

# AUSTIN B. KLAUS



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

**Well Name:** Hagerman #1  
**Location:** Pawnee County  
**License Number:** API #15-145-21,778-0000  
**Spud Date:** 10/26/14  
**Surface Coordinates:** Section 12 - Township 10 South - Range 17 West  
**Region:** Kansas  
**Drilling Completed:** 10/31/14

**Bottom Hole Vertical well with minimal deviation, same as above**  
**Coordinates:**  
**Ground Elevation (ft):** 2,129'      **K.B. Elevation (ft):** 2,139'  
**Logged Interval (ft):** 3,150      **To:** RTD      **Total Depth (ft):** 3,990'  
**Formation:** LKC, Arbuckle  
**Type of Drilling Fluid:** Chemical (Mud Co.)

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

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

## Comments

The Hagerman #1 well was drilled by Val Energy Rig #6 (Tool Pusher: Randy Martin).

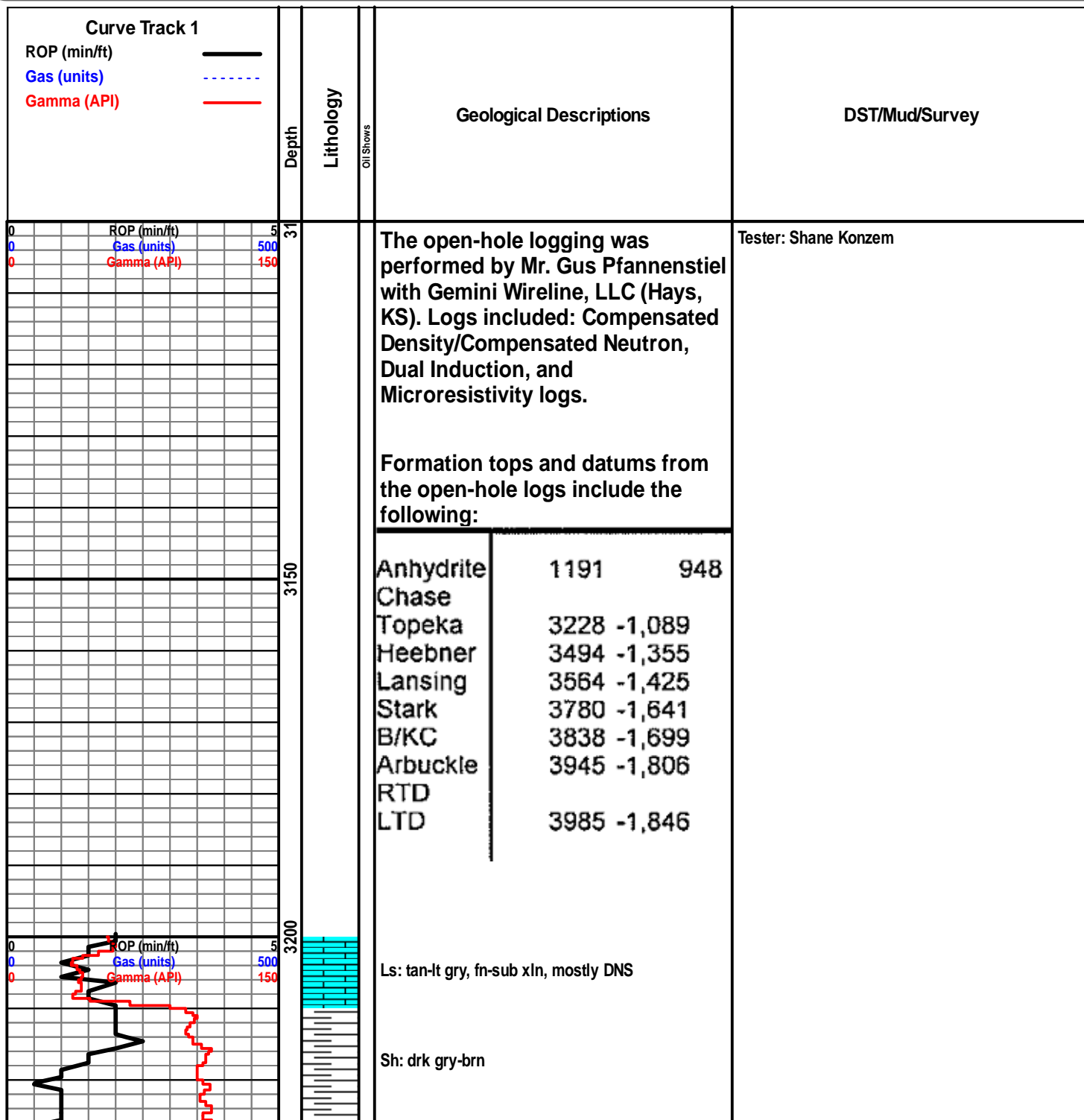
The location for the Hagerman #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 3,150'-3,990'. Structurally, the Hagerman #1 ran 8' high to our correlation well, Hagerman #1-12, at the Lansing. One straddle test was conducted in the Lansing H zone, yielding negative results. The Arbuckle horizon was 8' low to the comparison well. Upon completion of the logging operation and straddle test, the decision was made to plug and abandon the Hagerman #1 well on 10/31/14.

