

Operator License # 31295
 Operator Prairie Oil, LLC
 Address 108 Broadmoor Drive
 City Louisburg, KS 66053
 Contractor Prairie Oil, LLC
 Contractor License # 31295
 T.D. 620
 T.D. of pipe 595
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30182-00-00
 Lease Name LW
 Well # P-19
 Spud Date 4/15/2014
 Cement Date 4/21/2014
 Location Sec 4 T 18 R 22
 1155 feet from N line
 1485 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
25	clay	2	27	
14	lime	27	41	
11	shale	41	52	
28	lime	52	80	
8	black shale	80	88	
21	lime	88	109	
4	coal	109	113	
13	lime	113	126	
166	shale	126	292	
9	lime	292	301	
37	shale	301	338	
3	coal	338	341	
14	shale	341	355	
7	lime	355	362	
12	shale	362	374	
2	lime	374	376	
18	black shale	376	394	
8	lime	394	402	
18	shale	402	420	
2	lime	420	422	
8	black shale	422	430	
8	lime	430	438	
42	shale	438	480	
26	black shale	480	506	
4	sandy	506	510	
28	shale	510	538	
2	lime	538	540	
12	shale	540	552	
3	oil sand	552	555	good
3	oil sand	555	558	v-good
4	oil sand	558	562	v-good
4	oil sand	562	566	v-good
2	oil sand	566	568	v-good