

AUSTIN B. KLAUS



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

Well Name: Preston Unit #1-A

Location: Lyon County

License Number: API #15-111-20534-00-00 Region: Kansas Spud Date: 4/12/18 Drilling Completed: 4/20/18

Surface Coordinates: Section 24, Township 15 South, Range 11 East

222' FNL & 170' FEL

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

Coordinates:

Ground Elevation (ft): 1,272 **K.B. Elevation (ft): 1.280** Logged Interval (ft): 2,200 To: RTD Total Depth (ft): 3,050

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

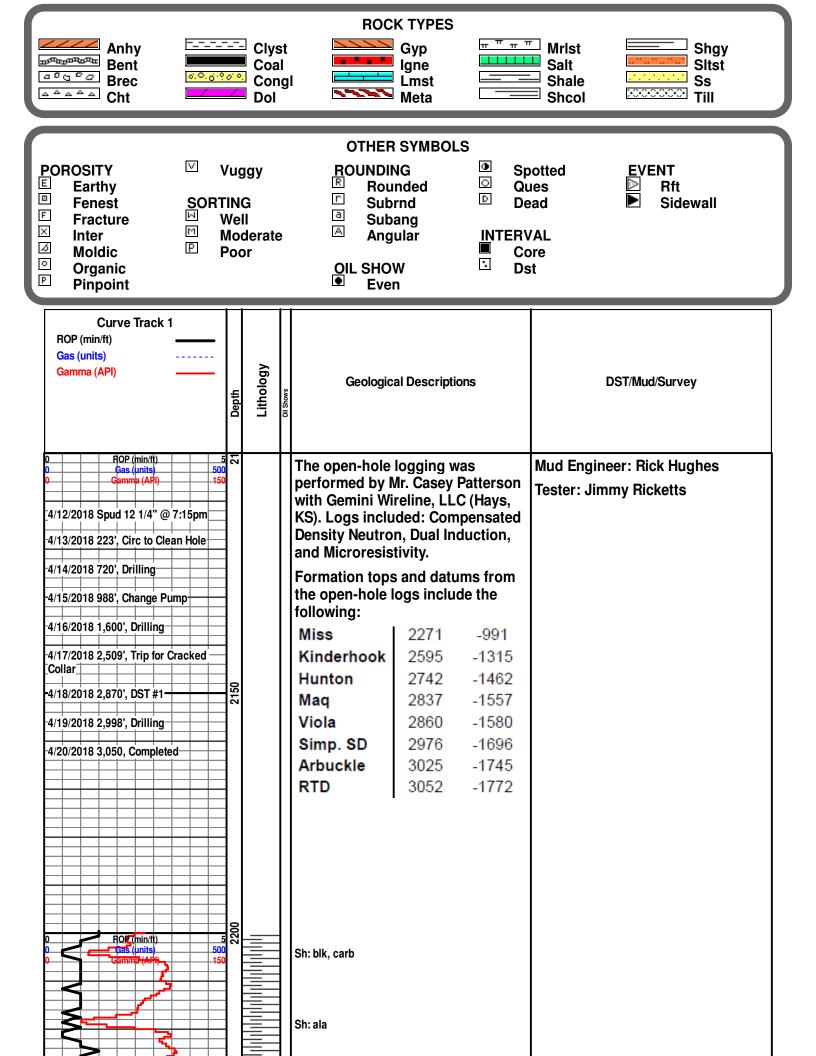
Company: John O. Farmer, Inc. Address: 370 W. Wichita Ave.

