

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	NIELSEN 2
Doc ID	1606497

All Electric Logs Run

Compensated Density Neutron
Micro Resistivity
Dual Induction
Cement Bond Log

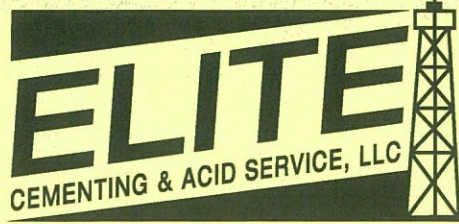
Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	NIELSEN 2
Doc ID	1606497

Tops

Name	Top	Datum
Mississippi	2426	(-1104)
Kinderhook	2792	(-1470)
Hunton	2934	(-1612)
Maquoketa	2940	(-1618)
Viola	3020	(-1698)
Simpson Sand	3131	(-1809)
Arbuckle	3176	(-1854)
L.T.D.	3250	(-1928)



810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (605) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **5912**  
 Foreman David Gardner  
 Camp Eureka

API# 15-111-20557

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
9-16-21	1277	Nielsen #2	25	16 S.	10 E.	Lyon	KS	
Customer <u>John O. Farmer, Inc.</u>			Safety Meeting <u>DG</u> <u>JH</u> <u>RIM</u>		Unit # <u>105</u>	Driver <u>Jason</u>	Unit # <u>115</u>	Driver <u>Russ</u>
Mailing Address <u>P.O. Box 352</u>								
City <u>Russell</u>		State <u>KS</u>	Zip Code <u>67665-0352</u>					

Job Type Surface Hole Depth 222' K.B. Slurry Vol. 30 Bbl Tubing \_\_\_\_\_  
 Casing Depth 203.82' G.L. Hole Size 12 1/4" Slurry Wt. 15# Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 8 5/8" 23# Cement Left in Casing 15' 1/2" Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 13 Bbl Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM \_\_\_\_\_

Remarks: Safety Meeting: Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 125 sks Class A Cement w/ 3% Cacl2, 2% Gel, 1/4" Floseal/sk @ 15#/gal, yield 1.35 = 30 Bbl slurry Displace w/ 13 Bbl fresh water. Shut down. Close casing in. Good cement returns to surface = 6 Bbl slurry to pit. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	890.00	890.00
C107	65	Mileage	4.20	273.00
C200	125 SKS	Class A Cement	17.95	2168.75
C205	350#	Cacl2 3%	.69	241.50
C206	235#	Gel 2%	.28	65.80
C209	30#	floseal 1/4"/sk	2.60	78.00
C108B	5.87 Tons	Ton Mileage - Bulk Truck	1.40	534.17
<u>Thank You</u>			Sub Total	4,251.22
			Less 5%	222.14
			Sales Tax	191.55

Authorization by Charlie Coulter Title Lighthouse Drly - Tail Raiser Total 4,220.63

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**ement or Acid Field Report**  
 Ticket No. **5905**  
 Foreman Kevin McCoy  
 Camp EUREKA

API # 15-111-20557

Date	Cust. ID #	Lease & Well Number		Section	Township	Range	County	State
9-20-21	1277	Nielsen #2		25	16S	10E	LYON	Ks
Customer				Safety Meeting	Unit #	Driver	Unit #	Driver
John O. Farmer, Inc.				Km AM SF SM	104	ALAN M.		
Mailing Address					110	SHANNON F.		
P.O. Box 352					145	Steve M.		
City	State	Zip Code						
Russell	Ks	67665						

Job Type Longstring Hole Depth 3250' K.B. Slurry Vol. 41 BBL <sup>Production</sup> CASING Tubing \_\_\_\_\_  
 Casing Depth 3247' K.B. Hole Size 7 7/8 Slurry Wt. 13.8 # Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 5 1/2" 15.50 # Cement Left in Casing 5J 27' Water Gal/SK 9.0 Other \_\_\_\_\_  
 Displacement 78 BBL Displacement PSI 850 Bump Plug to 1400 PSI BPM \_\_\_\_\_

