

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 Recompletion Date _____ 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)</i> <i>(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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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 2843

85-483-1071
85-324-1041

Date: 6-15-22 Sec: 5 Twp: 18 Range: 10 County: Rice State: KS On Location: 2:45 AM Finish: 2:45 AM
Location: Claffin - 4E to 2nd Rd, 1/2 S across

Lease: Roesler C Well No.: 10
Contractor: Discovery #2
Type Job: Surface
Hole Size: 12 1/4" T.D.: 393'
Csg. Size: 8 7/8" Depth: 393'
Tbg. Size: _____
Tool: _____
Cement Left in Csg.: 15' Shoe Joint: 15'
Meas Line: _____ Displace: 248LS

Owner: Tracks Elinto
To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.
Charge To: Patterson Energy
Street: _____ State: _____
City: _____
The above was done to satisfaction and supervision of owner agent or contractor.
Cement Amount Ordered: 180 80/20 3% cc 2% Gel

EQUIPMENT
Pumptrk 16 No. _____ Cementer David
Bulktrk 14 No. _____ Driver Tim
Driver P.M. No. _____ Driver Rick

Common 145
Poz. Mix 3.5
Gel. 3
Calcium 7
Hulls _____
Salt _____
Flowseal _____
Kol-Seal _____
Mud CLR 48 _____
CFL-117 or CD110 CAF 98 _____
Sand _____
Handling 190
Mileage _____

JOB SERVICES & REMARKS
Remarks: Cement did Circulate
Rat Hole _____
Mouse Hole _____
Centralizers _____
Baskets _____
DNV or Port Collar _____

FLOAT EQUIPMENT
Guide Shoe _____
Centralizer _____
Baskets _____
AFU Inserts _____
Float Shoe _____
Latch Down _____

Pumptrk Charge Surface
Mileage 40

[Signature]
Signature

Thanks

Tax _____
Discount _____
Total Charge _____

PL
CK

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 2859

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date	6-10-22	Sec.	5	Twp.	18	Range	10	County	Rice	State	KS	On Location		Finish	8:00pm
Location								Clifton 4235							

Lease	ROESIER		Well No.	C-10		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Contractor	DISCOVER					Charge To	Patterson Energy LLC				
Type Job	1.0000		T.D.	3350		To					
Hole Size	7 7/8		Depth			Street					
Csg.	55		Depth			City	State				
Tbg. Size			Depth			The above was done to satisfaction and supervision of owner agent or contractor.					
Tool			Depth			Cement Amount Ordered					
Cement Left in Csg.	30		Shoe Joint	20		50gals Flush 175A 10p. + 5'G.					
Meas Line			Displace	78.55		Common	175				

EQUIPMENT			
Pumptrk	16	No. Cementer Helper	13/4
Bulktrk		No. Driver	12/12
Bulktrk		No. Driver	Tim

JOB SERVICES & REMARKS	
Remarks:	
Rat Hole	20
Mouse Hole	20
Centralizers	
Baskets	
DN or Port Collar	
Pipe set	C 3322
Shoe JS	20
Insert	3302
Pump	500 gal Flush
Cement	125A
Pump plug w/	78.55
Land plug	C 1209
Float	did hold
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	14
Flowseal	
Kol-Seal	730A
Mud CLR 48	500 gal
CFL-117 or CD110 CAF 38	
Sand	
Handling	196
Mileage	

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	5
Baskets	1
AFU Inserts	
Float Shoe	1
Latch Down	1

Pumptrk Charge	1200	Tax	
Mileage	40	Discount	
Thanks		Total Charge	

X Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 2959

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date	6-17-22	Sec.	5	Twp.	18	Range	10	County	Rice	State	KS	On Location	8:00pm
Location <i>Clinton 4225</i>													

