

Operator License #	32834	API #	15-121-30435-00-00
Operator	JTC Oil, Inc.	Lease Name	Cooper
Address	35790 Plum Creek Road	Well #	I-10
City	Osawatomie, KS 66064		
Contractor	JTC Oil, Inc.	Spud Date	3/13/2015
Contractor License #	32834	Cement Date	3/16/2015
T.D.	720'	Location	Sec 9 T 17 S R 22 E
T.D. of pipe	696'		660 feet from S line
Surface pipe size	7"		990 feet from E line
Surface pipe depth	20'	County	Miami
Well Type	Injection		

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
3	clay	2	5	
83	shale	5	88	
18	lime	88	106	
31	shale	106	137	
4	lime	137	141	
43	shale	141	184	
14	lime	184	198	
10	shale	198	208	
27	lime	208	235	
8	coal	235	243	
20	lime	243	263	
4	coal	263	267	
13	lime	267	280	
138	shale	280	418	
29	lime shale	418	447	
	lime	447	470	
36	shale	470	506	
9	lime	506	515	
15	shale	515	530	
3	lime	530	533	
16	black shale	533	549	
2	lime	549	551	
21	shale	551	572	
3	lime	572	575	
38	shale	575	613	
5	sandy	613	618	
4	oil sand	618	622	broke
4	oil sand	622	626	broke
4	oil sand	626	630	broke
4	oil sand	630	634	ok
4	oil sand	634	638	ok
4	oil sand	638	642	broke
4	oil sand	642	646	good

4	oil sand	646	650	good
4	oil sand	650	654	v-good
4	oil sand	654	658	v-good
4	oil sand	658	662	broke
4	black shale	662	666	
4	sandy	666	670	
50	shale	670	720	