

Operator License #	32834	API #	15-059-26881-00-00
Operator	JTC Oil, Inc.	Lease Name	Chase
Address	35790 Plum Creek Road	Well #	I-10
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	725'		660 feet from N line
Surface pipe size	7"		660 feet from W line
Surface pipe depth	20'	County	Franklin
Well Type	Injection		

Driller's Log

Thickness	Strata	From	To	
2	top soil	0	2	
8	clay	2	10	
94	shale	10	104	
17	lime	104	121	
29	shale	121	150	
5	lime	150	155	
36	shale	155	191	
17	lime	191	208	
10	shale	208	218	
27	lime	218	245	
6	coal	245	251	
22	lime	251	273	
5	coal	273	278	
12	lime	278	290	
136	shale	290	426	
4	red bed	426	430	
13	shale	430	443	
11	lime	443	454	
52	shale	454	506	
5	lime	506	511	
10	shale	511	521	
2	lime	521	523	
12	black shale	523	535	
2	lime	535	537	
14	shale	537	551	
10	lime oil	551	561	
29	shale	561	590	
43	black shale	590	633	
2	sandy	633	635	
3	sandy shale	635	638	
45	shale	638	683	
2	oil sand	683	685	v-good
3	oil sand	685	688	v-good
3	oil sand	688	691	ok

49

black shale

691

740