

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. 620'
 T.D. of pipe 606'
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30630-00-00
 Lease Name Renner
 Well # P-11
 Spud Date 9/19/2014
 Cement Date
 Location Sec 16 T 17 R 22
 825 feet from S line
 330 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
15	clay	2	17	
52	shale	17	69	
19	lime	69	88	
28	shale	88	116	
7	lime	116	123	
33	shale	123	156	
15	lime	156	171	
10	shale	171	181	
26	lime	181	207	
7	coal	207	214	
21	lime	214	235	
6	coal	235	241	
11	lime	241	252	
142	shale	252	394	
6	lime/shale	394	400	
4	oil sand	400	404	ok
4	oil sand	404	408	ok
3	lime/oil	408	411	ok
3	oil sand	411	414	v-good
4	oil sand	414	418	v-good
10	lime	418	428	
54	shale	428	482	
5	lime	482	487	
15	shale	487	502	
3	lime	502	505	
15	black shale	505	520	
5	lime	520	525	
16	shale	525	541	
2	lime	541	543	
3	coal	543	546	
12	shale	546	558	
3	oil sand	558	561	v-good
4	oil sand	561	565	v-good

3
52

mix shale sand
shale

565
568

568
620

ok