

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. 720'  
 T.D. of pipe 695'  
 Surface pipe size 7"  
 Surface pipe depth 20  
 Well Type Injection

API # 15-059-26879-00-00  
 Lease Name Chase  
 Well # I-4  
 Spud Date 1/22/2015  
 Cement Date 1/29/2015  
 Location Sec 33 T 17 R 21  
 330 feet from N line  
 1320 feet from W line  
 County Franklin

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
16	clay	2	18	
56	shale	18	74	
18	lime	74	92	
29	shale	92	121	
5	lime	121	126	
36	shale	126	162	
17	lime	162	179	
10	shale	179	189	
27	lime	189	216	
8	coal	216	224	
22	lime	224	246	
5	coal	246	251	
10	lime	251	261	
137	shale	261	398	
4	red bed	398	402	
13	shale	402	415	
14	lime	415	429	
45	shale	429	474	
9	lime	474	483	
9	shale	483	492	
3	lime	492	495	
12	black shale	495	507	
3	lime	507	510	
16	shale	510	526	
2	lime oil	526	528	ok
3	lime oil	528	531	ok
1	lime	531	532	
26	shale	532	558	
50	black shale	558	608	
2	sandy	608	610	
2	sandy	610	612	little oil
2	sandy shale	612	614	
38	shale	614	652	

2	oil sand	652	654	ok
2	oil sand	654	656	good
2	oil sand	656	658	good
2	oil sand	658	660	ok
2	sand shale	660	662	broken
58	black shale	662	720	