

# AUSTIN B. KLAUS



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

Well Name: Stranger Valley #1  
Location: Russell County  
License Number: API #15-167-23,960-0000  
Spud Date: 4/8/14  
Surface Coordinates: Section 31, Township 12 South, Range 14 West  
640' FNL & 820' FWL  
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above  
Ground Elevation (ft): 1,809' K.B. Elevation (ft): 1,817'  
Logged Interval (ft): 2,300' To: RTD Total Depth (ft): 3,350'  
Formation: LKC  
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas  
Drilling Completed: 4/15/14

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

## OPERATOR


Company: John O. Farmer, Inc.  
Address: P.O. Box 352  
Russell, KS 67665-0352

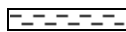



## Comments




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

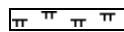

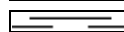
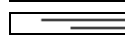
The location for the Stranger Valley #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 2,300'-3,350'. Structurally, the Stranger Valley #1 ran 13' high to our correlation well at the LNSG. Four bottom-hole tests were conducted in the LNSG, all of which yielded negative results. The Arbuckle horizon came in high and in accordance with seismic at (-1453), nice sample shows were encountered in the top 15-20'. Upon completion of the logging operation, two straddle tests were conducted across top 17' and top 24' of the Arbuckle, both yielded negative results. After all sample, log, and drill stem test data was gathered and evaluated, the decision was made to plug and abandon the Stranger Valley #1 well on 4/16/14.

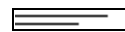



### ROCK TYPES

-  Anhy
-  Bent
-  Brec
-  Cht








-  Clyst
-  Coal
-  Congl
-  Dol

-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol





-  Shgy
-  Sltst
-  Ss
-  Till


### OTHER SYMBOLS

- #### POROSITY
-  Earthy
  -  Fenest
  -  Fracture
  -  Inter
  -  Moldic
  -  Organic
  -  Pinpoint

Vuggy

- #### SORTING
-  Well
  -  Moderate
  -  Poor

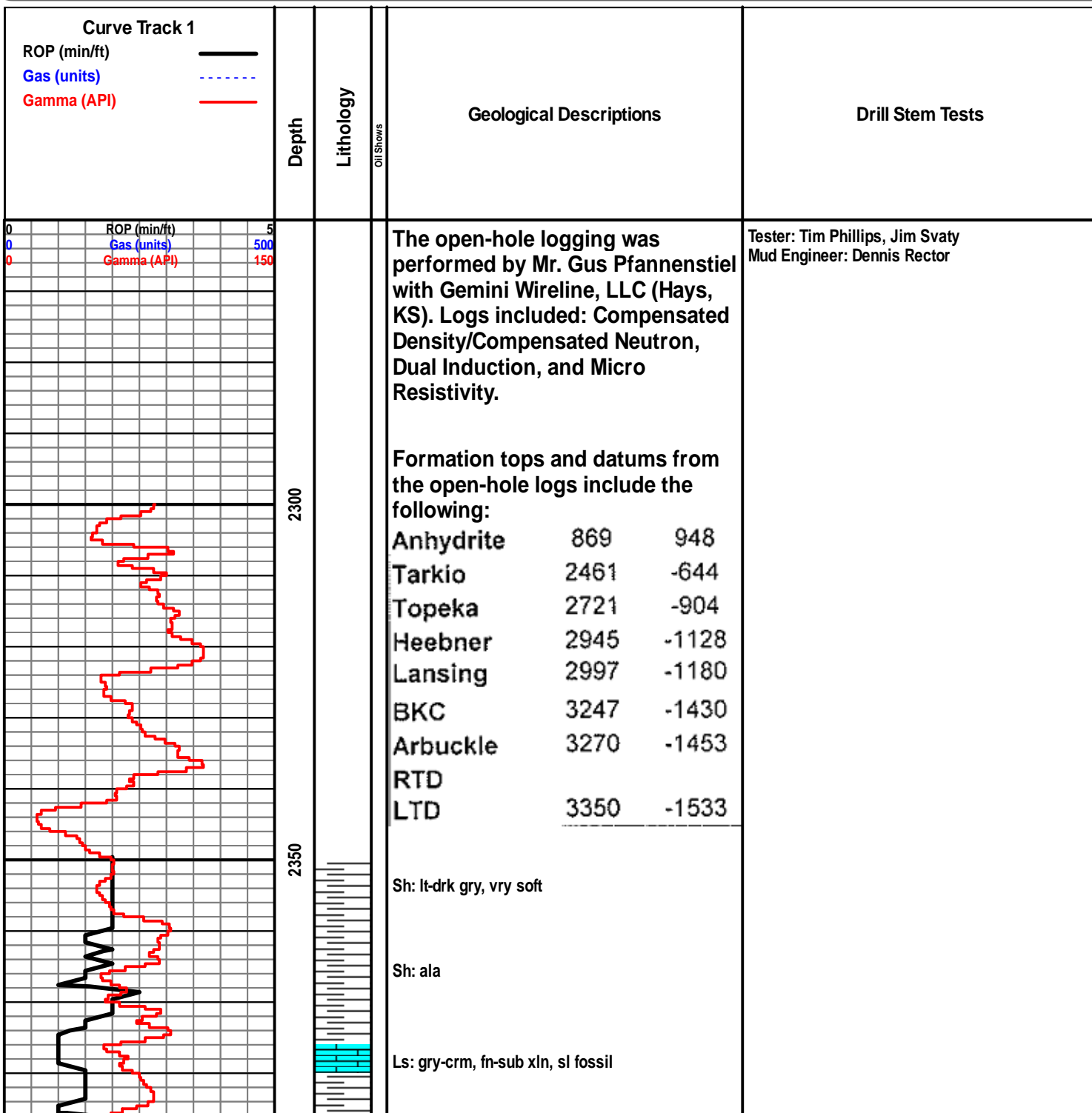
- #### ROUNDING
-  Rounded
  -  Subrnd
  -  Subang
  -  Angular