Lease	<i>ROESLER</i>	Well No.	<i>C-10</i>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor	<i>Discovery</i>				Charge To	<i>Patterson Energy LLC</i>
Type Job	<i>Landfill</i>	T.D.	<i>3350</i>	Street		
Hole Size	<i>2 1/2</i>	Depth		City	State	
Csg.	<i>52</i>	Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
Tbg. Size		Depth		Cement Amount Ordered		
Tool		Shoe Joint	<i>20</i>	<i>Southern Finish 175A 10 units 5" G.</i>		
Cement Left in Csg.	<i>30</i>	Displace	<i>78.58</i>	Common	<i>175</i>	
Meas Line						

EQUIPMENT			
Pumptrk	No.	Cementer	<i>Bill</i>
		Helper	
Bulktrk	No.	Driver	<i>Mark</i>
		Driver	
Bulktrk	No.	Driver	<i>Tim</i>
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole *20*

Mouse Hole *30*

Centralizers

Baskets

D/V or Port Collar

pipe w/ c 3322

Shoe JS 20

Insert 3302

Pump 500 gal flush

Cement 125A

Pump plug w/ 78.58

Landplug c 1200

Float did hold

Flowseal

Kol-Seal *750#*

Mud CLR 48 *500 ml*

CFL-117 or CD110 CAF 38

Sand

Handling *196*

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge *pred string*

Mileage *90*

Thanks

Tax

Discount

Total Charge


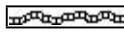
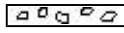


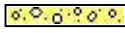




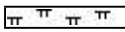


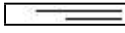
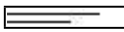

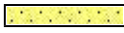
x Signature

Comments

The Roesler C #10 well was drilled by Discovery Drilling Company Inc. Rig #2 (Tool Pusher: Travis Schmidt).

Drill time was recorded, and rock samples were collected and evaluated from 2,750' - 3,350'. Structurally, the Lansing-Kansas City top was picked 6' high to the Roesler #4, located 600' southeast (11/1940), but 3' low to the Roesler #2, located 660' southwest (11/1939). Several LKC zones contained good porosity development with fair-good oil shows (see below). A few minor structural changes occurred, but overall position remained consistent at the B/KC. The Arbuckle sample top was mistakenly picked just slightly low to the Roesler #2 & #4 wells. However, electric logs revealed development of a shale section below the B/KC. As a result, the E-Log top was picked approximately 30' low to nearby comparison wells. Golden brown stain with a slight to fair show of free oil was observed in the upper Arbuckle section. After comprehensive evaluation of all oil shows and electric logs, it was decided that 5-1/2" production casing be set to further evaluate the Roesler C #10 on June 19, 2022.

ROCK TYPES

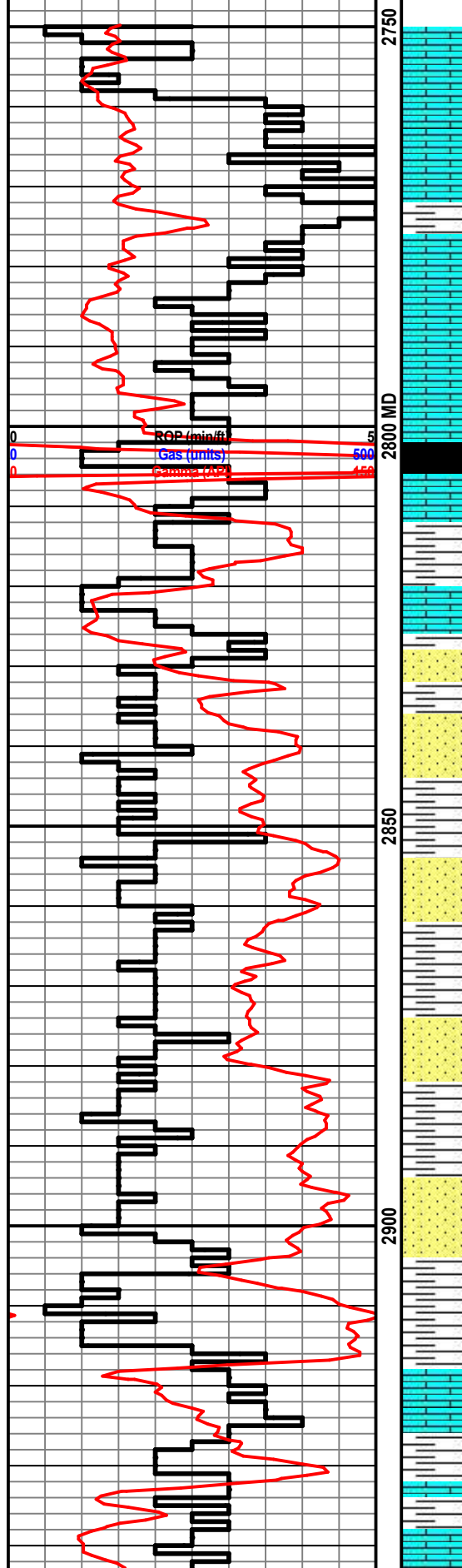
 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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OTHER SYMBOLS

