

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 Production

API # 15-121-30465-00-00
 Lease Name Hahn
 Well # BSP-HN8
 Spud Date 11/25/2014
 Cement Date 12/2/2014
 Location Sec 23 T 18 R 21
 1815 feet from N line
 1815 feet from W line
 County Miami

Driller's Log

Thickness	Strata	From	To
2	soil	0	2
6	clay	2	8
4	lime	8	12
10	shale	12	22
5	lime	22	27
43	shale	27	70
14	lime	70	84
10	shale	84	94
28	lime	94	122
8	coal	122	130
21	lime	130	151
5	coal	151	156
11	lime	156	167
146	shale	167	313
18	lime shale	313	331
15	lime	331	346
3	shale	346	349
4	sand	349	353
6	sand	353	359
31	shale	359	390
6	coal	390	396
14	lime	396	410
4	shale	410	414
3	lime	414	417
14	black shale	417	431
14	lime	431	445
15	shale	445	460
3	lime	460	463
2	coal	463	465
4	lime	465	469
7	shale	469	476
1	oil sand	476	477
2	oil sand	477	479
2	oil sand	479	481

very light oil

2	oil sand	481	483
2	oil sand	483	485
2	oil sand	485	487
52	shale	487	539
8	sandy	539	547
13	shale	547	560