

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 694'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-059-26886-00-00
 Lease Name Chase
 Well # I-18
 Spud Date 2/3/2015
 Cement Date 2/5/2015
 Location Sec 33 T 17 R 21
 990 feet from N line
 1320 feet from W line
 County Franklin

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
12	clay	2	14	
59	shale	14	73	
17	lime	73	90	
27	shale	90	117	
4	lime	117	121	
39	shale	121	160	
17	lime	160	177	
10	shale	177	187	
26	lime	187	213	
10	coal	213	223	
21	lime	223	244	
4	coal	244	248	
12	lime	248	260	
146	shale	260	406	
22	lime	406	428	
50	shale	428	478	
3	lime	478	481	
13	shale	481	494	
3	lime	494	497	
13	black shale	497	510	
3	lime	510	513	
16	shale	513	529	
2	lime oil	529	531	ok
2	lime oil	531	533	good
2	lime oil	533	535	good
8	shale	535	543	
2	oil sand	543	545	ok
2	oil sand	545	547	ok
21	shale	547	568	
42	black shale	568	610	
2	sandy	610	612	
2	sandy	612	614	
2	sandy shale	614	616	

43	shale	616	659	
3	oil sand	659	662	ok
3	sandy	662	665	
2	sandy shale	665	667	
53	black shale	667	720	