

Operator License #	32834	API #	15-059-26907-00-00
Operator	JTC Oil, Inc.	Lease Name	Chase
Address	35790 Plum Creek Road	Well #	P-15
City	Osawatomie, KS 66064		
Contractor	JTC Oil, Inc.	Spud Date	2/9/2015
Contractor License #	32834	Cement Date	2/11/2015
T.D.	720'	Location	Sec 33 T 17S R 21E
T.D. of pipe	692'		495 feet from N line
Surface pipe size	7"		1815 feet from W line
Surface pipe depth	20'	County	Franklin
Well Type	Production		

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
13	clay	2	15	
46	shale	15	61	
17	lime	61	78	
26	shale	78	104	
5	lime	104	109	
38	shale	109	147	
17	lime	147	164	
9	shale	164	173	
29	lime	173	202	
6	coal	202	208	
21	lime	208	229	
5	coal	229	234	
12	lime	234	246	
146	shale	246	392	
21	lime	392	413	
51	shale	413	464	
4	lime	464	468	
9	shale	468	477	
3	lime	477	480	
12	black shale	480	492	
3	lime	492	495	
14	shale	495	509	
2	lime	509	511	
2	lime oil	511	513	v-good
2	lime oil	513	515	v-good
2	lime oil	515	517	good
1	lime oil	517	518	good
26	shale	518	544	
44	black shale	544	588	
3	sandy	588	591	
3	sandy	591	594	little oil
46	shale	594	640	
2	oil sand	640	642	ok

2	oil sand	642	644	ok
2	sand/shale	644	646	broken
44	black shale	646	690	
30	shale	690	720	