

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. 600
 T.D. of pipe 576
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30464-00-00
 Lease Name Hahn
 Well # BSP-HN7
 Spud Date 7/1/2014
 Cement Date 7/16/2014
 Location Sec 23 T 18 R 21
 1485 feet from N line
 1815 feet from W line
 County Miami

Driller's Log

Thickness	Strata	From	To
5	soil	0	5
3	lime	5	8
21	shale	8	29
5	lime	29	34
4	red bed	34	38
38	shale	38	76
15	lime	76	91
10	shale	91	101
30	lime	101	131
7	black shale	131	138
21	lime	138	159
5	coal	159	164
12	lime	164	176
142	shale	176	318
22	lime/shale	318	340
14	lime	340	354
4	sand/shale	354	358
3	sand	358	361
3	sand	361	364
2	sand	364	366
37	shale	366	403
8	lime	403	411
10	shale	411	421
3	lime	421	424
14	black shale	424	438
13	lime	438	451
10	shale	451	461
4	lime	461	465
4	coal	465	469
4	lime	469	473
7	shale	473	480
2	oil sand	480	482
2	oil sand	482	484
2	oil sand	484	486

2	oil sand	486	488
2	oil sand	488	490
2	sand/shale	490	492
52	shale	492	544
2	oil sand	544	546
2	oil sand	546	548
2	oil sand	548	550
2	sandy/shale	550	552
2	sandy/shale	552	554
16	black shale	554	570
30	shale	570	600