AUSTIN B. KLAUS

Cell 785.650.3629 Work 785.483.3145 Ext 225

PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

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

Well Name: Eulert 3-#3
Location: Russell County

License Number: API #15-167-24086 Region: Kansas

Spud Date: 12/13/18 Drilling Completed: 12/20/18

Surface Coordinates: Section 3, Township 12 South, Range 15 West

500' FNL & 680' FWL

Bottom Hole Vertical well w/ minimal deviation, same as above

Coordinates:

Ground Elevation (ft): 1,730' K.B. Elevation (ft): 1,738' Logged Interval (ft): 2,300 To: RTD Total Depth (ft): 3,320

Formation: LKC-Arbuckle
Type of Drilling Fluid: Chemical (Andy's)

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OPERATOR

Company: ESP Development, Inc. Address: 1749B 250th Ave.

Hays, KS 67601

GEOLOGIST

Name: Austin Klaus

Company: John O. Farmer, Inc. Address: 370 W. Wichita Ave. Russell, KS 67665

Comments

The Eulert #3-3 well was drilled by Discovery Drilling Rig #1 (Tool Pusher: Cliff Mayfield).

The location for the Eulert #3-3 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 2.300'-3.250'.

Structurally, the Eulert #3-3 encountered the Topeka formation 3' low, in relation to the Eulert #3-2 (comparison well). Slight oil shows were noted in the Topeka zone. The Lansing formation was picked 6' low to the comparison well. Two bottom-hole tests were conducted: LKC A - LKC C & LKC H-K (see recovery below). Marginal thickening occurred in the lower Lansing; B/KC & Arbuckle formations were picked 8' & 7' low respectively.

The 3D seismic indicates this location to have complete closure (isolation from surrounding production), thus the low structural position cannot alone condemn the Arbuckle. It is advised that careful log evaluation to condemn all producing zones be completed prior to conversion to SWD. After all sample, log, and drill stem test data was gathered and evaluated, the decision was made to set 5 1/2" casing to potentially evaluate the Eulert #3-3 for oil production and utilize for SWD purposes if non-productive.











