

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. 560
 T.D. of pipe 534
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30459-00-00
 Lease Name Hahn
 Well # BSI-HN4
 Spud Date 7/7/2014
 Cement Date 7/24/2014
 Location Sec 23 T 18 R 21
 1397 feet from N line
 2387 feet from W line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
6	clay	2	8	
6	shale	8	14	
4	lime	14	18	
6	shale	18	24	
3	lime	24	27	
42	shale	27	69	
15	lime	69	84	
9	shale	84	93	
30	lime	93	123	
8	black shale	123	131	
22	lime	131	153	
5	coal	153	158	
12	lime	158	170	
165	shale	170	335	
13	lime	335	348	
7	sand	348	355	
2	lime	355	357	
40	shale	357	397	
9	lime	397	406	
10	shale	406	416	
3	lime	416	419	
15	black shale	419	434	
14	lime	434	448	
12	shale	448	460	
2	lime	460	462	
4	coal	462	466	
4	lime	466	470	
4	shale	470	474	
2	oil sand	474	476	good
2	oil sand	476	478	v-good
3	oil sand	478	481	v-good
3	oil sand	481	484	good
54	shale	484	538	

2	sandy/shale	538	540
2	sand/shale	540	542
2	sand	542	544
2	sand	544	546
14	black shale	546	560