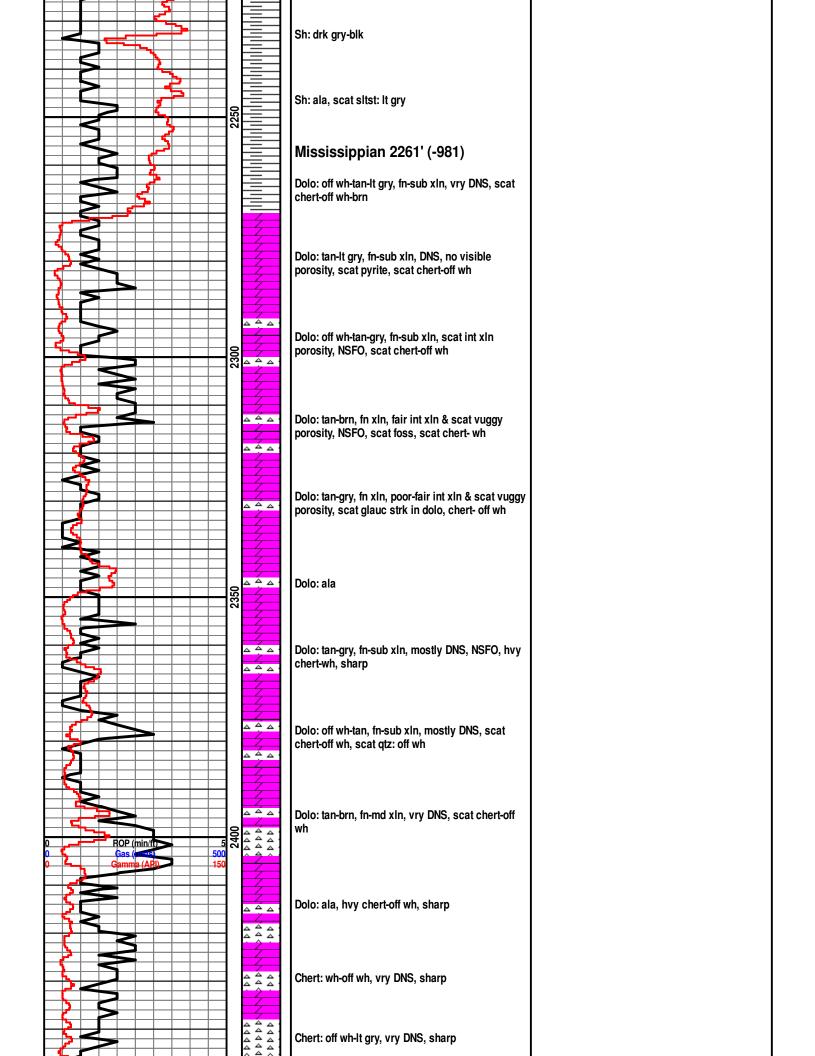
Russell, KS 67665

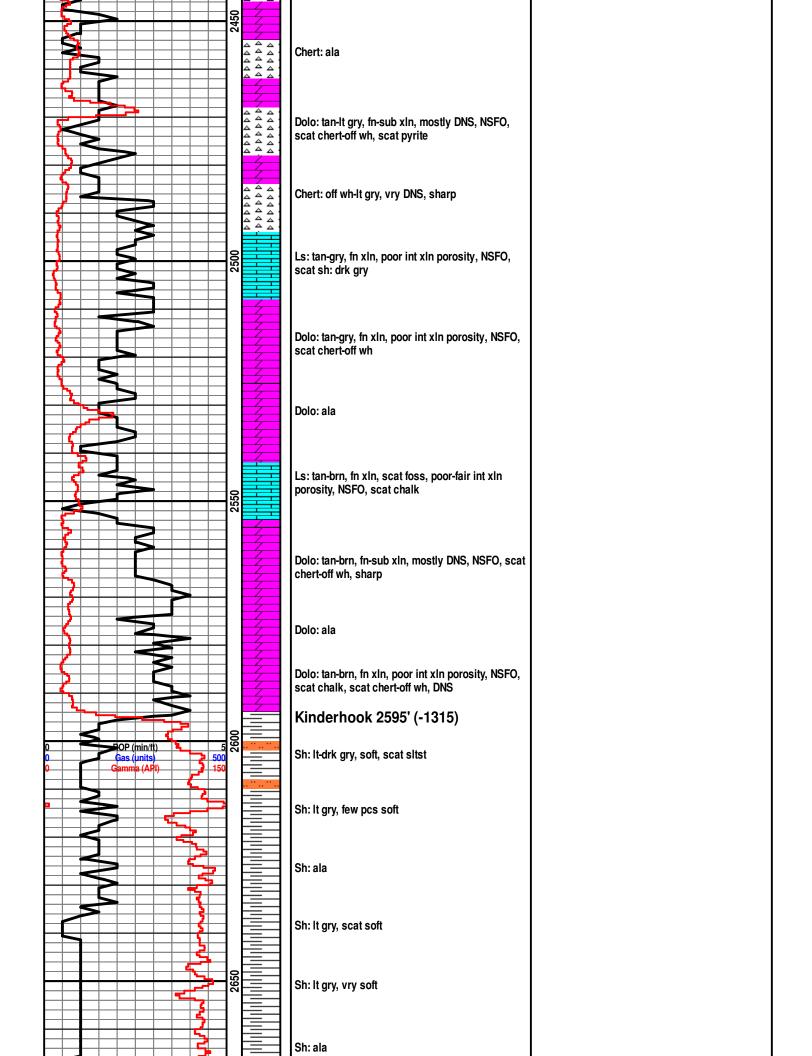
Comments

