

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

Operator License# 5983	API# 15-207-28656-00-00
Operator: Victor J Leis	Lease Name: Switzer
Address: PO Box 223 Yates Center, Ks	Well # N-3
Phone# 913-285-0127	Spud date: 8-21-13      Completed: 8-22-13
Contractor License# 33900	Location: 3      Twp: 24      Rg:15
T.D.1203      T.D. of Pipe	550      Ft from      N      Line
Surface Pipe Size:      Depth:40ft	825      Ft from      W      Line
Kind of Well: Oil	S/N 1130

**Drillers Log**

Strata	From	To
Soil	0	3
Clay	3	7
Lime	7	12
Shale	12	27
Lime	27	56
Shale	56	67
Lime	67	150
Shale	150	155
Lime	155	165
Shale	165	344
Lime	344	350
Shale	350	367
Lime	367	396
Shale	396	412
Lime	412	435
Shale	435	446
Lime	446	532
Shale	532	557
Lime	557	618
Shale	618	673
Lime	673	794
Shale	794	967
Lime	967	976
Shale	976	1036
Lime	1036	1039
Shale	1039	1045

Strata	From	To
Lime	1045	1049
Shale	1049	1064
Lime	1064	1069
Shale	1069	1098
Lime	1098	1104
Shale	1104	1109
Lime	1109	1111
Shale	1111	1114
Lime	1114	1116
Shale	1116	1118
Oil Sand	1118	1120
Oil Sand	1120	1124
Broken Oil Sand	1124	1126
Shale	1126	1132
Shale	1132	1164
Lime Cap	1164	1169
Shale	1169	1172
Broken Oil Sand	1172	1175
Shale	1175	1203