Remarks: SAFETY Meeting: 5 1/2" 15.50 # CASING Set @ 3247'. Rig up to 5 1/2 CASING. BREAK CIRCULATION w/ 10 BBL KCL water flush, 5 BBL water SPACER. Mixed 125 SKS THICK Set Cement w/ 5 # Kol-Seal /SK 1 # PhenoSeal /SK @ 13.8 #/GAL yield 1.85 = 41 BBL Slurry. wash out Pump & Lines, shut down. Release Latch down Plug. Displace Plug to Seat w/ 78 BBL Fresh water. FINAL Pumping Pressure 850 PSI. Bump Plug to 1400 PSI. wait 2 mins. Release Pressure. Float & Plug Held. Good Circulation while Cementing. Job Complete. Rig down

Plug R.H. & M.H.  
CENTRALIZERS ON #1,3,5,7,10 BASKET ON TOP OF #10

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1100.00	1100.00
C 107	60	Mileage	4.20	252.00
C 201	175 SKS	THICK Set Cement	22.55	3946.25
C 207	875 #	KOL-SEAL 5#/SK	.52 #	455.00
C 208	175 #	PhenoSeal 1#/SK	1.45 #	253.75
C 108 B	9.63 TONS	Ton Mileage 60 miles	1.40	808.92
C 113	4 HRS	80 BBL VAC TRUCK	90.00	360.00
C 224	3300 gals	CITY WATER	11.00/1000	36.30
C 421	1	5 1/2 LATCH DOWN PLUG	266.00	266.00
C 691	1	5 1/2 Guide Shoe	193.00	193.00
C 703	1	5 1/2 AFU INSERT Flapper Valve w/ Latch down	167.00	167.00
C 604	1	5 1/2 Cement BASKET	260.00	260.00
C 504	5	5 1/2 x 7 7/8 CENTRALIZERS	55.00	275.00
C 222	1 GAL	KCL	30.00	30.00
			Sub Total	8403.22
			Less 5%	(420.16)
			Sales Tax	441.17
			<b>Total</b>	<b>8424.23</b>

THANK YOU  
 -A-

Authorization Mr Wenzel

Title \_\_\_\_\_

Total 8402.70

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



# 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:** Nielsen #2  
**API:** 15-111-20557-0000  
**Location:** Lyon County  
**License Number:**  
**Spud Date:** 09/16/2021  
**Surface Coordinates:** Section 25 - Township 16S - Range 10 East  
200' FSL & 1000' FWL  
**Bottom Hole Coordinates:** Vertical well w/ minimal deviation, same as above  
**Ground Elevation (ft):** 1,310  
**Logged Interval (ft):** 2,700  
**Formation:** Mississippian - Arbuckle  
**Type of Drilling Fluid:** Chemical (Lighthouse Drilling)

**Region:** Kansas  
**Drilling Completed:** 9/19/2021  
**K.B. Elevation (ft):** 1,322  
**Total Depth (ft):** 3,250  
**To:** RTD

Printed by StripLog 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 Nielsen #2 was drilled by Lighthouse Drilling Rig #1 (Tool Pusher: Charlie Coulter).

The Nielsen #2 was drilled for purposes of salt-water disposal. Drilling time was recorded and rock samples were gathered and evaluated from 2,750' - 3,250'. Electric logs were run to evaluate and identify producing/disposal zones. After completion of the logging operation, 5-1/2" casing was set on the Nielsen #2 on September 20, 2021.