**ROCK TYPES**

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Slstst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

**OTHER SYMBOLS**

<b>POROSITY</b>	<input type="checkbox"/> Vuggy	<b>ROUNDING</b>	<input type="checkbox"/> Spotted	<b>EVENT</b>
<input type="checkbox"/> Earthy		<input type="checkbox"/> Rounded	<input type="checkbox"/> Ques	<input type="checkbox"/> Rft
<input type="checkbox"/> Fenest	<b>SORTING</b>	<input type="checkbox"/> Subrnd	<input type="checkbox"/> Dead	<input type="checkbox"/> Sidewall
<input type="checkbox"/> Fracture	<input type="checkbox"/> Well	<input type="checkbox"/> Subang		
<input type="checkbox"/> Inter	<input type="checkbox"/> Moderate	<input type="checkbox"/> Angular	<b>INTERVAL</b>	
<input type="checkbox"/> Moldic	<input type="checkbox"/> Poor		<input type="checkbox"/> Core	
<input type="checkbox"/> Organic		<b>OIL SHOW</b>	<input type="checkbox"/> Dst	
<input type="checkbox"/> Pinpoint		<input type="checkbox"/> Even		



# Topeka 3234' (-1095)

Ls: tan-lt gry, fn-md xln, mostly DNS, no visible porosity, NSFO

Sh: drk gry

Sh: tan-buff, fn xln, scat int xln porosity, NSFO

Ls: tan-buff, fn xln, no visible porosity, NSFO

Ls: ala

Sh: drk gry

Ls: tan-lt gry, fn-sub xln, no visible porosity, scat fossil, NSFO

Sh: lt gry-drk gry

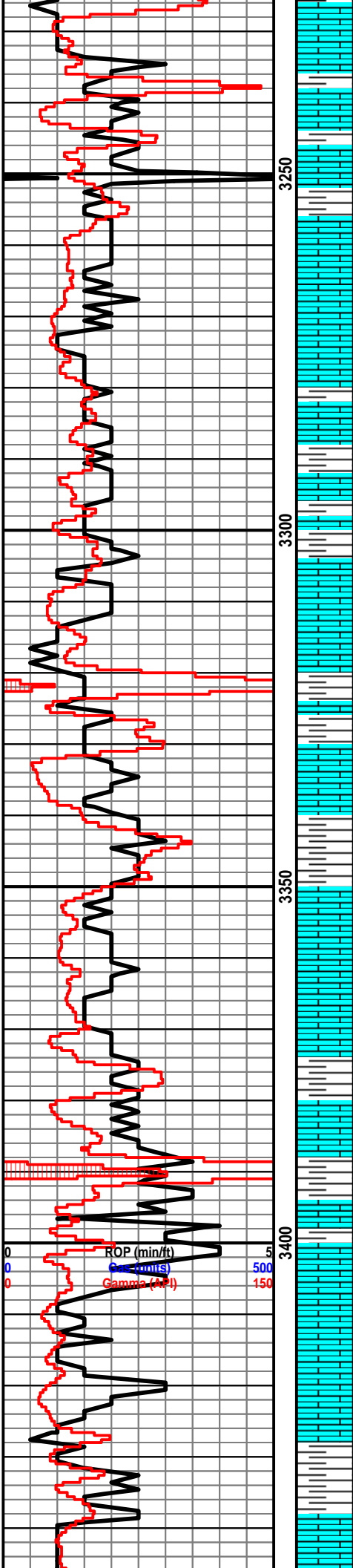
Ls: tan-buff, fn-md xln, scat int xln porosity, scat dead oil st, NSFO, chalky

