

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. 740'  
 T.D. of pipe 729'  
 Surface pipe size 7"  
 Surface pipe depth 20'  
 Well Type Production

API # 15-121-30428-00-00  
 Lease Name Cooper  
 Well # P-12  
 Spud Date 1/13/2014  
 Cement Date 1/19/2015  
 Location Sec 9 T 17 R 22  
 495 feet from S line  
 1155 feet from E line  
 County Miami

Driller's Log

Thickness	Strata	From	To
2	soil	0	2
5	clay	2	7
84	shale	7	91
17	lime	91	108
30	shale	108	138
4	lime	138	142
45	shale	142	187
14	lime	187	201
10	shale	201	211
27	lime	211	238
7	coal	238	245
22	lime	245	267
4	coal	267	271
12	lime	271	283
135	shale	283	418
24	lime shale	418	442
14	lime	442	456
52	shale	456	508
6	lime	508	514
19	shale	514	533
3	lime	533	536
16	black shale	536	552
3	lime	552	555
19	shale	555	574
3	lime	574	577
41	shale	577	618
3	oil sand	618	621
3	oil sand	621	624
45	shale	624	669
2	sandy	669	671
3	sandy shale	671	674
66	shale	674	740

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