

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 722'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30417-00-00
 Lease Name Cooper
 Well # P-11
 Spud Date 10/28/2014
 Cement Date 11/12/2014
 Location Sec 9 T 17 R 22
 495 feet from S line
 825 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
10	dirt/clay	0	10	
72	shale	10	82	
19	lime	82	101	
14	shale	101	115	
5	lime	115	120	
10	shale	120	130	
3	lime	130	133	
47	shale	133	180	
12	lime	180	192	
10	shale	192	202	
28	lime	202	230	
7	shale	230	237	
22	lime	237	259	
4	black shale	259	263	
22	lime	263	285	
127	shale	285	412	
23	sand mix	412	435	tiny oil
4	limey sand	435	439	good
14	lime	439	453	
49	shale	453	502	
8	lime	502	510	
8	shale	510	518	
11	sand mix	518	529	ok
6	shale	529	535	
8	lime	535	543	
25	shale	543	568	
3	lime mix	568	571	
25	shale	571	596	
2	sand	596	598	little oil
8	little	598	606	Core 1 598 - 618
14	ok	606	620	
18	good	620	638	Core 2 618 - 636
3	ok	638	641	Core 3 636 - 656
99	shale	641	740	