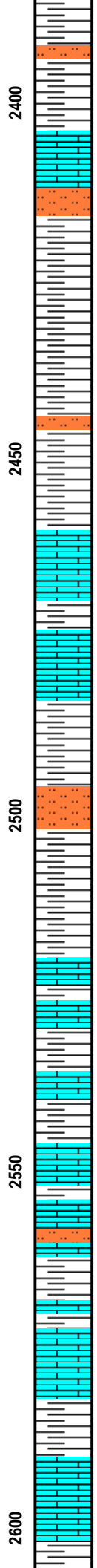
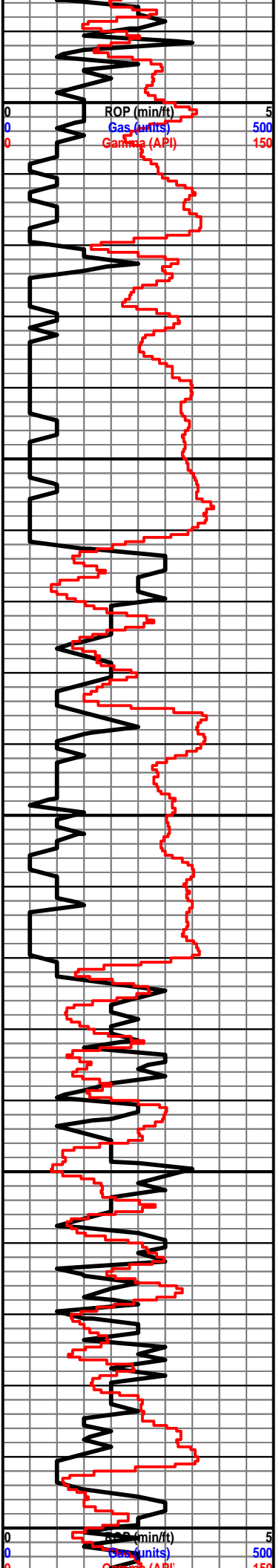
-  Spotted
-  Ques
-  Dead

