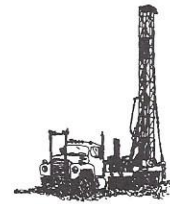


LEIS OIL SERVICES



1410 150th Rd. • Yates Center, Kansas 66783 • (620) 212-0752

Operator License #: 9267	API #: 15-003-26026-00-00
Operator: JRC Oil Co, Inc.	Lease: Kretchmer
Address: PO Box 426 Garnett KS 66032	Well #: KL-46
Phone: 785-448-8112	Spud Date: 10-09-13 Completed: 10-10-13
Contractor License: 32079	Location: S2-N2-NW-NE of 33-20-21E
T.D. : 778 T.D. of Pipe: 776 Size: 2.875"	4785 Feet From South
Surface Pipe Size: 7" Depth: 21'	1980 Feet From East
Kind of Well: Oil	County: Anderson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
45	Soil/Clay/Shale	0	45				
26	Lime	45	71				
50	Shale	71	121				
6	Lime	121	127				
24	Shale	127	151				
10	Lime	151	161				
7	Shale	161	168				
40	Lime	168	208				
7	Shale/Black Shale	208	215				
24	Lime	215	239				
6	Shale	239	245				
14	Lime	245	259				
163	Shale	259	422				
3	Lime	422	425				
7	Shale	425	432				
16	Lime	432	448				
54	Shale	448	502				
10	Lime	502	512				
14	Shale	512	526				
4	Lime	526	530				
24	Shale	530	554				
5	Lime	554	559				
24	Shale	559	583		T.D.		778
3	Lime	583	586		T.D. of Pipe		776
35	Shale	586	621				
33	Oil Sand	621	654				
124	Shale	654	778				