson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
12	Soil/Clay	0	12	10	Shale	900	910
6	Gravel/Sand	12	18	5	Lime	910	915
78	Shale	18	96	3	Shale	915	918
27	Lime	96	123	2	Black Shale	918	920
17	Shale	123	140	10	Shale	920	930
24	Lime	140	164	5	Oil Sand	930	935
27	Shale	164	191	36	Shale	935	971
187	Lime	191	378	1	Lime	971	972
31	Shale	378	409	2	Shale	972	974
5	Lime	409	414	2	Lime	974	976
32	Shale	414	446	6	Oil Sand	976	982
75	Lime	446	521	60	Shale	982	1042
5	Shale/Black Shale	521	526				
24	Lime	526	550				
3	Black Shale	550	553				
23	Lime	553	576				
171	Shale	576	743				
4	Lime	743	747				
21	Shale	747	768				
10	Lime	768	778				
61	Shale	778	839				
3	Lime	839	842				
6	Shale	842	848				
12	Broken Lime	848	860				
11	Shale	860	871				
4	Lime	871	875				
2	Black Shale	875	877		T.D.		1042
13	Shale	877	890		T.D. of Pipe		1040
10	Lime	890	900				