- #### EVENT
-  Rft
  -  Sidewall

- #### INTERVAL
-  Core
  -  Dst

- #### OIL SHOW
-  Even





Sh: drk gry-brn, vry soft

Sh: ala

Ls: drk gry, fn-sub xln, mostly DNS, fossil, scat: sltst: drk gry

Sh: drk gry, vry soft

Sh: ala

Sh: drk gry-brn, soft

Sh: ala

**Tarkio 2463' (-646)**

Ls: off wh-crm-gry, fn-sub xln, DNS, sl fossil, NSFO

Ls: off wh-crm, fn xln, poor pp porosity, sl fossil, scat sh: drk gry

Ls: ala

Sh: drk gry-brn, soft

Sh: gry-brn-blk

**Elmont 2523' (-706)**

Ls: off wh-tan, fn xln, scat chalk, sl fossil, no visible porosity

Ls: tan-brn, fn-sub xln, mostly DNS, sl fossil

Sh: drk gry-brn

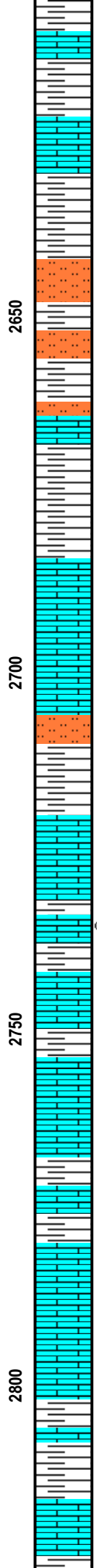
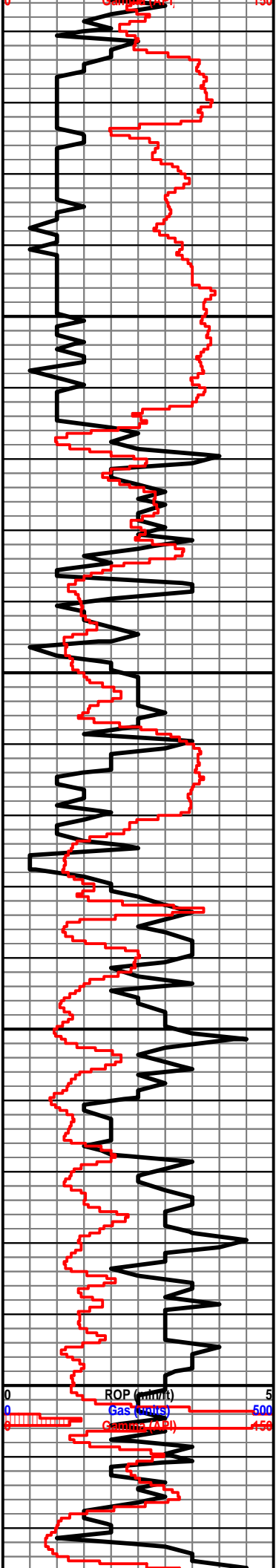
Ls: tan-gry, fn xln, fn xln, scat int xln porosity, fossil, sl chalky, scat sh: gry-brn, soft

