

Operator License # 33741
 Operator Energex Kansas
 Address 2038 S. Princeton St., Ste B
 City Ottawa, KS 66067
 Contractor JTC Oil, Inc.
 Contractor License # 32834
 T.D. 840
 T.D. of pipe 825
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-059-26483-00-00
 Lease Name Alexander
 Well # BSP-AL18

Spud Date 7/31/2013

Cement Date

Location Sec 29 T 18 R 21
 611 feet from S line
 5115 feet from E line

County Franklin

Driller's Log

Thickness	Strata	From	To	
2	Soil	0	2	
6	Clay	2	8	
60	Shale	8	68	
19	Lime	68	87	
24	Shale	87	111	
7	Lime	111	118	
6	Red Bed	118	124	
38	Shale	124	162	
15	Lime	162	177	
9	Shale	177	186	
31	Lime	186	217	
9	Black Shale	217	226	
21	Lime	226	247	
5	Coal	247	252	
12	Lime	252	264	
168	Shale	264	432	
17	Lime	432	449	
6	Shale	449	455	
8	Sand	455	463	
2	Oil Sand	463	465	Little Oil
2	Sandy Shale	465	467	Little Oil
23	Shale	467	490	
3	Coal	490	493	
2	Shale	493	495	
7	Lime	495	502	
13	Shale	502	515	
3	Lime	515	518	
22	Black Shale	518	540	
11	Lime	540	551	
12	Shale	551	563	
2	Lime	563	565	
2	Coal	565	567	
4	Lime	567	571	
3	Lime Oil	571	574	OK

2	Lime Oil	574	576	Good
2	Lime Oil	576	578	Good
2	Lime Oil	578	580	OK
3	Shale	580	583	
3	Coal	583	586	
12	Sand	586	598	
36	Shale	598	634	
14	Black Shale	634	648	
2	Sandy Shale	648	650	OK
2	Sand	650	652	Broken
6	Sandy Shale	652	658	
22	Shale	658	680	
1	Lime	680	681	
3	Shale	681	684	
1	Coal	684	685	
18	Shale	685	703	
4	Red Bed	703	707	
44	Shale	707	751	
4	Sand	751	755	
3	Sandy Shale	755	758	Little Oil
3	Oil Sand	758	761	OK
3	Sandy Shale	761	764	Broken
3	Sand	764	767	Little Oil
3	Sandy Shale	767	770	Little Oil
6	Sandy Shale	770	776	
27	Sand	776	803	
37	Shale	803	840	