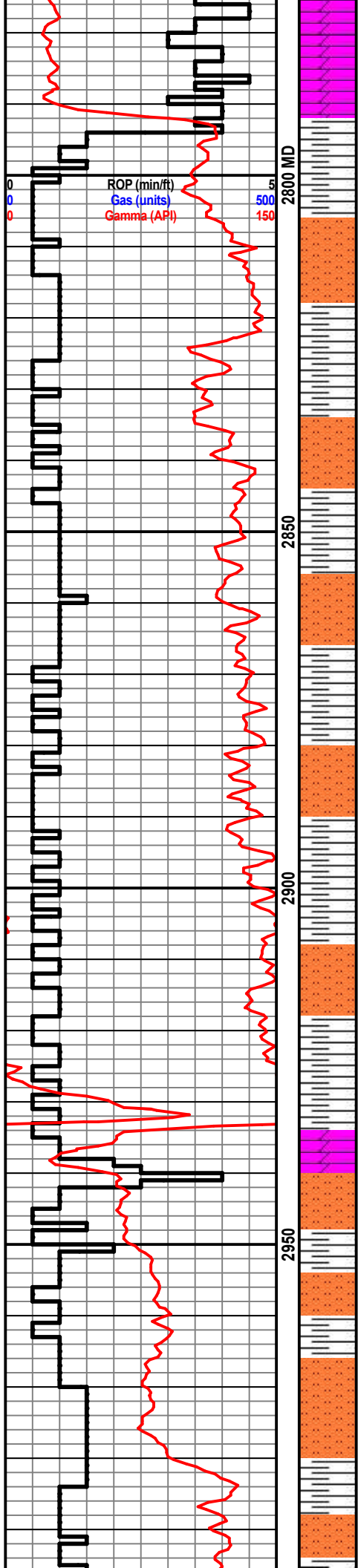
### ROCK TYPES

<b>Anhy</b>	<b>Clyst</b>	<b>Gyp</b>	<b>Mrlst</b>
<b>Bent</b>	<b>Coal</b>	<b>Igne</b>	<b>Salt</b>
<b>Brec</b>	<b>Congl</b>	<b>Lmst</b>	<b>Shale</b>
<b>Cht</b>	<b>Dol</b>	<b>Meta</b>	<b>Shcol</b>
			<b>Shgy</b>
			<b>Sltst</b>
			<b>Ss</b>
			<b>Till</b>

### OTHER SYMBOLS

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

Curve Track 1		Lithology	Geological Descriptions	DST/Mud/Survey																																	
ROP (min/ft) Gas (units) Gamma (API)	MD	Oil Shows																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ROP (min/ft)</td><td style="text-align: right;">50</td></tr> <tr><td>Gas (units)</td><td style="text-align: right;">500</td></tr> <tr><td>Gamma (API)</td><td style="text-align: right;">150</td></tr> </table> <p>9/15/2021 Move in &amp; rig up</p> <p>9/16/2021 Spud @ 10 am</p> <p>9/17/2021 311', drilling</p> <p>9/18/2021 2,428', work on mud pump</p> <p>9/19/2021 3,045', drilling</p> <p>9/20/2021 3,250', completed</p>	ROP (min/ft)	50	Gas (units)	500	Gamma (API)	150	26	2700	<p>The open-hole logging was performed by Mr. Casey Patterson with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density Neutron, Dual Induction, and Microresistivity.</p> <p>Formation tops and datums from the open-hole logs include the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Formation</th> <th style="text-align: left;">E-Log</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr><td>Miss</td><td>2426</td><td>-1104</td></tr> <tr><td>Kinderhook</td><td>2792</td><td>-1470</td></tr> <tr><td>Hunton</td><td>2934</td><td>-1612</td></tr> <tr><td>Maq</td><td>2940</td><td>-1618</td></tr> <tr><td>Viola</td><td>3020</td><td>-1698</td></tr> <tr><td>Simp. SD</td><td>3131</td><td>-1809</td></tr> <tr><td>Arbuckle</td><td>3176</td><td>-1854</td></tr> <tr><td>LTD</td><td>3250</td><td>-1928</td></tr> </tbody> </table>	Formation	E-Log	Datum	Miss	2426	-1104	Kinderhook	2792	-1470	Hunton	2934	-1612	Maq	2940	-1618	Viola	3020	-1698	Simp. SD	3131	-1809	Arbuckle	3176	-1854	LTD	3250	-1928	Mud Engineer: Charlie Coulter
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	2750	Dolo	Dolo: tan-gry, fn xln, mostly DNS																																		
		Dolo	Dolo: ala																																		



