

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. 740'
 T.D. of pipe 728'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30923-00-00
 Lease Name Cooper
 Well # I-25
 Spud Date 3/10/2015
 Cement Date 3/12/2015
 Location Sec 9 T 17 S R 22 E
 1320 feet from S line
 1320 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
5	clay	2	7	
14	lime	7	21	
95	shale	21	116	
17	lime	116	133	
29	shale	133	162	
6	lime	162	168	
39	shale	168	207	
17	lime	207	224	
9	shale	224	233	
27	lime	233	260	
8	coal	260	268	
20	lime	268	288	
5	coal	288	293	
12	lime	293	305	
139	shale	305	444	
27	lime shale	444	471	
12	lime	471	483	
47	shale	483	530	
7	lime	530	537	
16	shale	537	553	
3	lime	553	556	
15	black shale	556	571	
5	lime	571	576	
17	shale	576	593	
3	lime	593	596	
33	shale	596	629	
3	oil sand	629	632	v-good
3	oil sand	632	635	good
3	oil sand	635	638	good
3	oil sand	638	641	good
3	oil sand	641	644	good
3	oil sand	644	647	good
3	oil sand	647	650	good

3	oil sand	650	653	ok
3	oil sand	653	656	ok
2	oil sand	656	658	v-good
3	oil sand	658	661	good
3	oil sand	661	664	good
3	oil sand	664	667	ok
3	oil sand	667	670	v-good
3	oil sand	670	673	v-good
3	oil sand	673	676	v-good
2	oil sand	676	678	v-good
3	oil sand	678	681	v-good
3	oil sand	681	684	good
3	oil sand	684	687	ok
3	oil sand	687	690	ok
3	oil sand	690	693	good
3	oil sand	693	696	good
2	oil sand	696	698	good
2	oil sand	698	700	good
30	black shale	700	730	
10	shale	730	740	