

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. 940'
 T.D. of pipe 760'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-059-26909-00-00
 Lease Name Chase
 Well # P-23
 Spud Date 2/16/2015
 Cement Date 2/26/2015
 Location Sec 33 T 17 S R 21 E
 1155 feet from N line
 1815 feet from W line
 County Franklin

Driller's Log

Thickness	Strata	From	To	
2	top soil	0	2	
12	clay	2	14	
55	shale	14	69	
18	lime	69	87	
27	shale	87	114	
4	lime	114	118	
38	shale	118	156	
17	lime	156	173	
10	shale	173	183	
27	lime	183	210	
9	coal	210	219	
21	lime	219	240	
4	coal	240	244	
12	lime	244	256	
155	shale	256	411	
12	lime	411	423	
45	shale	423	468	
5	lime	468	473	
16	shale	473	489	
2	lime	489	491	
12	black shale	491	503	
2	lime	503	505	
17	shale	505	522	
2	lime oil	522	524	good
2	lime oil	524	526	v-good
2	lime oil	526	528	v-good
2	lime oil	528	530	v-good
25	shale	530	555	
46	black shale	555	601	
5	sandy	601	606	
45	shale	606	651	
2	oil sand	651	653	ok
2	oil sand	653	655	ok
3	oil sand	655	658	broken

40	black shale	658	698	
5	shale	698	703	
7	sand	703	710	
6	shale	710	716	
9	oil sand	716	725	good
8	sandy shale	725	733	
8	shale	733	741	
27	sand	741	768	
11	shale	768	779	
22	sandy shale	779	801	
20	sand	801	821	
1	lime	821	822	
34	black shale	822	856	
33	shale	856	889	
36	sand	889	925	
3	lime	925	928	
12	black shale	928	940	