

# 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: Weigel Unit #1  
Location: Rooks County  
License Number: API #15-163-24,273-0000  
Spud Date: 11/8/14  
Surface Coordinates: Section 36 - Township 8 South - Range 8 West  
620' FNL 115' FWL  
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above  
Ground Elevation (ft): 2,022' K.B. Elevation (ft): 2,027'  
Logged Interval (ft): 2,900' To: RTD Total Depth (ft): 3,540'  
Formation: LKC, Arbuckle  
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas  
Drilling Completed: 11/13/14

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

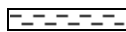



## Comments




The Weigel Unit #1 well was drilled by WW Rig #6 (Tool Pusher: Mark Biggie).

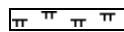

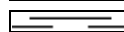
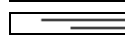
The location for the Weigel Unit #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 2,900'-3,540'. Structurally, the Weigel Unit #1 ran 6' high to our correlation well, Russ #1, at the Lansing. A bottom-hole test was conducted (Lansing H-K), yielding negative results. The Arbuckle horizon was picked 41' high to the comparison well. Upon completion of the logging operation two straddle tests were conducted in the Arbuckle, yielding negative results. Upon completion of the drill stem tests, the decision was made to plug and abandon the Weigel Unit #1 well on 11/14/14.

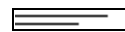



**ROCK TYPES**

-  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

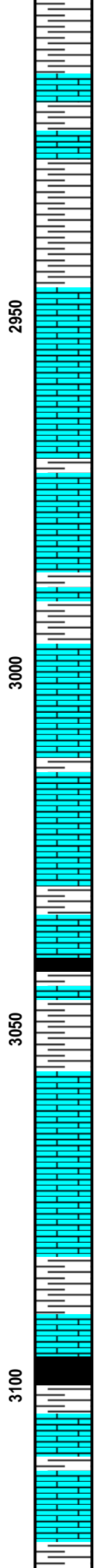
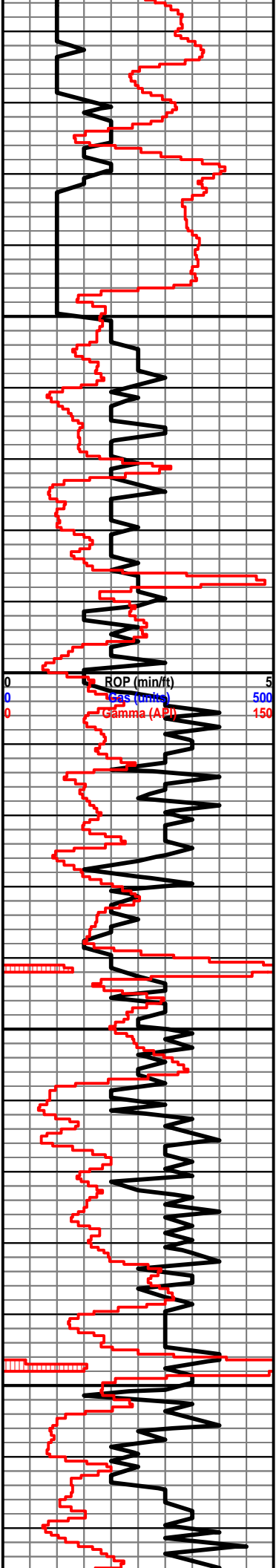
-  Spotted
-  Ques
-  Dead

