

Well: Schafer CS11

2145 FNL & 539 FEL

Sec 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29288

Elevation GL: 952 Surveyed

Elevation KB: 957.1

Drilling Contractor: BAR Drilling, LLC

Spud: 9/11/2015

Surface Casing: 40.4' w/12sx

Under Surface: 9/14/2015

Drilling Fluid: Water "native mud" and little polymer

Production Bore Hole: 6.75"

Rotary Total Depth (RTD): 1408'

Geophysical E-Log(s): Osage Wireline

Production Casing: 1395.55 4 1/2" 10.5#/ft, includes 4'cmt pup jt, cmtd w/150 sx,(9/16/2015)

Production Casing: Ran in by: BAR Drilling, LLC

FORMATION TOPS

Formation Member	DL/SPL Tops	E-Log (Rdd)	Datum (MSL)
Kansas City	566	566	386.0
Stark SH	656	656	296.0
Hushpuckney SH	696	696	256.0
Base of KC	726	726	226.0
Old DL Base KC	742	742	210.0
South Mound SH	835	835	117.0
Lenapah LS	840	840	112.0
Weiser SS	941	941	11.0
Mulberry Coal	975	975	-23.0
Pawnee LS	981	981	-29.0
Myric Station LS	997	997	-45.0
Anna (Lex. Coal Zn) SH	1002	1002	-50.0
Fort Scott LS	1026	1026	-74.0
Little Osage (Sum Coal Zn) SH	1042	1042	-90.0
Excello SH	1057	1057	-105.0
Mulky Coal	1062	1062	-110.0
Squirrel SS	1078	1078	-126.0
Bevier Coal	1126	1126	-174.0
Verdigris LS	1138	1138	-186.0
Croweburg "V" SH	1142	1142	-190.0
Croweburg Coal	1145	1145	-193.0
Fleming Coal	1180	1180	-228.0
Mineral Coal	1196	1196	-244.0
Scammon Coal	1212	1212	-260.0

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End of Well Report cont'd.

Formation Member	DL/SPL Tops	E-Log (Rdd)	Datum (MSL)
Tebo SH	1244	1244	-292.0
Tebo Coal	1252	1252	-300.0
Bartlesville SS	1285	1285	-333.0
Rowe/Neutral Coal	1388	1388	-436.0
Riverton Coal	1400	1400	-448.0
Mississippi LS	1407	1407	-455.0