

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 720'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30433-00-00
 Lease Name Cooper
 Well # I-8
 Spud Date 10/14/2014
 Cement Date 11/3/2014
 Location Sec 9 T 17 R 22
 660 feet from S line
 330 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
13	clay	2	15	
87	shale	15	102	
18	lime	102	120	
10	shale	120	130	
8	lime	130	138	
12	shale	138	150	
3	lime	150	153	
49	shale	153	202	
13	lime	202	215	
9	shale	215	224	
27	lime	224	251	
8	black shale	251	259	
21	lime	259	280	
4	coal	280	284	
11	lime	284	295	
135	shale	295	430	
4	red bed	430	434	
15	lime/shale	434	449	
8	lime	449	457	
7	sand	457	464	
10	lime	464	474	
45	shale	474	519	
9	lime	519	528	
13	shale	528	541	
3	lime	541	544	
17	black shale	544	561	
3	lime	561	564	
17	shale	564	581	
4	lime	581	585	
38	shale	585	623	
3	oil sand	623	626	ok
3	oil sand	626	629	ok
3	oil sand	629	632	ok