- EVENT**
-  Rft
  -  Sidewall

- INTERVAL**
-  Core
  -  Dst

- OIL SHOW**
-  Even

Curve Track 1	Depth	Lithology	Geological Descriptions	DST/Mud/Survey																														
ROP (min/ft) ——— Gas (units) - - - - - Gamma (API) ———																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">0</td> <td style="width: 15%;">ROP (min/ft)</td> <td style="width: 5%;">5</td> </tr> <tr> <td>0</td> <td>Gas (units)</td> <td>500</td> </tr> <tr> <td>0</td> <td>Gamma (API)</td> <td>150</td> </tr> </table>	0	ROP (min/ft)	5	0	Gas (units)	500	0	Gamma (API)	150	2800		The open-hole logging was performed by Mr. Gus Pfannenstiel with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density/Compensated Neutron, Dual Induction, and Microresistivity logs.	Tester: Ray Schwager																					
0	ROP (min/ft)	5																																
0	Gas (units)	500																																
0	Gamma (API)	150																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">0</td> <td style="width: 15%;">ROP (min/ft)</td> <td style="width: 5%;">5</td> </tr> <tr> <td>0</td> <td>Gas (units)</td> <td>500</td> </tr> <tr> <td>0</td> <td>Gamma (API)</td> <td>150</td> </tr> </table>	0	ROP (min/ft)	5	0	Gas (units)	500	0	Gamma (API)	150	2850																								
0	ROP (min/ft)	5																																
0	Gas (units)	500																																
0	Gamma (API)	150																																
			Formation tops and datums from the open-hole logs include the following:																															
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Anhydrite</td> <td style="width: 20%;">1360</td> <td style="width: 40%;">667</td> </tr> <tr> <td>Topeka</td> <td>2946</td> <td>-919</td> </tr> <tr> <td>Heebner</td> <td>3157</td> <td>-1130</td> </tr> <tr> <td>Toronto</td> <td>3180</td> <td>-1153</td> </tr> <tr> <td>Lansing</td> <td>3198</td> <td>-1171</td> </tr> <tr> <td>B/KC</td> <td>3419</td> <td>-1392</td> </tr> <tr> <td>Arbuckle</td> <td>3451</td> <td>-1424</td> </tr> <tr> <td>Reagan</td> <td></td> <td></td> </tr> <tr> <td>RTD</td> <td></td> <td></td> </tr> <tr> <td>LTD</td> <td>3537</td> <td>-1510</td> </tr> </table>	Anhydrite	1360	667	Topeka	2946	-919	Heebner	3157	-1130	Toronto	3180	-1153	Lansing	3198	-1171	B/KC	3419	-1392	Arbuckle	3451	-1424	Reagan			RTD			LTD	3537	-1510	
Anhydrite	1360	667																																
Topeka	2946	-919																																
Heebner	3157	-1130																																
Toronto	3180	-1153																																
Lansing	3198	-1171																																
B/KC	3419	-1392																																
Arbuckle	3451	-1424																																
Reagan																																		
RTD																																		
LTD	3537	-1510																																
	2900																																	



Ls: ala

Sh: drk gry

**Topeka 2950' (-923)**

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

Sh: lt gry

Ls: off wh-tan, fn xln, scat int xln porosity, NSFO, no odor, scat fossil

Sh: lt gry-drk gry

Ls: tan-gry, fn-sub xln, mostly DNS, no visible porosity, scat chalk

Sh: lt gry-drk gry

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

Sh: drk gry-blk

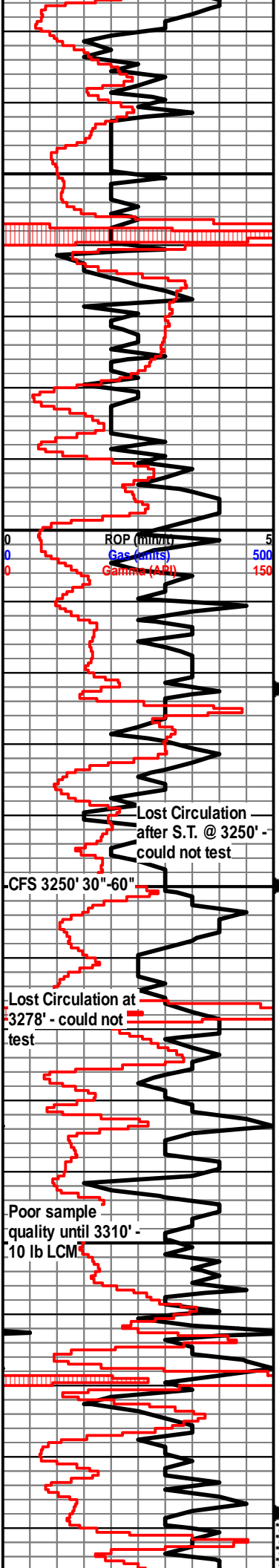
Ls: tan-lt gry, fn xln, scat int xln porosity, chalky, scat fossil

