

Operator License # 32834  
 Operator JTC Oil, Inc.  
 Address 35790 Plum Creek Road  
 City Osawatomie, KS 66064  
 Contractor JTC Oil, Inc.  
 Contractor License # 32834  
 T.D. 720'  
 T.D. of pipe 693'  
 Surface pipe size 7"  
 Surface pipe depth 20'  
 Well Type Production

API # 15-059-26925-00-00  
 Lease Name Chase  
 Well # P-18  
 Spud Date 2/22/2015  
 Cement Date 2/25/2015  
 Location Sec 33 T 17 S R 21 E  
 825 feet from N line  
 1485 feet from W line  
 County Franklin

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
12	clay	2	14	
53	shale	14	67	
18	lime	67	85	
28	shale	85	113	
5	lime	113	118	
38	shale	118	156	
15	lime	156	171	
9	shale	171	180	
30	lime	180	210	
7	coal	210	217	
23	lime	217	240	
4	coal	240	244	
11	lime	244	255	
145	shale	255	400	
22	lime	400	422	
51	shale	422	473	
4	lime	473	477	
10	shale	477	487	
3	lime	487	490	
12	black shale	490	502	
3	lime	502	505	
13	shale	505	518	
2	lime oil	518	520	ok
3	lime oil	520	523	ok
2	lime oil	523	525	good
2	lime oil	525	527	good
1	lime oil	527	528	good
26	shale	528	554	
45	black shale	554	599	
2	oil sand	599	601	ok
2	sandy	601	603	little oil
45	shale	603	648	
2	oil sand	648	650	ok

2	sandy	650	652	ok
2	sandy shale	652	654	broken
2	sandy shale	654	656	broken
44	black shale	656	700	
20	shale	700	720	