

Operator License #	33741	API #	15-059-26490-00-00		
Operator	Energex Kansas	Lease Name	Gilchrist		
Address	2038 S. Princeton St., Ste B	Well #	BSP-GC10		
City	Ottawa, KS 66067				
Contractor	JTC Oil, Inc.	Spud Date	8/7/2013		
Contractor License #	52854	Cement Date			
T.D.	820	Location	Sec 4	T 18	R 21
T.D. of pipe	794		1762 feet from	S	line
Surface pipe size	7"		175 feet from	E	line
Surface pipe depth	20'	County	Franklin		
Well Type	Production				

Driller's Log

Thickness	Strata	From	To
2	Soil	0	2
4	Clay	2	6
10	Lime	6	16
7	Shale	16	23
3	RedBed	23	26
20	Shale	26	46
18	Lime	46	64
18	Shale	64	82
3	Lime	82	85
71	Shale	85	156
20	Lime	156	176
15	Shale	176	191
3	Lime	191	194
5	Shale	194	199
8	Lime	199	207
39	Shale	207	246
16	Lime	246	262
9	Shale	262	271
27	Lime	271	298
7	Black Shale	298	305
22	Lime	305	327
5	Coal	327	332
15	Lime	332	347
153	Shale	347	500
16	Lime	500	516
4	Shale	516	520
8	Sand	520	528
26	Shale	528	554
3	Coal	554	557
5	Shale	557	562
6	Lime	562	568
13	Shale	568	581
2	Lime	581	583
12	Black Shale	583	595

10	Lime	595	605	
7	Shale	605	612	
2	Lime	612	614	
2	Coal	614	616	
2	Lime Oil	616	618	Good
3	Lime Oil	618	621	Good
2	Lime Oil	621	623	OK
2	Shale	623	625	
2	Oil Sand	625	627	Good
3	Oil Sand/Shale	627	630	OK
3	Oil Sand/Shale	630	633	OK
3	Oil Sand	633	636	Good
2	Oil Sand	636	638	Good
3	Oil Sand	638	641	OK
3	Oil Sand/Shale	641	644	Good
10	Sandy	644	654	
8	Shale	654	662	
6	Black Shale	662	668	
10	Shale	668	678	
19	Black Shale	678	697	
4	Sand	697	701	
2	Oil Sand	701	703	OK
2	Oil Sand/Sandy	703	705	OK
2	Sandy Shale	705	707	Little
4	Sandy Shale	707	711	
25	Shale	711	736	
8	Sand	736	744	
37	Shale Sandy	744	781	
8	Sand	781	789	
10	Sandy Shale	789	799	
3	Shale	799	802	
18	Sandy	802	820	