

Operator License # 32834
 Operator JTC Oil, Inc.
 Address 35790 Plum Creek Road
 City Osawatomie, KS 66064
 Contractor JTC Oil, Inc.
 Contractor License # 32834
 T.D. 740'
 T.D. of pipe 712'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30414-00-00
 Lease Name Cooper
 Well # P-1
 Spud Date 10/16/2014
 Cement Date 11/3/2014
 Location Sec 9 T 17 R 22
 165 feet from S line
 165 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
6	dirt	0	6	
5	lime	6	11	
93	shale	11	104	
18	lime	104	122	
14	shale	122	136	
6	lime	136	142	
12	shale	142	154	
6	lime	154	160	
41	shale	160	201	
12	lime	201	213	
12	shale	213	225	
27	lime	225	252	
9	shale	252	261	
22	lime	261	283	
3	black shale	283	286	
14	lime	286	300	
136	shale	300	436	
22	sandy mix	436	458	
4	sand	458	462	ok
10	lime	462	472	
5	mix	472	477	
48	shale	477	525	
5	lime	525	530	
26	shale mix	530	556	
5	lime	556	561	
5	shale	561	566	
10	lime mix	566	576	
41	shale	576	617	
3	sand	617	620	little
10	sand	620	630	620-633 ok
20	Core 1	630	650	
20	sand	630	650	633-651 good

16	Core 2	650	666	
10	sand	650	660	little
1	washed	660	661	
20	Core 3	666	686	
20	sand	661	681	good
59	shale	681	740	