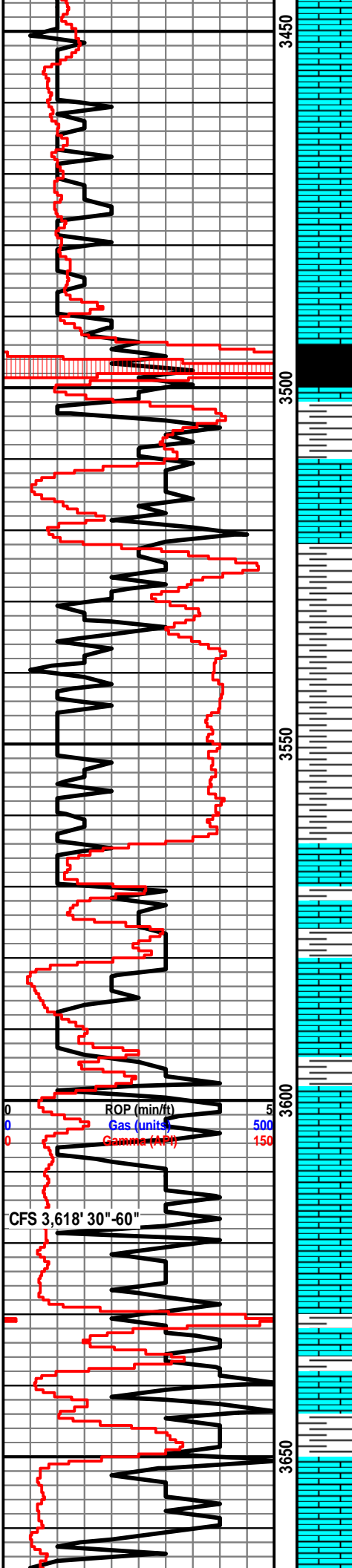
Ls: off wh-tan, fn xln, scat pp vuggy porosity, NSFO, scat fossil

Sh: drk gry-brn

Ls: off wh-tan, fn xln, scat int xln porosity, scat oil st, NSFO, sl chalky

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





Ls: ala

Sh: drk gry

Ls: off wh-tan, fn-md xln, scat int xln & pp vuggy porosity, NSFO

**Heebner 3501' (-1362)**

Sh: blk, carb, fissile

Sh: drk gry-brn-grn, soft

**Toronto 3520' (-1381)**

Ls: off wh-tan, fn xln, vry poor int xln porosity, scat oil st, NSFO

Sh: drk gry-brn

Sh: gry-brn-grn, soft

Sh: ala

**Lansing 3571' (-1432)**

Ls: off wh-tan, fn-md xln, mostly DNS, no visible porosity, scat chalky

Sh: gry

Ls: off wh-tan, fn xln, ool, fair ool porosity, mostly barren, NSFO, chalky

Sh: drk gry

Ls: off wh-tan, fn xln, scat ool, poor int xln & ool porosity, barren, NSFO, chalky

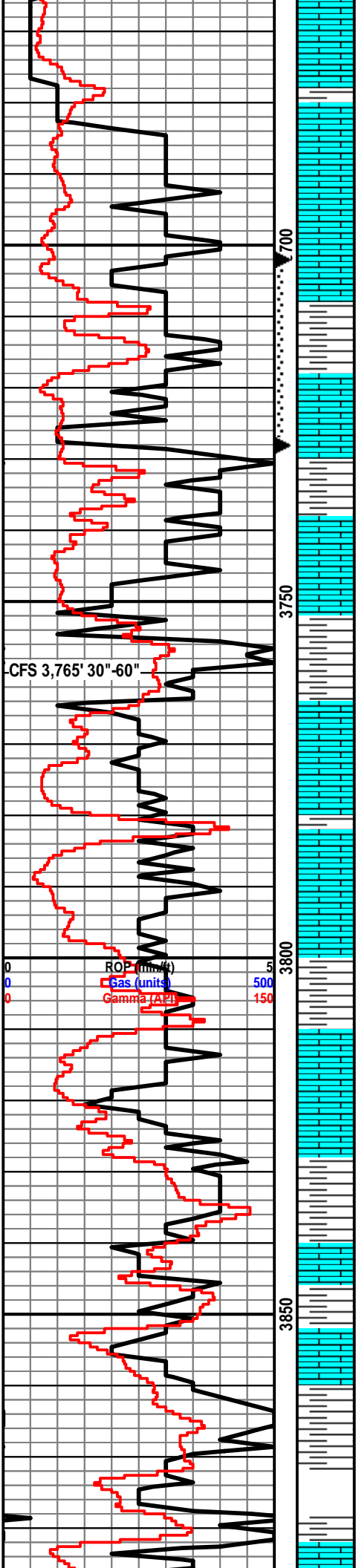
CFS 3,618' 30"-60"

