

Operator License #	33741	API #	15-059-26489-00-00		
Operator	Energex Kansas	Lease Name	Gilchrist		
Address	2038 S. Princeton St., Ste B	Well #	BSP-GC9		
City	Ottawa, KS 66067	Spud Date	8/13/2013		
Contractor	JTC Oil, Inc.	Cement Date			
Contractor License #	32834	Location	Sec 4	T 18	R 21
T.D.	740		1765 feet from	S	line
T.D. of pipe	730		522 feet from	E	line
Surface pipe size	7"	County	Franklin		
Surface pipe depth	20'				
Well Type	Production				

Driller's Log

Thickness	Strata	From	To
2	Soil	0	2
4	Lime	2	6
2	Clay	6	8
27	Shale	8	35
19	Lime	35	54
94	Shale	54	148
19	Lime	148	167
14	Shale	167	181
3	Lime	181	184
5	Shale	184	189
8	Lime	189	197
35	Shale	197	232
18	Lime	232	250
9	Shale	250	259
26	Lime	259	285
10	Black Shale	285	295
20	Lime	295	315
5	Coal	315	320
12	Lime	320	332
158	Shale	332	490
16	Lime	490	506
5	Shale	506	511
7	Sand	511	518
28	Shale	518	546
2	Coal	546	548
6	Shale	548	554
7	Lime	554	561
11	Shale	561	572
2	Lime	572	574
12	Black Shale	574	586
8	Lime	586	594
9	Shale	594	603
1	Lime	603	604
2	Coal	604	606

3	Lime Oil	606	609	Good
2	Lime Oil	609	611	OK
2	Shale	611	613	
2	Sand Shale	613	615	OK
3	Oil Sand	615	618	Good
3	Oil Sand	618	621	OK
3	Oil Sand Shale	621	624	Good
3	Oil Sand	624	627	V-Good
3	Oil Sand	627	630	V-Good
1	Oil Sand	630	631	V-Good
7	Sandy	631	638	
22	Shale	638	660	
27	Black Shale	660	687	
2	Sand	687	689	
2	Sand	689	691	Little Oil
2	Sand	691	693	Little Oil
3	Sandy	693	696	
7	Sandy	696	703	
37	Shale	703	740	