

Operator License #	33741	API #	15-059-26509-00-00		
Operator	Energex Kansas	Lease Name	Gilchrist		
Address	2038 S. Princeton St., Ste B	Well #	BSI-GC9		
City	Ottawa, KS 66067				
Contractor	JTC Oil, Inc.	Spud Date	9/12/2013		
Contractor License #	32834	Cement Date			
T.D.	720	Location	Sec 4	T 18	R 21
T.D. of pipe	699		2443 feet from	S	line
Surface pipe size	7"		400 feet from	E	line
Surface pipe depth	20'	County	Franklin		
Well Type	Injection				

Driller's Log

Thickness	Strata	From	To
2	Dirt	0	2
11	Lime	2	13
3	Shale	13	16
5	Lime	16	21
6	Shale	21	27
3	Red Shale	27	30
18	Shale	30	48
19	Lime	48	67
18	Shale	67	85
2	Lime	85	87
76	Shale	87	163
20	Lime	163	183
21	Shale	183	204
18	Lime	204	222
26	Shale	222	248
16	Lime	248	264
9	Shale	264	273
27	Lime	273	300
9	Black Shale	300	309
21	Lime	309	330
5	Coal/Shale	330	335
12	Lime	335	347
150	Shale	347	497
3	Lime	497	500
5	Sandy Shale	500	505
16	Lime	505	521
4	Shale	521	525
8	Sandy Shale	525	533
35	Shale	533	568
6	Lime	568	574
12	Shale	574	586
2	Lime	586	588
12	Black Shale	588	600
10	Lime Mix	600	610

7	Shale	610	617	
4	Lime	617	621	
1	Lime Oil	621	622	
2	Lime Oil	622	624	Good
2	Lime Oil	624	626	Good
1	Lime Oil	626	627	
2	Shale	627	629	
1	Sand	629	630	OK
2	Sand	630	632	
2	Sand	632	634	
2	Sand	634	636	
2	Good	636	638	
2	Good	640	642	
2	Good	642	644	
2	OK	644	646	
1	Little	648	650	
2	Little	648	650	
10	Sandy Shale	650	660	
43	Shale	660	703	
2	Sand	703	705	Little Oil
2	Sand	705	707	
2	Tiny	707	709	
11	Shale	709	720	