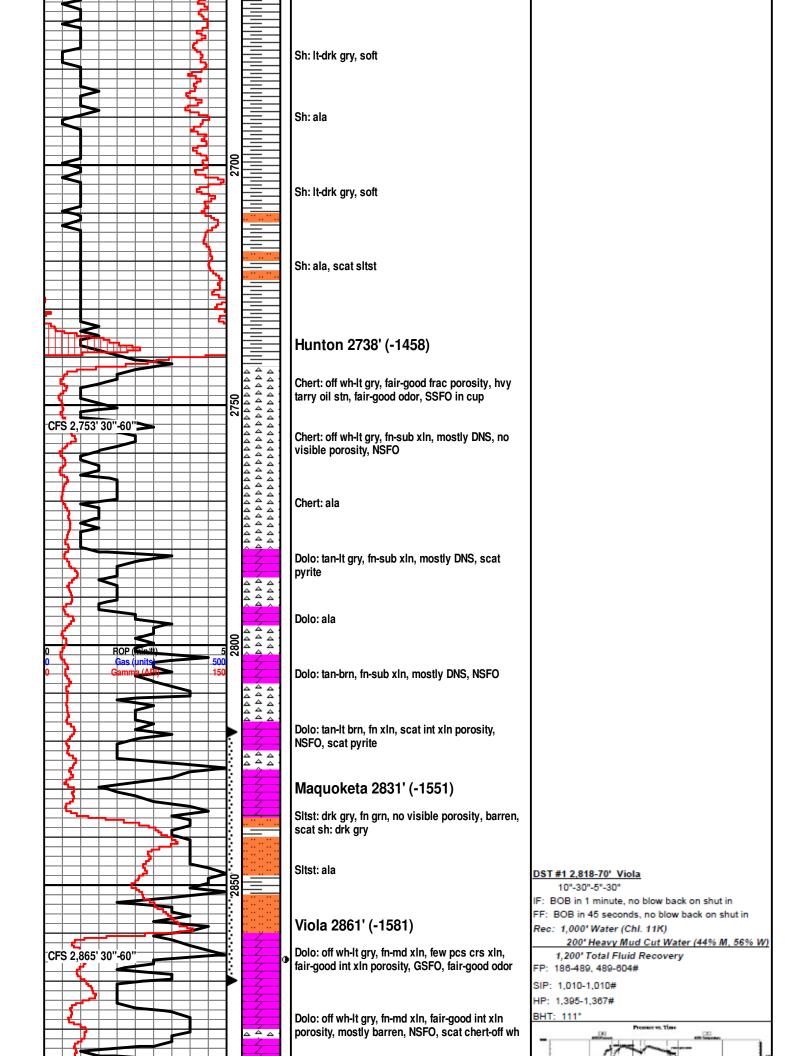
The Preston Unit #1-A well was drilled by Discovery Drilling Rig #2 (Tool Pusher: Terry Wickham).

