

Operator License # 31295  
 Operator Prairie Oil, LLC  
 Address 108 Broadmoor Drive  
 City Louisburg, KS 66053  
 Contractor Prairie Oil, LLC  
 Contractor License # 31295  
 T.D. 680  
 T.D. of pipe 665  
 Surface pipe size 7"  
 Surface pipe depth 20'  
 Well Type Production

API # 15-121-29833-00-00  
 Lease Name LW  
 Well # P-4  
 Spud Date 4/1/2014  
 Cement Date 4/21/2014  
 Location Sec 4 T 18 R 22  
 495 feet from N line  
 1815 feet from E line  
 County Miami

Driller's Log

Thickness	Strata	From	To
2	soil	0	2
3	clay	2	5
11	lime	5	16
9	shale	16	25
5	lime	25	30
31	shale	30	61
3	lime	61	64
10	shale	64	74
14	lime	74	88
11	shale	88	99
27	lime	99	126
7	black shale	126	133
21	lime	133	154
5	coal	154	159
13	lime	159	172
165	shale	172	337
8	lime	337	345
45	shale	345	390
3	coal	390	393
3	shale	393	396
8	lime	396	404
12	shale	404	416
3	lime	416	419
21	black shale	419	440
8	lime	440	448
21	shale	448	469
2	lime	469	471
8	black shale	471	479
10	lime	479	489
39	shale	489	528
27	black shale	528	555
3	sandy	555	558
30	shale	558	588
2	lime	588	590