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

Sh: lt gry-drk gry

Ls: off wh-tan, fn-md xln, scat int xln porosity, fossil, NSFO

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



Ls: off wh-tan, fn xln, ool, fair oom porosity, mostly barren, NSFO, scat chalky

Ls: off wh-lt gry, fn-md xln, vry DNS, no visible porosity, NSFO

Ls: tan-lt gry, fn-md xln, vry DNS, NSFO, chalky, scat chert-off wh

Ls: ala

Sh: drk gry

Ls: tan-lt gry, fn xln, poor int xln porosiy, VSSFO, chert-off wh

Sh: lt gry-drk gry

Ls: off wh-tan, fn xln, fossil, scat int xln & int fossil porosity, mostly barren, NSFO, scat chert-off wh

Sh: drk gry-brn-grn

Ls: off wh-tan, fn xln, scat int xln porosity, mostly barren, NSFO, scat fossil, chalky

Sh: gry

Ls: off wh-tan, fn xln, ool, poor oom porosity, mostly barren, scat chert-off wh, sl chalky

Sh: drk gry

Ls: tan-lt gry, fn-md xln, vry DNS, no visible porosity, chert-off wh

**BKC 3834' (-1695)**

Sh: drk gry-brn-grn, soft

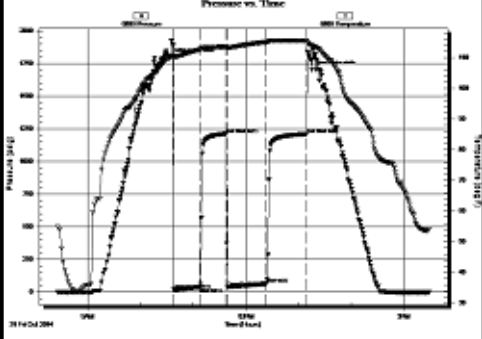
Sh: drk gry, vry soft

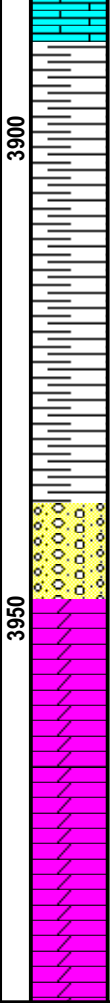
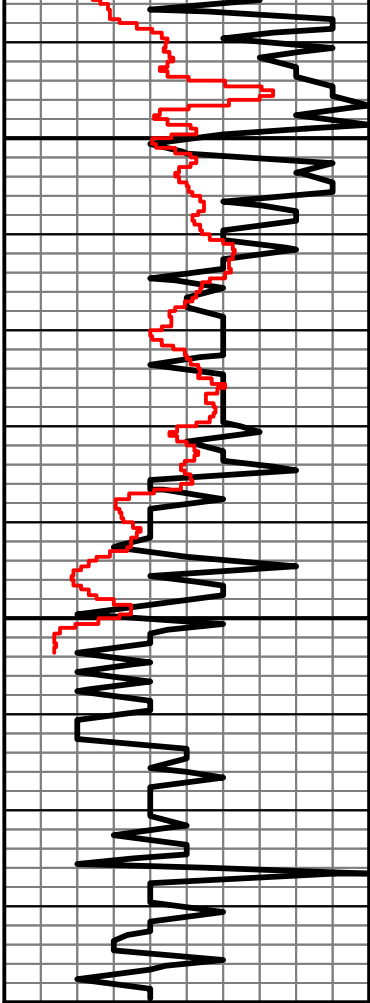
Ls: tan-brn, fn-md xln, vry DNS, no visible porosity, hvy chert-off wh

Ls: ala, scat sh: drk gry-brn, soft

Sh: drk gry-brn-rd, soft

**DST #1 3,702-3,728' (Lansing H Zone)**  
 30"-30"-45"-45"  
 IF: Surface built to 2 1/2", no blow back  
 FF: Surface built to 2", no blow back  
 Rec: 70' MW (40% M, 60% Water) - CL 26k  
 FP: 21-28-41-66#  
 SIP: 1,212-1,209#  
 HP: 1,796-1,700#  
 BHT: 116





Ls: tan-lt gry, fn-md xln, vry DNS, NSFO, chert-off wh

Sh: drk gry-brn-rd

Sh: drk gry-brn-rd, soft

Sh: ala

Cong: off wh-tan, fn xln, mostly DNS, scat chert-off wh

**Arbuckle 3948' (-1809)**

Dolo: off wh-tan, fn-md xln, poor int xln porosity, mostly barren, NSFO, scat chert-off wh, chalky

Dolo: ala