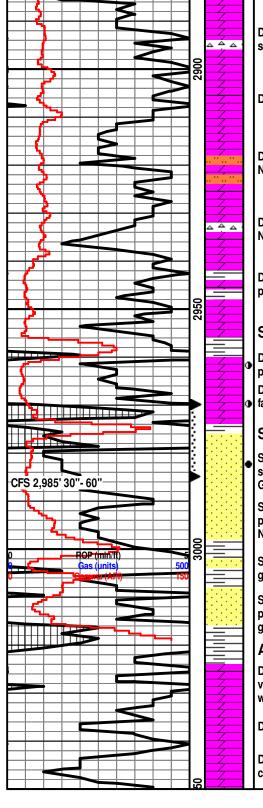
The location for the Preston Unit #1-A was discovered via 3D seismic. Rock samples were gathered and evaluated from 2.200' - 3.050'. Oil shows were encountered in the Hunton. Viola, and Simpson Sand. Structurally, the Mississippian top was picked 5' high to the comparison well, Lewis #1 (Halliburton-Knighton). Structural thinning occurred through the lower Miss, which resulted in a Kinderhoook picked 16' high to the comparison well. Structure remained consistent down to the Simpson Sand, which came in 13' high. After evaluation of all oil shows, drill stem test results, & electric logs, it was decided that 5 1/2" production casing be set to further evaluate the Preston Unit #1-A on 4/20/18.











Dolo: off wh-lt gry, fn-crs xin, mostly DNS, NSFO, scat chert-off wh

Dolo: ala

Dolo: tan-brn, fn-md xln, porr int xln porosity, NSFO, scat sltst

Dolo: tan-brn, fn-md xln, fair int xln porosity, NSFO, scat chert-off wh

Dolo: off wh-tan-brn, fn-md xln, scat int xln porosity, mostly barren, NSFO, scat sh: drk gry

Simpson Dolomite 2958' (1678)

Dolo: off wh-tan-brn, fn-md xln, fair int xln porosity, scat oil in porosity, fnt odor

Dolo: off wh-tan, fn-md xln, poor int xln porosity, fair-good oil sat, GSFO, strong odor

Simpson Sand 2975' (-1695)

Ss: qtz, off wh, fn-md grn, fairly well rnd, poorly sorted, good int grn porosity, friable good oil sat, GSFO, good odor

Ss: qtz, off wh, vry fn-md grn, fairly well rnd, poorly sorted, fair int grn porosity, mostly barren, NSFO

Ss: qtz, off wh, vry fn-md grn, sub ang, poor int grn porosity, NSFO, scat sh: drk gry-grn

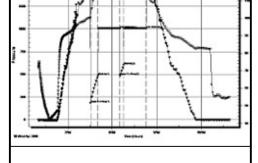
Ss: qtz, off wh, fn-md grn, ang, poor int grn porosity, mostly barren, scat pyrite, scat sh: drk qry-qrn

Arbuckle 3024' (-1744)

Dolo: off wh-tan-brn, fn xln, mostly DNS, no visible porosity, NSFO, scat pyrite, scat chert-off wh

Dolo: ala

Dolo: tan-brn, fn-sub xln, mostly DNS, NSFO, scat chert-off wh



DST #2 2,970-85' (Top 10' of Simpson Sand)

15"-30"-15"-30"

IF: BOB in 10 minutes, no blow back on shut in FF: BOB in 4 minutes, no blow back on shut in

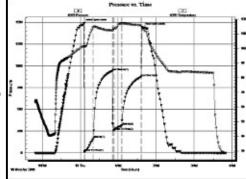
Rec: 390' Clean Oil

50' Oil Cut Mud (13% O, 87% M)

440' Total Fluid Recovery FP: 16-168, 260-316#

SIP: 941-875# HP: 1,484-1,441#

BHT: 113°



Final Survey: 3/4 degree