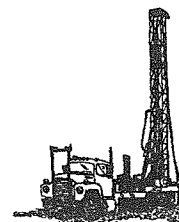


LEIS OIL SERVICES

111 East Mary • Yates Center, Kansas 66783 • (620) 625-3676



Operator License #: 30345	API #: 15-207-28268-00-00
Operator: Piqua Petro, Inc.	Lease: Town
Address: PO Box 223 Yates Center, KS 66783	Well #: 4-12
Phone: (620) 433-0099	Spud Date: 8/22/12 Completed: 8/23/12
Contractor License: 32079	Location: SW-NE-NE-NW of 31-25-14E
T.D. : 1357 T.D. of Pipe: 1353	510 Feet From North
Surface Pipe Size: 7" Depth: 41'	2130 Feet From West
Kind of Well: Oil	County: Woodson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
20	Soil/Clay	0	20	3	Lime	1086	1089
1	Lime	20	21	20	Shale	1089	1109
116	Shale	21	137	18	Lime	1109	1127
3	Lime	137	140	8	Shale	1127	1135
5	Shale	140	145	6	Lime	1135	1141
4	Lime	145	149	66	Shale	1141	1207
165	Shale	149	314	3	Lime	1207	1210
5	Lime	314	319	10	Shale	1210	1220
8	Shale	319	327	2	Lime	1220	1222
102	Lime	327	429	80	Shale	1222	1302
3	Shale	429	432	5	Sandy Shale	1302	1307
72	Lime	432	504	5	Sand light odor	1307	1312
25	Shale	504	529	5	Sand odor bleed	1312	1317
57	Lime	529	586	36	Shale	1317	1353
60	Shale	586	646				
80	Lime	646	726				
4	Black Shale	726	730				
4	Lime	730	734				
8	Lime/ oil show	734	742				
54	Lime	742	796				
145	Shale	796	941				
8	Lime	941	949				
24	Shale	949	973				
9	Lime	973	982		T.D.		1357
79	Shale	982	1061		T.D. of Pipe		1353
4	Lime	1061	1065				
12	Shale	1065	1077				
2	Lime	1077	1079				
7	Shale	1079	1086				