

End of Well Report & Formation Tops

Well: Schafer CS14

3196 FSL 246FEL

SEC 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29302

Elevation: 951 est based on surrounding surveyed locations

Drilling Contractor: BAR Drilling, LLC

Spud: 11/13/2015

Surface Casing: 40.5' of 8 5/8" csg, cmtd w/12 sx

Under Surface: 11/16/2015

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: 1394.35' of 4 1/2" csg, 10.5#/ft, includes 4' cmt pup jt,
cmtd s/150 sx (11/19/2015)

FORMATION TOPS

Formation Member	DL/SPL Tops	E-Log (Rdd)	Datum (MSL)
Kansas City	564	564	382.0
Stark SH	654	654	292.0
Hushpuckney SH	693	693	253.0
Base of KC	724	724	222.0
Old DL Base KC	740	740	206.0
Lenapah LS	836	836	110.0
Weiser SS	938	938	8.0
Mulberry Coal	972	972	-26.0
Pawnee LS	980	980	-34.0
Myric Station LS	995	995	-49.0
Anna (Lex. Coal Zn) SH	999	999	-53.0
Fort Sct LS	1025	1025	-79.0
Little Osage (Sum Coal Zn) SH	1043	1043	-97.0
Excello SH	1057	1057	-111.0
Mulky Coal	1061	1061	-115.0
Squirrel SS	1069	1069	-123.0
Bevier Coal	1122	1122	-176.0
Verdigris LS	1136	1136	-190.0
Croweburg "V" SH	1139	1139	-193.0
Fleming Coal	1178	1178	-232.0
Mineral Coal	1194	1194	-248.0
Scammon Coal	1212	1212	-266.0
Tebo SH	1244	1244	-298.0
Tebo Coal	1254	1254	-308.0
Bartlesville SS	1295	1295	-349.0
Mississippi LS	1402	1402	-456.0