POROSITY <input type="checkbox"/> Earthy <input type="checkbox"/> Fenest <input type="checkbox"/> Fracture <input type="checkbox"/> Inter <input type="checkbox"/> Moldic <input type="checkbox"/> Organic <input type="checkbox"/> Pinpoint	<input type="checkbox"/> Vuggy SORTING <input type="checkbox"/> Well <input type="checkbox"/> Moderate <input type="checkbox"/> Poor	ROUNDING <input type="checkbox"/> Rounded <input type="checkbox"/> Subrnd <input type="checkbox"/> Subang <input type="checkbox"/> Angular OIL SHOW <input type="checkbox"/> Even	<input type="checkbox"/> Spotted <input type="checkbox"/> Ques <input type="checkbox"/> Dead INTERVAL <input type="checkbox"/> Core <input type="checkbox"/> Dst	EVENT <input type="checkbox"/> Rft <input type="checkbox"/> Sidewall
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Curve Track 1	MD	Lithology	Geological Descriptions	DST/Mud/Survey																								
ROP (min/ft) ——— Gas (units) - - - - - Gamma (API) ———																												
0 ROP (min/ft) 0 Gas (units) 500 0 Gamma (API) 150	26																											
06/14/2022 MIRT			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. Formation tops and datums from the open-hole logs include the following: <table border="1" style="width: 100%; margin-top: 10px;"> <tr><td>Anhydrite</td><td>530</td><td>1255</td></tr> <tr><td>Heebner</td><td>2802</td><td>-1017</td></tr> <tr><td>Toronto</td><td>2821</td><td>-1036</td></tr> <tr><td>Brown Lime</td><td>2918</td><td>-1133</td></tr> <tr><td>Lansing</td><td>2933</td><td>-1148</td></tr> <tr><td>B/KC</td><td>3208</td><td>-1423</td></tr> <tr><td>Arbuckle</td><td>3248</td><td>-1463</td></tr> <tr><td>LTD</td><td>3272</td><td>-1487</td></tr> </table>	Anhydrite	530	1255	Heebner	2802	-1017	Toronto	2821	-1036	Brown Lime	2918	-1133	Lansing	2933	-1148	B/KC	3208	-1423	Arbuckle	3248	-1463	LTD	3272	-1487	MUD ENGINEER: Brandon Mendez
Anhydrite	530	1255																										
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Lansing	2933	-1148																										
B/KC	3208	-1423																										
Arbuckle	3248	-1463																										
LTD	3272	-1487																										
06/15/2022 393', wait on cement																												
06/16/2022 1,870', drilling																												
06/17/2022 2,604', drilling																												
06/18/2022 3,108', drilling																												
06/19/2022 3,279', drilling																												
6/20/2022 3,350, completed	2700																											

