

Operator License #	33741	API #	15-059-26475-00-00		
Operator	Energex Kansas	Lease Name	Gilchrist		
Address	2038 S. Princeton St., Ste B	Well #	BSP-GC4		
City	Ottawa, KS 66067	Spud Date	8/29/2013		
Contractor	JTC Oil, Inc.	Cement Date			
Contractor License #	32834	Location	Sec 4	T 18	R 21
T.D.	680		2068 feet from	S	line
T.D. of pipe	672		196 feet from	E	line
Surface pipe size	7"	County	Franklin		
Surface pipe depth	20'				
Well Type	Production				

Driller's Log

Thickness	Strata	From	To	
5	Dirt	0	5	
10	Lime	5	15	
28	Shale	15	43	
20	Lime	43	63	
18	Shale	63	81	
4	Lime	81	85	
71	Shale	85	156	
20	Lime	156	176	
18	Shale	176	194	
1	Lime	194	195	
7	Shale	195	202	
12	Lime	202	214	
29	Shale	214	243	
17	Lime	243	260	
9	Shale	260	269	
11	Lime	269	280	
5	Shale	280	285	
9	Lime	285	294	
9	Black Shale	294	303	
22	Lime	303	325	
4	Coal	325	329	
15	Lime	329	344	
138	Shale	344	482	
8	RedShale	482	490	
6	Shale	490	496	
4	Lime	496	500	
2	Shale	500	502	
13	Lime	502	515	
4	Shale	515	519	
8	Sand/Shale	519	527	No Oil
35	Shale	527	562	
6	Lime	562	568	
12	Shale	568	580	
3	Lime	580	583	

12	Shale	583	595	
8	Lime	595	603	
12	Shale	603	615	
1	Lime Oil	615	616	
2	Ok Oil	616	618	
2	Ok Oil	618	620	
2	Ok Oil	620	622	
3	Shale	622	625	
2	Ok Oil/Sand	625	627	OK
2	Oil Sand	627	629	
2	Little	629	631	
2	Little	631	633	
2	Little	633	635	
3	Tiny	635	638	
2	Little	638	640	
2	Little	640	642	
2	Tiny	642	644	
8	Sandy Shale	644	652	
28	Shale	652	680	