Ls: ala

Ls: tan-lt gry, fn xln, poor pp vuggy porosity, scat chert-off wh

Sh: drk gry-blk, carb

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



Sh: drk gry

Ls: off wh-tan, fn xln, scat int xln & pp vuggy porosity, scat oil st, SSFO, sl odor

**Heebner 3161' (-1134)**

Sh: blk, carb, fissile

Sh: drk gry-brn

**Toronto 3184' (-1157)**

Ls: off wh-tan, fn xln, scat pp vuggy porosity, scat dead oil st, NSFO, no odor

Sh: lt gry-drk gry

**Lansing 3204' (-1177)**

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

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

Sh: drk gry

Ls: off wh-tan, fn xln, poor int xln porosity, scat oil sat, SSFO, sl odor

Sh: drk gry-blk

Ls: off wh-tan, fn xln, fossil, poor int xln porosity, DNS, NSFO

Sh: drk gry-blk

Sh: lt gry-drk gry-brn

Ls: off wh-tan, fn xln, scat int xln & pp vuggy porosity, scat oil st, VSSFO, sl odor

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

Sh: drk gry

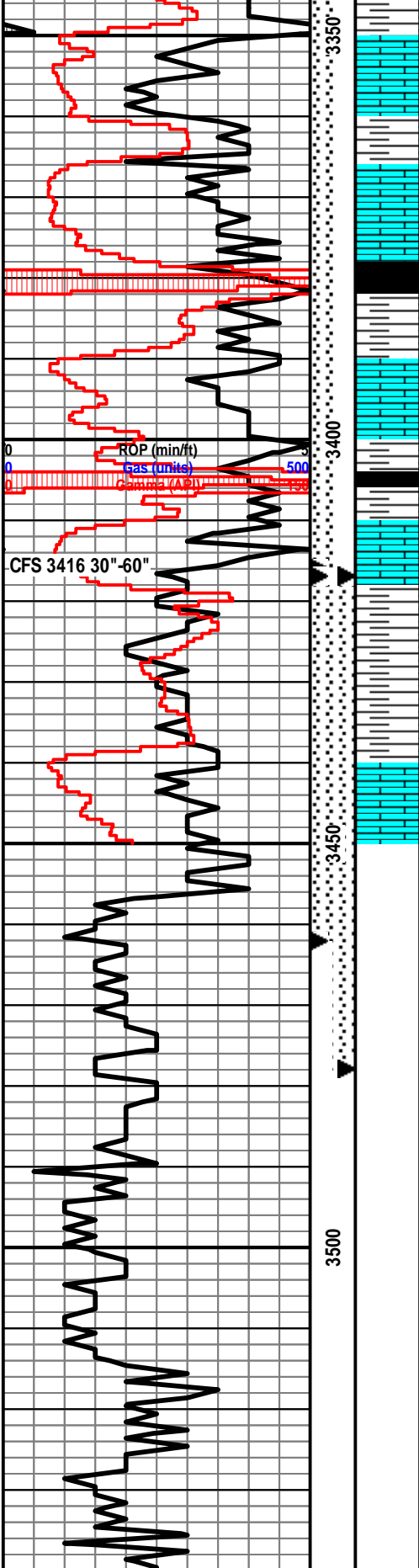
Sh: drk gry-blk

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

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

Sh: drk arv

DST #1 3,338-3,416' (Lansing H-K)  
 30"-30"-60"-60"  
 IF: BOB in 15 minutes, no blow back  
 FF: weak blow built to 8"  
 Rec: 375' Water (Chl 52k)  
 60' Muddy Water (25% M, 75% Water)  
 FP-35-138-140-221#  
 SIP: 295-293#  
 HP: 1,614-1,557#  
 BHT: 99



