

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 691'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-059-26883-00-00
 Lease Name Chase
 Well # I-12
 Spud Date 1/26/2015
 Cement Date 2/3/2015
 Location Sec 33 T 17 R 21
 660 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	
18	lime	73	91	
27	shale	91	118	
7	lime	118	125	
37	shale	125	162	
16	lime	162	178	
10	shale	178	188	
26	lime	188	214	
9	coal	214	223	
38	lime	223	261	
4	coal	261	265	
10	lime	265	275	
133	shale	275	408	
20	lime	408	428	
46	shale	428	474	
8	lime	474	482	
10	shale	482	492	
3	lime	492	495	
12	black shale	495	507	
3	lime	507	510	
15	shale	510	525	
2	lime oil	525	527	ok
3	lime oil	527	530	v-good
3	lime oil	530	533	good
30	shale	533	563	
42	black shale	563	605	
6	sandy	605	611	
43	shale	611	654	
2	oil sand	654	656	ok
2	oil sand	656	658	good
3	oil sand	658	661	good
2	sandy	661	663	broken

57

black shale

663

720