

Operator License #	32834	API #	15-059-26882-00-00		
Operator	JTC Oil, Inc.	Lease Name	Chase		
Address	35790 Plum Creek Road	Well #	I-11		
City	Osawatomie, KS 66064				
Contractor	JTC Oil, Inc.	Spud Date	1/27/2015		
Contractor License #	32834	Cement Date	1/29/2015		
T.D.	740'	Location	Sec 33	T 17	R 21
T.D. of pipe	724'		660 feet from	N	line
Surface pipe size	7"		990 feet from	W	line
Surface pipe depth	20'	County	Franklin		
Well Type	Injection				

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
14	clay	2	16	
71	shale	16	87	
18	lime	87	105	
28	shale	105	133	
5	lime	133	138	
37	shale	138	175	
17	lime	175	192	
9	shale	192	201	
27	lime	201	228	
8	coal	228	236	
22	lime	236	258	
5	coal	258	263	
11	lime	263	274	
137	shale	274	411	
4	red bed	411	415	
13	shale	415	428	
13	lime	428	441	
46	shale	441	487	
5	coal	487	492	
6	lime	492	498	
8	shale	498	506	
3	lime	506	509	
12	black shale	509	521	
2	lime	521	523	
14	shale	523	537	
1	lime	537	538	
3	lime oil	538	541	good
3	lime oil	541	544	good
1	lime	544	545	
25	shale	545	570	
48	black shale	570	618	
2	sandy	618	620	ok
3	sandy	620	623	little oil

2	sandy shale	623	625	
43	shale	625	668	
2	oil sand	668	670	v-good
2	oil sand	670	672	v-good
2	oil sand	672	674	v-good
2	sand/shale	674	676	ok
34	black shale	676	710	
30	shale	710	740	