

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. 692'  
 T.D. of pipe 720'  
 Surface pipe size 7"  
 Surface pipe depth 20'  
 Well Type Injection

API # 15-059-26902-00-00  
 Lease Name Chase  
 Well # I-5  
 Spud Date 2/6/2015  
 Cement Date 2/9/2015  
 Location Sec 33 T 17 R 21  
 330 feet from N line  
 1650 feet from W line  
 County Franklin

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
13	clay	2	15	
50	shale	15	65	
18	lime	65	83	
27	shale	83	110	
5	lime	110	115	
38	shale	115	153	
17	lime	153	170	
8	shale	170	178	
28	lime	178	206	
7	coal	206	213	
22	lime	213	235	
5	coal	235	240	
11	lime	240	251	
161	shale	251	412	
6	lime	412	418	
45	shale	418	463	
8	lime	463	471	
11	shale	471	482	
3	lime	482	485	
13	black shale	485	498	
15	shale	498	513	
2	lime	513	515	
2	lime oil	515	517	ok
1	lime oil	517	518	good
2	lime oil	518	520	v-good
2	lime oil	520	522	ok
21	shale	522	543	
49	black shale	543	592	
2	sand	592	594	
2	sand	594	596	
2	sandy shale	596	598	
45	shale	598	643	
2	oil sand	643	645	ok

2	oil sand	645	647	good
2	oil sand	647	649	ok-mix shale
45	black shale	649	694	
26	shale	694	720	