

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 526
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30525-00-00
 Lease Name Hahn
 Well # BSI-HN5
 Spud Date 7/22/2014
 Cement Date 7/24/2014
 Location Sec 23 T 18 R 21
 1397 feet from N line
 2717 feet from W line
 County Miami

Driller's Log

Thickness	Strata	From	To	
3	soil	0	3	
10	lime	3	13	
9	shale	13	22	
3	lime	22	25	
9	shale	25	34	
3	lime	34	37	
42	shale	37	79	
14	lime	79	93	
10	shale	93	103	
30	lime	103	133	
8	black shale	133	141	
20	lime	141	161	
4	coal	161	165	
14	lime	165	179	
147	shale	179	326	
20	lime/shale	326	346	
14	lime	346	360	
2	shale	360	362	
11	sand	362	373	
32	shale	373	405	
9	lime	405	414	
10	shale	414	424	
3	lime	424	427	
14	black shale	427	441	
14	lime	441	455	
11	shale	455	466	
2	lime	466	468	
4	coal	468	472	
4	lime	472	476	
8	shale	476	484	
2	oil sand	484	486	ok
2	oil sand	486	488	good
2	oil sand	488	490	good
2	oil sand	490	492	ok

2	shale/sand	492	494	broken
56	shale	494	550	
6	sandy	550	556	
4	black shale	556	560	