

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. 760'
 T.D. of pipe 740'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30426-00-00
 Lease Name Cooper
 Well # P-27
 Spud Date 10/23/2014
 Cement Date 11/3/2014
 Location Sec 9 T 17 R 22
 1155 feet from S line
 825 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
1	dirt	0	1	
11	lime	1	12	
92	shale	12	104	
18	lime	104	122	
18	shale	122	140	
5	lime	140	145	
7	shale	145	152	
6	lime	152	158	
39	shale	158	197	
15	lime	197	212	
10	shale	212	222	
27	lime	222	249	
10	shale	249	259	
17	lime	259	276	
5	shale	276	281	
12	lime	281	293	
167	shale	293	460	
9	lime	460	469	
4	mix	469	473	
43	shale	473	516	
7	lime	516	523	
12	shale	523	535	
3	sandy shale	535	538	little oil
4	shale	538	542	
14	lime	542	556	
4	shale	556	560	
12	lime mix	560	572	
44	shale	572	616	
2	sand	616	618	little oil
20	Core 1	618	638	
2	little	618	620	
8	ok	620	628	
4	washed	628	632	

6	ok	632	638	
20	Core 2	638	658	
8	mostly shale	638	646	some oil
12	good	646	658	
20	Core 3	658	678	
17	good	658	675	
5	v-good	675	680	
10	good bleed	680	690	
3	little	690	693	
17	sandy shale	693	710	
2	coal	710	712	
48	shale	712	760	