

AUSTIN B. KLAUS



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Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Morgenstern B #1 Location: Barton County

License Number: API #15-009-26,174-0000 Region: Kansas

Spud Date: 6/5/2017 Drilling Completed: 6/12/2017

Surface Coordinates: Section 13, Township 16 South, Range 14 West

2,310' FNL & 2,310' FEL

Bottom Hole Vertical well with minimal deviation, same as above

Coordinates:

Ground Elevation (ft): 1,906 K.B. Elevation (ft): 1,914 Logged Interval (ft): 2,800 To: RTD Total Depth (ft): 3,410

Formation: LKC-Arbuckle

Type of Drilling Fluid: Chemical (Mud Co.)

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: John O. Farmer, Inc. Address: 370 W. Wichita Ave.

Russell, KS 67665

Comments

The Morgenstern B #1 well was drilled by Discovery Drilling Rig #2 (Tool Pusher: Terry Wickham).

The location for the Morgenstern B #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 2,800'-3,410'. Three bottom-hole drill stem tests were conducted in the Lansing, one of which yielded positive results (Lansing J zone). Structurally, the Morgenstern B #1 ran 1' low at the Lansing and 8' low at the Arbuckle, to the Morgenstern A #1 (990' FNL & 1,270' FWL, Sec 13-16S-14W). Upon completion of the logging operation, a straddle test was conducted over the top 27' of the Arbuckle, which recovered significant oil with good shut-in pressures. Upon completion of the drill stem test, the decision was made to set 5 1/2" production casing to further evaluate the Morgenstern B #1 well on 6/13/17.