Ls: off wh-tan, fn xln, fair int xln porosity, fair oil sat, SSFO, fair odor, scat chert-off wh, chalky

Ls: off wh-tan, fn xln, scat fossil, poor-fair int xln porosity, sl-fair oil sat, SSFO, sl odor, chalky

Sh: drk gry

Sh: drk gry-blk

Ls: off wh-tan, fn xln, scat int xln porosity, sl oil sat, NSFO, no odor

Sh: drk gry

Ls: off wh-tan, fn xln, poor int xln porosity, NSFO

ROP (min/ft)  
Gas (units)  
Gamma Ray (API)

CFS 3416 30"-60"

**BKC 3423' (1396)**

Sh: drk gry-brn

Sh: lt gry-drk gry-brn

Ls: tan-brn, fn-md xln, scat int xln porosity, scat oil st, NSFO

**Arbuckle 3455' (-1428)**

Dolo: off wh-tan, fn-md xln, fair sucrosic xln porosity, fair oil sat, SSFO, sl-fair odor

Dolo: off wh-tan, fn-md xln, poor-fair int xln porosity, fair-good oil sat, SSFO, fair odor, hvy chert-off wh

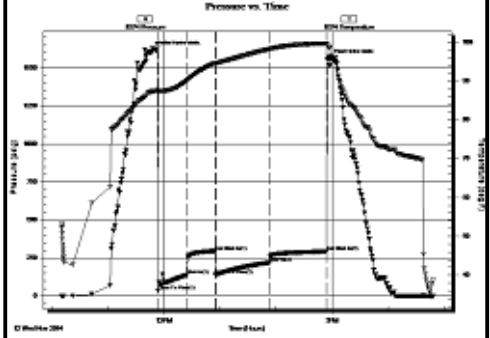
Dolo: off wh-lt brn, md xln, poor-fair int xln porosity, fair oil sat, SSFO, fair odor,

Dolo: off wh-tan, fn-crs xln, ool, poor int xln & oom porosity, fair oil sat, VSSFO, sl-fair odor

Dolo: off wh-tan, fn-crs xln, poor int xln porosity, scat oil st, NSFO, no odor

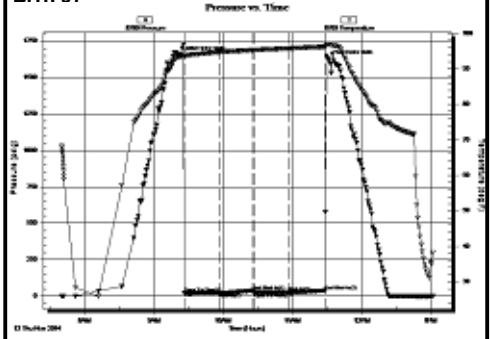
Dolo: ala

Dolo: off wh-tan, fn-md xln, poor int xln porosity, hvy chert-off wh, NSFO



**DST #2 3,417-3,462' (Top 11' Arbuckle)**  
30"-30"-30"-30"

IF: weak blow built to 1/2"  
FF: no blow  
Rec: 20' Mud  
FP: 22-22, 23-25#  
SIP: 38-38#  
HP: 1,651-1,623#  
BHT: 97



**DST #3 3,417-3,478' (Top 27' Arbuckle)**  
30"-30"-30"-30"

IF: weak blow built to 1/4"  
FF: no blow  
Rec: 5' Mud with oil show  
FP: 27-30, 31-33#  
SIP: 118-105#  
HP: 1,690-1,619#  
BHT: 97

