

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. 360'
 T.D. of pipe 351'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30964-00-00
 Lease Name Terbrock
 Well # I-12
 Spud Date 3/16/2015
 Cement Date 3/23/2015
 Location Sec 27 T 17 R 22 E
 1650 feet from S line
 660 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
5	clay	2	7	
2	lime	7	9	
36	shale	9	45	
13	lime	45	58	
10	shale	58	68	
27	lime	68	95	
7	coal	95	102	
21	lime	102	123	
4	coal	123	127	
14	lime	127	141	
137	shale	141	278	
3	red bed	278	281	
2	shale	281	283	
15	lime shale	283	298	
3	oil sand	298	301	ok
3	oil sand	301	304	good
4	oil sand	304	308	v-good
2	lime	308	310	
3	shale	310	313	
6	lime	313	319	
41	shale	319	360	