

Well: **Schafer CS9**

2475 FNL & 869 FEL

Section 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29287

Elevation: 948

Drilling Contractor: BAR Drilling, LLC

Spud: 9/4/2015

Surface Casing: 40.40' 8 5/8" csg, cmtd w/12sx

Under Surface: 9/8/2015

Drilling Fluid: Water "native mud" and a little polymer.

Production Bore Hole: 6.75"

Rotary Total Depth (RTD): 1405

Geophysical E-Log(s): Osage Wireline

Production Casing: 1396.80' of 4 1/2" csg, 10.5#/ft, includes 4' cmt pup jt, cmtd w/150 sx, (9/10/2015)

Production Casing: Ran in hole by: BAR Drilling, LLC (9/10/2015)

Production Casing: Cemented by: Elite Cementing

#### FORMATION TOPS

<b>Formation Member</b>	<b>DL/SPL Tops</b>	<b>E-Log (Rdd)</b>	<b>Datum (MSL)</b>
Kansas City	562	562	386.0
Stark SH	651	651	297.0
Hushpuckney SH	691	691	257.0
Base of KC	721	721	227.0
Old DL Base KC	737	737	211.0
South Mound SH	831	831	117.0
Lenapah LS	836	836	112.0
Weiser SS	928	928	20.0
Mulberry Coal	970	970	-22.0
Pawnee LS	978	978	-30.0
Myric Station LS	995	995	-47.0
Anna (Lex. Coal Zn) SH	999	999	-51.0
Fort Scott LS	1024	1024	-76.0
Little Osage (Sum Coal Zn) SH	1043	1043	-95.0
Excello SH	1057	1057	-109.0
Mulky Coal	1061	1061	-113.0
Squirrel SS	1069	1069	-121.0
Bevier Coal	1122	1122	-174.0
Verdigris LS	1134	1134	-186.0
Croweburg "V" SH	1137	1137	-189.0
Croweburg Coal	1140	1140	-192.0
Fleming Coal	1175	1175	-227.0
Mineral Coal	1193	1193	-245.0

Well: Schafer CS9 cont'd.

<b>Formation Member</b>	<b>DL/SPL Tops</b>	<b>E-Log (Rdd)</b>	<b>Datum (MSL)</b>
Scammon Coal	1210	1210	-262.0
Tebo SH	1238	1238	-290.0
Tebo Coal	1248	1248	-300.0
Bartlesville SS	1295	1295	-347.0
Rowe/Neutral Coal	1351	1351	-403.0
Un-named Coal	1369	1369	-421.0
Riverton Coal	1398	1398	-450.0
Top of Miss LS	1402	1402	-454.0
Mississippi LS	1405	1405	-457.0