



DRILL LOG

Operator License # 33741

API # 15-059-26393-00-00

Operator Energex Kansas

Lease Name Thoele South

Address 2038 S. Princeton St., Ste B
Ottawa, KS 66067

Well # BSP-TS46

Contractor JTC Oil, Inc.

Spud Date 6/27/13 Cement 7/09/13

Contractor License 32834

Location _____ of _____

T.D. 920 T.D. of Pipe 890

_____ feet from _____

Surf. Pipe Size 7" Depth 20'

_____ feet from _____

Kind of Well Production

County Franklin

Thickness	Strata	From	To	Thickness	Strata	From	To
2	Soil	0	2	23	Shale	188	211
5	Clay	2	7	4	Lime	211	215
20	Lime	7	27	4	Shale	215	219
5	Shale	27	32	6	Red Bed	219	225
2	Red Bed	32	34	34	Shale	225	259
13	Shale	34	47	14	Lime	259	273
4	Lime	47	51	8	Shale	273	281
10	Shale	51	61	33	Lime	281	314
29	Lime	61	90	6	Black Shale	314	320
75	Shale	90	165	23	Lime	320	343
23	Lime	165	188	5	Coal	343	348

12	Lime	348	360
152	Shale	360	512
5	Lime	512	517
8	Shale	517	525
17	Lime	525	542
6	Shale	542	548
10	Sand	548	558
24	Shale	558	582
3	Coal	582	585
3	Shale	585	588
7	Lime	588	595
13	Shale	595	608
3	Lime	608	611
13	Black Shale	611	624
11	Lime	624	635
17	Shale	635	652
2	Lime	652	654
4	Coal	654	658
5	Lime	658	663
2	Lime Oil	663	665 OK
3	Lime Oil	665	668 Good
3	Lime Oil	668	671 Good
2	Shale	671	673
2	Coal	673	675

13	Sand	675	688
20	Shale	688	708
28	Black Shale	708	736
2	Oil Sand	736	738 OK
2	Oil Sand	738	740 Good
2	Oil Sand	740	742 V-Good
2	Oil Sand	742	744 V-Good
1	Oil Sand	744	745 Broken
17	Shale	745	762
2	Coal	762	764
7	Shale	764	771
1	Lime	771	772
6	Shale	772	778
8	Sand	778	786
6	Shale	786	792
2	Coal	792	794
13	Shale	794	807
23	Sand/Shale	807	830
4	Shale	830	834
1	Lime	834	835
7	Shale	835	842
8	Sand	842	850
51	Shale	850	901
6	White Sand	901	907

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907 920