

**WoCo Drilling LLC**  
**Yates Center, Kansas 66783**  
**620-330-6328 620-228-2320**

Operator License# 5983	API# 15-207-28657-00-00		
Operator: Victor J Leis	Lease Name: Switzer		
Address: PO Box 223 Yates Center, Ks	Well # N-4		
Phone# 913-285-0127	Spud date: 8-26-13	Completed: 8-27-13	
Contractor License# 33900	Location: 3	Twp: 24	Rg:15
T.D. 1198	T.D. of Pipe	550	Ft from N Line
Surface Pipe Size:	Depth:40ft	1155	Ft from W Line
Kind of Well: Oil	S/N 1126		

**Drillers Log**

Strata	From	To
Soil	0	2
Lime	2	8
Shale	8	19
Lime	19	25
Shale	25	113
Lime	113	116
Shale	116	143
Lime	143	147
Shale	147	150
Lime	150	158
Shale	158	337
Lime	337	365
Shale	365	374
Lime	374	384
Shale	384	410
Lime	410	445
Shale	445	452
Lime	452	572
Shake	572	579
Lime	579	613
Shale	613	622
Lime	622	640
Shale	640	663
Lime	663	791
Shale	791	932
Lime	932	937
Shale	937	947

Strata	From	To
Lime	947	949
Shale	949	955
Lime	955	976
Shale	976	998
Lime	998	1009
Shale	1009	1030
Lime	1030	1042
Shale	1042	1057
Lime	1057	1062
Shale	1062	1073
Lime	1073	1088
Shale	1088	1092
Lime	1092	1100
Shale	1100	1104
Lime	1104	1107
Shale	1107	1111
C-T Oil Sand	1111	1114
Oil Sand	1114	1117
Oil Sand	1117	1121
Broken Sand	1121	1124
Shale	1124	1154
Lower Cap	1154	1158
Shale	1158	1160
Broken Sand	1160	1163
Broken Sand	1163	1666
Shale	1166	1198