

Operator License # 32834
 Operator JTC Oil, Inc.
 Address PO Box 24386
 City Stanley, KS 66283
 Contractor JTC Oil, Inc.
 Contractor License # 32834
 T.D. 620
 T.D. of pipe 590
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Injection

API # 15-121-30278-00-00
 Lease Name Wilson A
 Well # I-13

Spud Date 4/24/2014
 Cement Date 5/12/2014
 Location Sec 4 T 18 R 22
 990 feet from N line
 990 feet from E line
 County

Driller's Log

Thickness	Strata	From	To
2	soil	0	2
29	clay	2	31
13	lime	31	44
11	shale	44	55
28	lime	55	83
7	black shale	83	90
20	lime	90	110
5	coal	110	115
13	lime	115	128
167	shale	128	295
13	lime	295	308
49	shale	308	357
6	lime	357	363
13	shale	363	376
3	lime	376	379
18	black shale	379	397
5	lime	397	402
22	shale	402	424
4	lime	424	428
8	black shale	428	436
7	lime	436	443
42	shale	443	485
26	black shale	485	511
4	sandy	511	515
27	shale	515	542
1	lime	542	543
10	shale	543	553
5	oil sand	553	558
5	oil sand	558	563
5	oil sand	563	568
37	black shale	568	605
15	shale	605	620

good
 v-good
 v-good