

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 730
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30437-00-00
 Lease Name Cooper
 Well # I-15
 Spud Date 7/17/2014
 Cement Date 7/21/2014
 Location Sec 9 T 17 R 22
 990 feet from S line
 330 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To
5	dirt	0	5
7	lime	5	12
92	shale	12	104
19	lime	104	123
15	shale	123	138
3	lime	138	141
10	shale	141	151
2	lime	151	153
47	shale	153	200
14	lime	200	214
10	shale	214	224
28	lime	224	252
3	shale	252	255
25	lime	255	280
4	shale	280	284
11	lime	284	295
136	shale	295	431
6	red shale	431	437
19	sand mix	437	456
6	mix	456	462
8	lime	462	470
3	mix	470	473
48	shale	473	521
4	lime	521	525
5	shale mix	525	530
13	shale	530	543
5	lime	543	548
13	shale	548	561
7	lime	561	568
14	shale mix	568	582
8	lime mix	582	590
24	shale	590	614
18	laminated sand	614	632
27	good bleed	632	659

ok

6	v-good bleed	659	665	
13	ok	665	678	
18	laminated	678	696	ok
44	shale	696	740	