Sh: drk gry-brn, scat Ls: lt gry, DNS

Ls: tan-lt gry, fn xln, mostly DNS, fossil

Sh: drk gry-blk

Ls: off wh-tan, fn xln, fossil, poor int xln porosity, sl chalky



Ls: ala, Sh: drk gry, vry soft

Ls: gry-drk gry, fn-sub xln, mostly DNS, sl fossil

Sh: drk gry-brn

Sh: ala, scat sltst: drk gry, vry fn grn

Slst: drk gry, vry fn grn

Slst: ala Sh: drk gry, soft

Sh: drk gry-brn-grn

Ls: tan-lt gry, fn-sub xln, mostly DNS, scat fossil

Ls: ala

Sh: lt-drk gry, scat sltst: vry fn grn, lt gry

Ls: lt-drk gry, fn-sub xln, mostly DNS, scat fossil

**Topeka 2729' (-912)**

Ls: gry-crm, fn-md xln, scat fossil, scat sh: drk gry

Ls: off wh-tan-brn, fn xln, poor int xln & pp vuggy porosity, GSFO, fair odor

Sh: drk gry-brn, vry soft

Ls: gry-drk gry, fn xln, vry poor int xln porosity, scat fossil, sl chalky

Sh: lt-drk gry-brn

Sh: drk gry

Ls: tan-gry, fn-sub xln, mostly DNS, sl fossil, scat pyrite

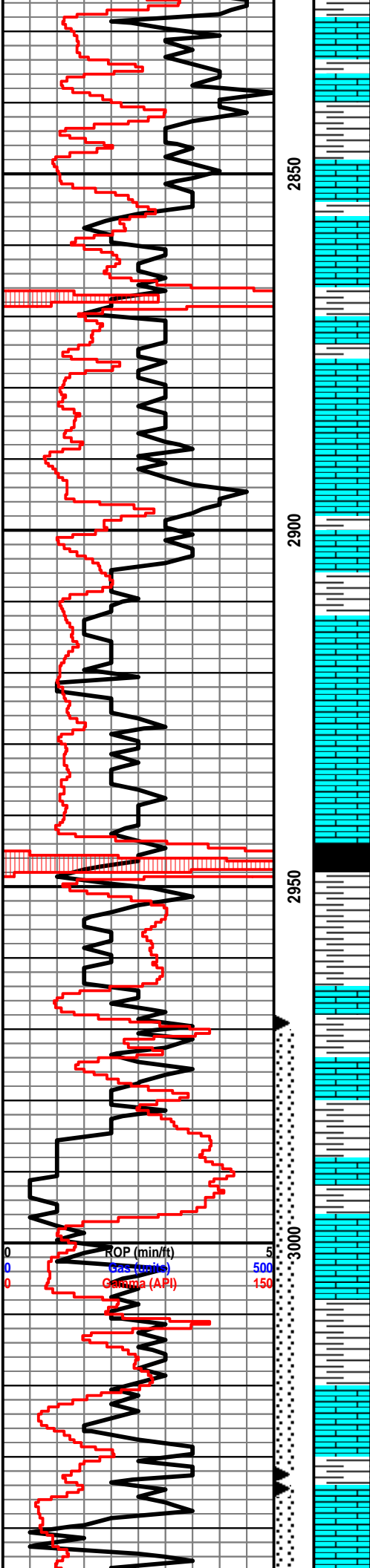
Sh: drk gry-brn-grn

Sh: gry, soft

Ls: lt gry-tan, fn xln, mostly DNS, SFO, vry tite, fair odor

Sh: drk gry, grn, soft

ROP (mm/h) 5  
Gas (cu/ft) 600  
Gamma (API) 450



Sh: drk gry, grn, soft

Ls: off wh-tan, fn-sub xln, DNS, NSFO, scat fossil, chalky

Sh: drk gry-brn-grn, scat pyrite

Ls: ala

Ls: tan-brn-lt gry, fn-sub xln, vry DNS, NSFO, scat fossil, chert

Ls: ala

Ls: tan-gry, fn-sub xln, vry DNS, fossil, chert-off wh

Sh: drk gry-blk

Ls: off wh-tan, fn xln, vry poor pp vuggy porosity, scat oil st, sl odor, chalky, scat chert

Ls: tan-gry, fn-sub xln, mostly DNS, scat chert

### Heebner 2947' (-1130)

Sh: drk gry-blk, carb, fissile

Sh: lt-drk gry-brn, soft

### Toronto 2966' (-1149)

Ls: off wh, fn xln, poor int xln and pp vuggy porosity, scat SFO, sl odor

Ls: off wh, fn-sub xln, scat pp vuggy porosity, NSFO

Sh: gry-grn

Ls: tan-brn, fn-sub xln, mostly DNS, chert-off wh, chalky, scat sh: gry-grn, soft

### Lansing 2999' (-1182)

Ls: off wh-tan, fn xln, poor int xln porosity, lt oil st, faint odor

Sh: drk gry

Sh: drk gry-brn-grn

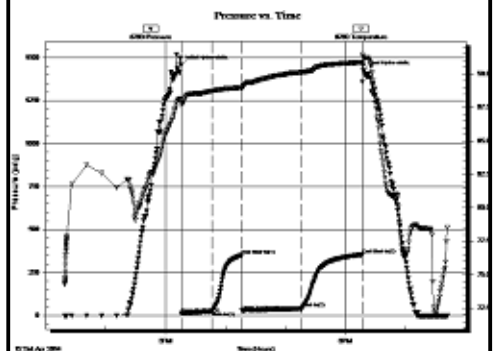
Ls: off wh-tan, fn xln, poor vuggy porosity, lt-fair oil st, SSFO, sl odor, sl fossil, chalky

Sh: drk gry-grn, soft

Ls: off wh-tan, fn-md xln, ool, fair-good oom porosity, fair oil st, SFO, fair-good odor, scat chert-off wh

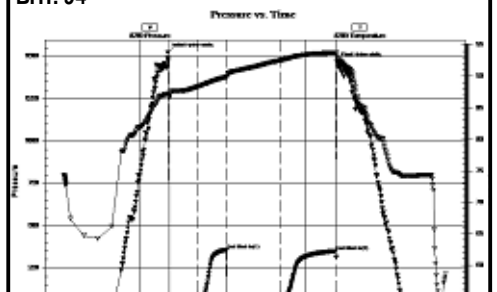
DST #1 2,969'-3,033' (LKC A&B)  
30"-30"-60"-60"