Wt: 8.6
Vis: 51



Ls: tan-lt gry, fn-sub xln, NSFO

Sh: lt-drk gry

Ls: tan-gry, fn xln, fair int xln porosity, NSFO

Heebner 2801' (-1016)

Sh: blk, carb, fissile

Sh: lt gry-gm

Toronto 2819' (-1034)

Ls: tan-gry, fn xln, scat fair int xln porosity, NSFO

Douglas 2830' (-1045)

Ss: lt gry, vry fn gm, scat fair int gm porosity, friable, NSFO, scat sh: gry

Ss: ala

Ss: gry-lt gry, fn-vry fn gm, md, fair int gm porosity, NSFO, scat sh: gry

Ss: ala

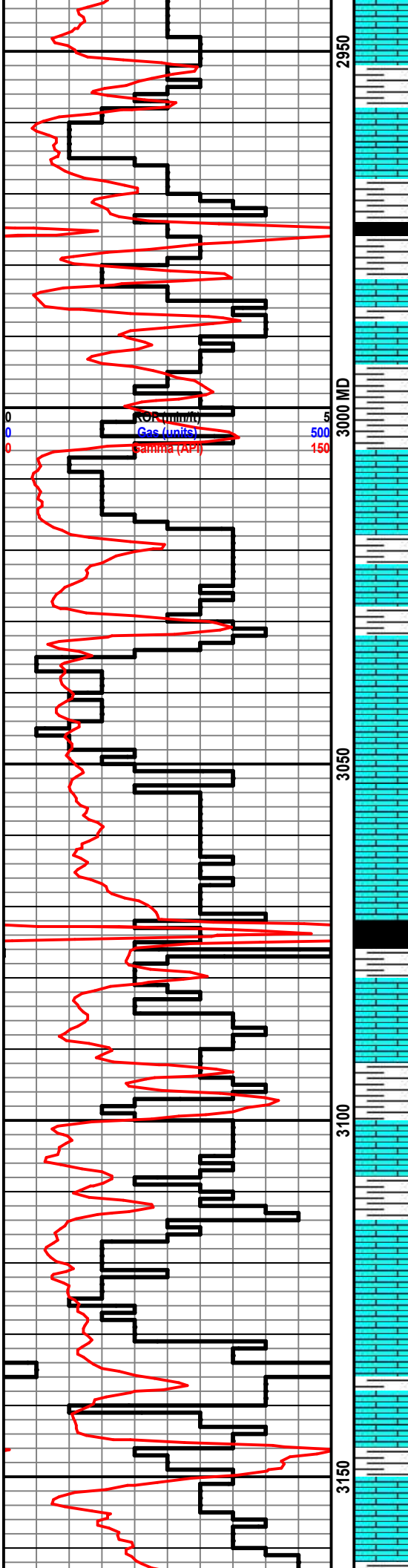
Brown Lime 2917' (-1132)

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

Sh: lt gry

Lansing 2931' (-1146)

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



Ls: ala

Sh: lt gry

Ls: off wh-tan, fn xln, ool, fair-good oom porosity, fair-good oil strn, F-GSFO when brkn, fair odor

