

Operator License #	33741	API #	15-059-26746-00-00		
Operator	Energex Kansas	Lease Name	Thoele South		
Address	2038 S. Princeton St., Ste B	Well #	BSI-TS36		
City	Ottawa, KS 66067				
Contractor	JTC Oil, Inc.	Spud Date	7/17/2014		
Contractor License #	32834	Cement Date			
T.D.	780	Location	Sec 29	T 18	R 21
T.D. of pipe	757		624 feet from	N	line
Surface pipe size	7"		363 feet from	W	line
Surface pipe depth	20'	County	Franklin		
Well Type	Injection				

Driller's Log

Thickness	Strata	From	To	
9	lime	0	9	
34	shale	9	43	
28	lime	43	71	
78	shale	71	149	
22	lime	149	171	
24	shale	171	195	
3	lime	195	198	
43	shale	198	241	
14	lime	241	255	
9	shale	255	264	
30	lime	264	294	
7	black shale	294	301	
25	lime	301	326	
4	coal	326	330	
13	lime	330	343	
163	shale	343	506	
16	lime	506	522	
50	shale	522	572	
7	lime	572	579	
11	shale	579	590	
2	lime	590	592	
20	black shale	592	612	
12	lime	612	624	
10	shale	624	634	
2	lime	634	636	
4	coal	636	640	
9	lime	640	649	
3	lime oil	649	652	
3	coal	652	655	
13	sand	655	668	
50	shale	668	718	
2	oil sand	718	720	good
2	oil sand	720	722	v-good
2	oil sand	722	724	v-good

2	sandy	724	726	little oil
4	sandy shale	726	730	
50	shale	730	780	