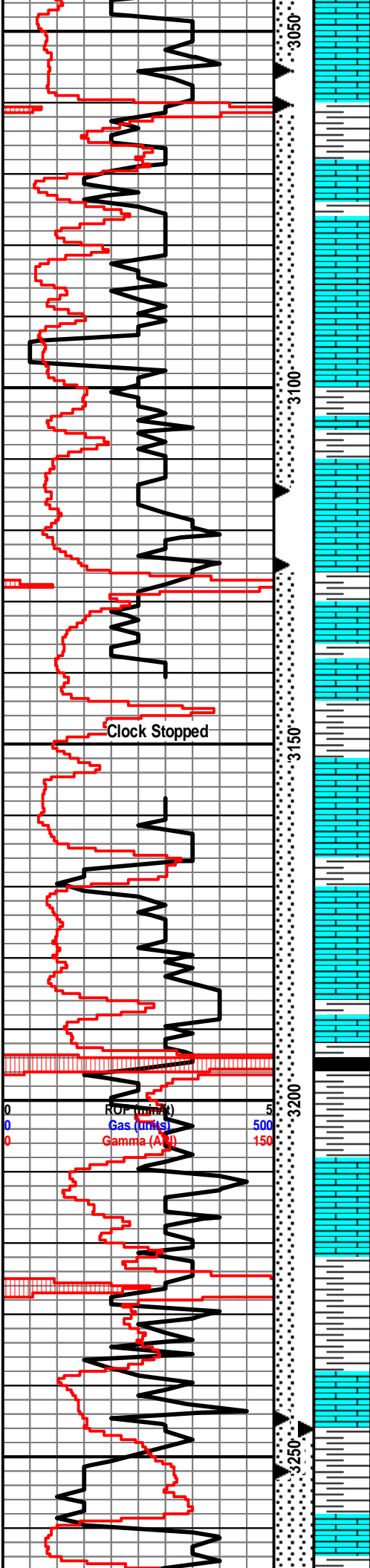
IF: Surface built to 5", no blow back  
FF: Surface built to 4", no blow back  
Rec: 63' Drilling Mud  
FP: 13-26, 30-43#  
SIP: 351-355#  
HP: 1,458-1,423#  
BHT: 91



DST #2 3,035'-3,055' (LKC C)  
30"-30"-60"-60"

IF: Surface built to 2.75", no blow back  
FF: Surface built to 2", no blow back  
Rec: 40' WCM (40% W, 60% M)  
FP: 12-19, 23-31#  
SIP: 357-350#  
HP: 1,522-1,467#  
BHT: 94





Ls: tan-gry, fn xln, poor pp vuggy porosity, lt oil st, VSSFO, tite, scat chert-off wh, chalky

Sh: drk gry-blk

Sh: drk gry-brn-grn

Ls: off wh, fn xln, scat ool, fair ooc porosity, lt oil st, SSFO, no odor, chert-off wh, chalky scat sh: drk gry-grn

Ls: off wh-tan, fn xln, ool, fair oom porosity, sl oil st, sl-fair odor, VSSFO, hvy chert-off wh, fossil

Sh: drk gry-brn

Ls: tan-gry, fn-sub xln, mostly DNS, chert-off wh, fossil, no visible porosity, scat pyrite

Ls: tan-gry, fn-sub xln, mostly DNS, hvy chert-off wh, chalky, NSFO, no visible porosity

Sh: drk gry

Ls: tan-gry, fn-sub xln, vry DNS, chert-off wh, sl chalky, no visible porosity, NSFO

Clock Stopped

Sh: drk gry

Ls: off wh-tan, fn xln, scat int xln and pp vuggy porosity, sl-fair oil st, vry lt odor, NSFO

Sh: drk gry-brn-grn, few pcs soft

Ls: off wh-tan, fn xln, poor pp vuggy porosity, fair oil st in porosity, VSSFO, sl odor, chert-off wh

Ls: tan-lt gry, fn-sub xln, mostly DNS, hvy chert-off wh, chalky

Sh: drk gry-blk, carb, fissile

Sh: drk gry-brn-grn

Ls: off wh-tan, fn xln, ool, scat-poor ooc porosity, lt oil st, VSSFO, sl odor, scat fossil, chalky