Sh: gry-blk

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

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

3000 MD

Sh: lt gry

Ls: off wh-tan, fn xln, ool, good oom porosity, NSFO

Sh: lt-drk gry

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

Sh: lt-drk gry

Ls: off wh-tan, fn xln, ool, good oom porosity, scat dead oil strn, NSFO

3050

Ls: ala

Ls: off wh-tan, fn xln, mostly DNS, chalky

Sh: drk gry-blk

Ls: off wh-tan, fn xln, fair int xln porosity, sl-fair bm strn, NSFO, no odor

Sh: drk gry

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

3100

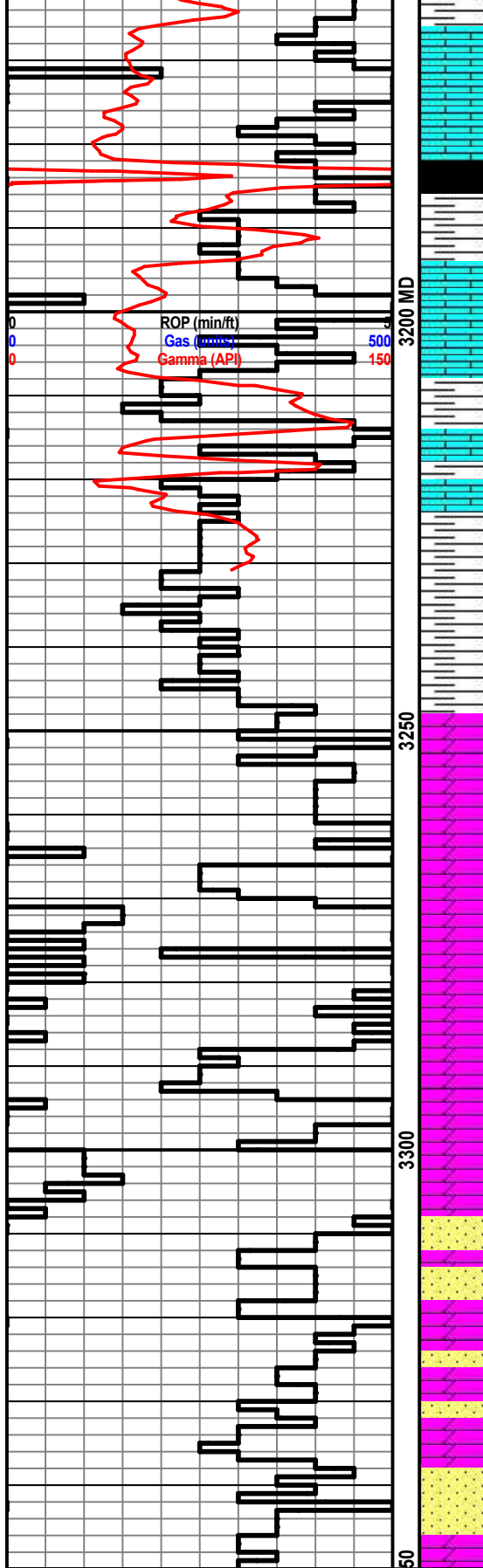
Ls: off wh-tan, fn xln, ool, fair-good oom porosity, scat-fair oil strn, SSFO, sl odor, chalky

Ls: tan-lt gry, fn-sub xln, NSFO

3150

Sh: lt-drk gry

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



Ls: ala

Sh: drk gry-blk

Ls: tan-gry, fn xln, poor int xln porosity, NSFO, scat chalk

B/KC 3206' (-1421)

Sh: drk gry-gm

Sample* Arbuckle 3216' (-1431)

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

Sh: lt-drk gry

Log* Arbuckle 3248' (-1463)

Dolo: off wh-cm, md-crs xln, poor-fair int xln porosity, lt-fr golden bm stn, SSFO, fair odor

Dolo: off wh-cm, fn-md xln, poor-fair int xln porosity, lt-fair golden bm oil stn, VSSFO, fair odor

Dolo: off wh-cm, fn-md xln, fair int xln, scat vuggy porosity, sl-fair bm stn, VSSFO, sl show oil in cup, sl-fair odor

Dolo: off wh-tan, md xln, poor-fair int xln porosity, NSFO

Dolo: ala

Dolo: off wh-cm, fn-md xln, poor int xln porosity, NSFO, scat chert

Dolo: off wh-cm, md xln, fair int xln porosity, NFSO, scat ss: wh-off wh, fn-md gm, fair int gm porosity, sl friable, NSFO

Dolo: Scat Ss: ala

Dolo: ala, Ss: wh-off wh, fn-crs gm, fair int gm porosity, semi md, sl friable, NSFO