

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 536
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30493-00-00
 Lease Name Hahn
 Well # BSP-HN10
 Spud Date 7/15/2014
 Cement Date 7/24/2014
 Location Sec 23 T 18 R 21
 1485 feet from N line
 2145 feet from W line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
12	clay	2	14	
12	shale	14	26	
3	lime	26	29	
43	shale	29	72	
14	lime	72	86	
10	shale	86	96	
29	lime	96	125	
8	black shale	125	133	
21	lime	133	154	
6	coal	154	160	
10	lime	160	170	
145	shale	170	315	
25	lime/shale	315	340	
14	lime	340	354	
4	shale	354	358	
11	sand	358	369	little ok
30	shale	369	399	
8	lime	399	407	
9	shale	407	416	
4	lime	416	420	
13	black shale	420	433	
11	lime	433	444	
16	shale	444	460	
3	lime	460	463	
2	coal	463	465	
5	lime	465	470	
6	shale	470	476	
2	oil sand	476	478	good
2	oil sand	478	480	good
2	oil sand	480	482	v-good
2	oil sand	482	484	v-good
1	oil sand	484	485	broken
57	shale	485	542	

6	sandy shale	542	548
12	black shale	548	560