Sh: drk gry-blk, few pcs soft

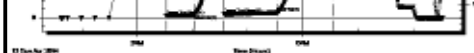
Sh: drk gry

Ls: tan-gry, fn xln, scat int xln porosity, NSFO, scat chert-off wh

**B/KC 3251' (-1434)**

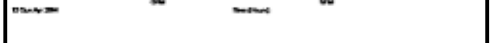
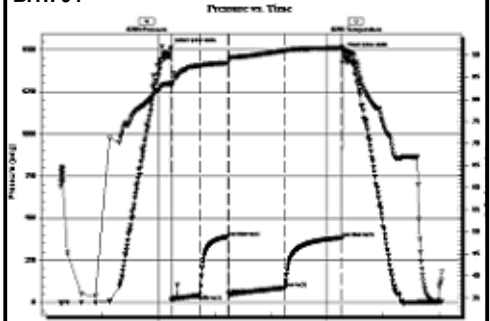
Sh: drk gry-brn-grn

Ls: off wh-tan, fn xln, scat int xln porosity, NSFO, chert-off wh, chalky



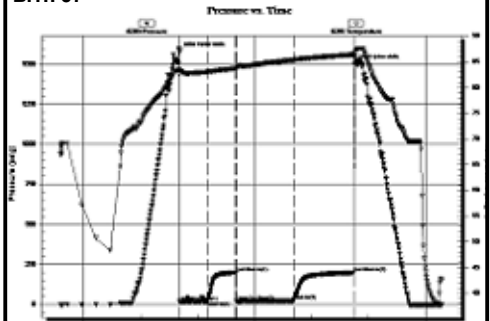
Vis: 54  
Wt: 9.2

DST #3 3,060'-3,115' (LKC E&F)  
30"-30"-60"-60"  
IF: Surface built to 7", no blow back  
FF: Surface built to 6.25", no blow back  
Rec: 130' MCW (30% M, 70% W)  
FP: 15-43, 51-87#  
SIP: 389-382#  
HP: 1,510-1,484#  
BHT: 91



DST #4 3,125'-3,252' (LKC H-L)  
30"-30"-60"-60"

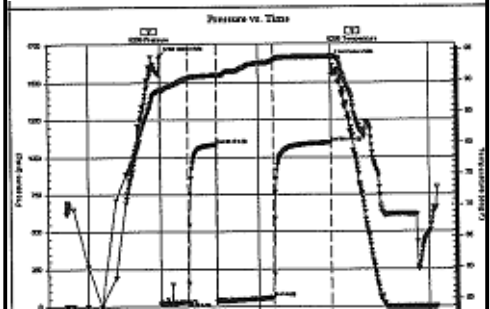
IF: Surface built to 2", no blow back  
FF: Surface built to 1.5", no blow back  
Rec: 30' M  
FP: 17-21, 21-25#  
SIP: 201-199#  
HP: 1,575-1,500#  
BHT: 87



Vis: 58  
Wt: 9.2

DST #5 3,246'-3,287' (Top 17' of Arbuckle)  
30"-30"-60"-60"

IF: Surface built to 5.25", no blow back  
FF: Surface built to 8.5", no blow back  
Rec: 10' CO (22 API), 92' WOCM (2%W, 10%O, 88%M)  
FP: 17-33, 34-60#  
SIP: 1,084-1,097#  
HP: 1,678-1,652#  
BHT: 94



**Arbuckle 3272' (-1455)**

Sh: drk gry-brn-grn, soft  
 Dolo: off wh-brn, fn-md xln, fair sucrosic xln porosity, fair-good oil sat, GSFO, good odor, dull yel fluor, scat chert-off wh  
 Sh: drk gry-grn  
 Dolo: off wh, fn-md xln, fair-good sucrosic xln porosity, fair-good oil sat, FSFO, good odor, dull yel fluor, scat chert-off wh

Dolo: off wh-tan, fn-md xln, poor int xln porosity, lt oil sat, SSFO, fair odor, chalky, scat chert-off wh

Chert: off wh-tan, vry DNS, chalky

Chert: ala

Chert: off wh, vry DNS, chalky, scat sh: drk gry-brn-grn

DST #6 3,245'-3,294' (Top 24' of Arbuckle)  
 30"-30"-30"-30"  
 IF: Surface built to BOB in 5 min, no blow back  
 FF: Surface built to BOB in 5 min, no blow back  
 Rec: 155' OSM (4%O, 96%M), 375' OCWM (3%O, 22%M, 75%W), 313' OCWM (2%O, 5%M, 93%W)  
 FP: 49-240, 242-402#  
 SIP: 1,080-1,072#  
 HP: 1,682-1,580#  
 BHT: 99