**Kinderhook 2794' (-1472)**

Sh: drk gry

Sh: drk gry-blk

Sh: lt gry, scat bm, soft, sltst

Sh: ala

Sh: lt-drk gry, blk, scat bm, soft

Sh: lt gry, scat sltst

Sh: ala

Sh: lt-drk gry, scat bm, scat slst

Sh: lt gry

**Hunton 2936' (-1614)**

Dolo: off wh, fn-sub xln, mostly DNS, few rx scat poor int xln porosity, NSFO

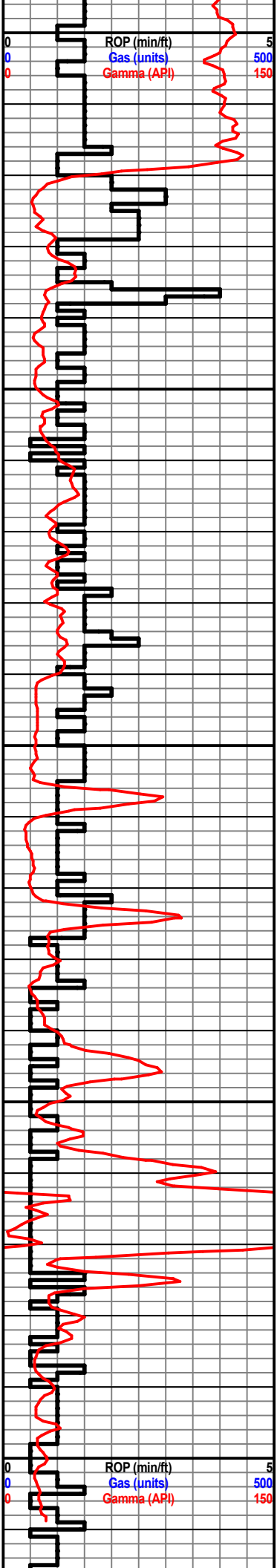
**Maquoketa 2945' (-1623)**

Sh: lt gry, scat bm, sltst: lt gry

Sltst: lt gry

Sh: lt-drk gry, scat bm

Sh: ala



Sh: lt gry, slst: lt gry

**Viola 3021' (-1699)**

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

Dolo: tan-bm, fn xln, fair int xln porosity, scat chert-off wh

Dolo: tan-bm, fn xln, poor-scat fair int xln porosity, chert-off wh

Dolo: tan-bm, fn xln, poor int xln porosity, chert-off wh

Dolo: tan-bm, fn-md xln, poor-fair int xln porosity, chert-off wh

**Simpson Dolomite 3108' (-1786)**

Dolo: off wh, fn-md xln, poor-fair int xln porosity, scat dead oil stn, sl odor

**Simpson Sand 3124' (-1802)**

Ss: qtz, off wh, fn-md gm, md, poor-scat fair sorting, poor int gm porosity, dead oil stn

Ss: qtz, off wh, fn-md gm, md, poor-fairly sorted, fair int gm porosity, friable, SSFO, sl odor

Ss: qtz, wh, fn-md gm, md poorly sorted, friable, fair int gm porosity, barren

Ss: qtz, wh, fn-md gm, md, poorly sorted, poor-fair int gm porosity, barren, scat sh: blk

Sh: lt-drk gry

**Arbuckle 3172' (-1850)**

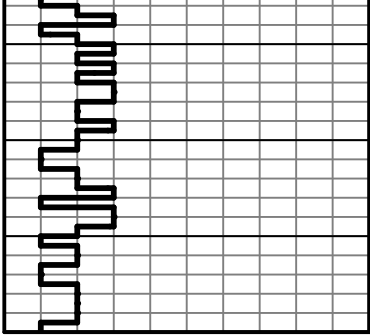
Dolo: tan-gry, fn xln, poor-fair int xln porosity, NSFO, scat chert-off wh

Dolo: tan-gry, fn-md xln, fair int xln porosity, barren, chert-off wh

Dolo: tan-gry, fn-md xln, poor-fair int xln porosity, barren, scat chert-off wh, scat chalk

Dolo: ala

Wt: 9  
Vis: 35



50



Dolo: tan-gry, fn-md xln, fair int xln porosity, barren,  
chert, scat chalk

Dolo: tan-gry, fn xln, poor int xln porosity, barren,  
chert-off wh, scat chalk

Wt: 8.8  
Vis: 56