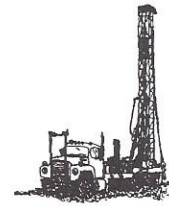


# LEIS OIL SERVICES

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



<b>Operator License #:</b> 9267	<b>API #:</b> 15-003-26002-00-00
<b>Operator:</b> JRC Oil Co, Inc.	<b>Lease:</b> Cleveland
<b>Address:</b> PO Box 426 Garnett KS 66032	<b>Well #:</b> CB-48
<b>Phone:</b> 785-448-8112	<b>Spud Date:</b> 10-04-13 <b>Completed:</b> 10-07-13
<b>Contractor License:</b> 32079	<b>Location:</b> NE-NW-NE-NW of 33-20-21E
<b>T.D.:</b> 721 <b>T.D. of Pipe:</b> 719 <b>Size:</b> 2.875"	5115 <b>Feet From</b> South
<b>Surface Pipe Size:</b> 7" <b>Depth:</b> 21'	3510 <b>Feet From</b> East
<b>Kind of Well:</b> Oil	<b>County:</b> Anderson

## LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
40	Soil/Clay/Shale	0	40	15	Oil Sand	607	622
27	Lime	40	67	99	Shale	622	721
21	Shale	67	88				
4	Lime	88	92				
20	Shale	92	112				
2	Lime	112	114				
30	Shale	114	144				
12	Lime	144	156				
4	Shale	156	160				
32	Lime	160	192				
12	Shale/Black Shale	192	204				
50	Lime	204	254				
162	Shale	254	416				
6	Lime	416	422				
5	Shale	422	427				
5	Lime	427	432				
4	Shale	432	436				
11	Lime	436	447				
45	Shale	447	492				
10	Lime	492	502				
20	Shale	502	522				
8	Lime	522	530				
21	Shale	530	551		<b>T.D.</b>		<b>721</b>
2	Lime	551	553		<b>T.D. of Pipe</b>		<b>717</b>
24	Shale	553	577				
2	Lime	577	579				
2	Shale	579	581				
2	Lime	581	583				
24	Shale	583	607				