

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
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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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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	POPPELREITER 1
Doc ID	1467062

Tops

Name	Top	Datum
Plattsmouth	2905	-1030
Heebner	2947	-1072
Toronto	2964	-1089
Douglas	2977	-1102
Brown Lime	3046	-1171
Langsing	3062	-1187
Base KC	3295	-1420
Arbuckle	3350	-1475



# COPELAND

## Acid & Cement

POST OFFICE BOX 438  
 HAYSVILLE, KS 67060  
 (316) 524-1225  
 (316) 524-1027 FAX

**Invoice**

BURRTON, KS    ♦    GREAT BEND, KS  
 (620) 463-5161    (620) 793-3366  
 FAX (620) 463-2104    FAX (620) 793-3536

INVOICE NUMBER:  
**C46971-IN**

**BILL TO:**  
**CARMEN SCHMITT, INC.**  
**PO BOX 47**  
**GREAT BEND, KS 67530**

**LEASE: POPPELREITER #1**

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
07/15/2019	46971		07/09/2019	POPPELREITER #1	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
15.00	MI	MILEAGE PICKUP		25.00	2.00	22.50
15.00	MI	MILEAGE CEMENT PUMP TRUCK		25.00	4.00	45.00
1.00	EA	PUMP CHARGE- SURFACE PIPE		25.00	1,100.00	825.00
225.00	SK	60/40 POZ MIX 2% GEL		25.00	11.25	1,898.44
12.00	SK	CALCIUM CHLORIDE		25.00	40.00	360.00
237.00	EA	BULK CHARGE		25.00	1.25	222.19
156.42	MI	BULK TRUCK - TON MILES		25.00	1.10	129.05
<p><i>710/43</i>  <i>14484.0001</i>  <i>Well R/e</i>  <i>Surface Cement</i></p>						
<b>REMIT TO:</b> P.O. BOX 438 HAYSVILLE, KS 67060		<b>COP</b>		Net Invoice:		3,502.18
RECEIVED BY _____		<b>NET 30 DAYS</b>		BATCO Sales Tax:		262.66
				<b>Invoice Total:</b>		<b>3,764.84</b>

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas



FIELD ORDER N° C 46971

BOX 438 • HAYSVILLE, KANSAS 67060  
316-524-1225

DATE 7-9 20 19

IS AUTHORIZED BY: Carmen Schmitt Inc  
(NAME OF CUSTOMER)

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

To Treat Well As Follows: Lease Poppelreiter Well No. #1 Customer Order No. \_\_\_\_\_

Sec. Twp. Range \_\_\_\_\_ County Barton State Ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED \_\_\_\_\_ By \_\_\_\_\_  
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	15	Mileage Pick up	2 <sup>00</sup>	30 <sup>00</sup>
2	15	Mileage Pump Trucks	4 <sup>00</sup>	60 <sup>00</sup>
2		Pump Charge - Surface Pipe		1100 <sup>00</sup>
2	225	Sacks 60/40 2% bel	11 <sup>25</sup>	2531 <sup>25</sup>
2	12	Calcium Chloride	40 <sup>00</sup>	480 <sup>00</sup>
2	237	Bulk Charge	1 <sup>25</sup>	296 <sup>25</sup>
2		Bulk Truck Miles $10.4287 \times 15 \text{ miles} = 156.429m$	1 <sup>10</sup>	172 <sup>06</sup>
		Process License Fee on _____ Gallons		
		TOTAL BILLING	25%	4669 <sup>56</sup>

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Greg C.  
Station 63

Matt Suchy  
Well Owner, Operator or Agent

Remarks \_\_\_\_\_

NET 30 DAYS



# Carmen Schmitt Inc

"New Wealth Comes From the Land"

Scale 1:240 Imperial

Well Name: Poppelreiter #1  
Surface Location: Sec. 8 - T17S - R11W  
Bottom Location:  
API: 15-009-26243-0000  
License Number: 33350  
Spud Date: 7/9/2019 Time: 2:45 AM  
Region: Barton County Time: 10:10 PM  
Drilling Completed: 7/13/2019  
Surface Coordinates: 990' FNL & 2310' FEL  
Bottom Hole Coordinates:  
Ground Elevation: 1866.00ft  
K.B. Elevation: 1875.00ft  
Logged Interval: 2800.00ft To: 3360.00ft  
Total Depth: 3360.00ft  
Formation: Arbuckle  
Drilling Fluid Type: Chemical/Fresh Water Gel

## OPERATOR

Company: Carmen Schmitt, Inc.  
Address: P.O. Box 47  
Great Bend, KS 67530  
  
Contact Geologist:  
Contact Phone Nbr: 620-793-5100  
Well Name: Poppelreiter #1  
Location: Sec. 8 - T17S - R11W  
API: 15-009-26243-0000  
Pool: Kansas Field: Kraft-Prusa  
State: Kansas Country: USA

## SURFACE CO-ORDINATES

Well Type: Vertical  
Longitude: -98.56181  
Latitude: 38.59176  
N/S Co-ord: 990' FNL  
E/W Co-ord: 2310' FEL

## LOGGED BY

***Keith Reavis***  
***Consulting Geologist***

Company: Keith Reavis, Inc.  
Address: 3420 22nd Street  
Great Bend, KS 67530  
  
Phone Nbr: 620-617-4091  
Logged By: KLG #136 Name: Keith Reavis

## CONTRACTOR

Contractor: Southwind Drilling, Inc.  
Rig #: 3  
Rig Type: mud rotary  
Spud Date: 7/9/2019 Time: 2:45 AM  
TD Date: 7/13/2019 Time: 10:10 PM  
Rig Release: Time:

## ELEVATIONS

K B. Elevation: 1875.00ft Ground Elevation: 1866.00ft



**NOTES**

Due to low structural position in the Arbuckle formation, the operator elected to plug the Poppelreiter #1 as a dry test.

The well samples were saved and submitted to the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,  
Keith Reavis

**daily drilling report**

DATE	7:00 AM DEPTH	REMARKS
07/11/2019	2467	Geologist Keith Reavis on location @ 1315 hrs, 2624' ft, going back in hole after pulling 10 stands and replacing pump liners, drill ahead, Plattsmouth
07/12/2019	3098	drilling ahead, Heebner, Toronto, Douglas, Brown Lime, Lansing, BKC, Arbuckle, no shows, orders to plug, geologist off location 2330 hrs
07/13/2019	3360	conducting plugging operations

**STRUCTURAL POSITION**

Formation	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
	Sample	Sub-Sea	Log	Sub-Sea	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log
Plattsmouth	2905	-1030							2904	-1021	-9	
Heebner	2947	-1072			2952	-1069	-3		2946	-1063	-9	
Toronto	2964	-1089			2967	-1084	-5		2963	-1080	-9	
Douglas	2977	-1102			2985	-1102	0		2978	-1095	-7	
Brown Lime	3045	-1171			3052	-1169	-2		3045	-1162	-9	
Lansing	3062	-1187			3069	-1186	-1		3061	-1178	-9	
Base Kansas City	3295	-1420			3302	-1419	-1					
Arbuckle	3350	-1475			3325	-1442	-33		3318	-1435	-40	
Total Depth	3360	-1485			3335	-1452	-33		3325	-1442	-43	

**ROCK TYPES**

Dolprim	Lmst fw7>	shale, gry	shale, red	Sltst
Lmst fw<7	shale, grn	Carbon Sh	Shcol	

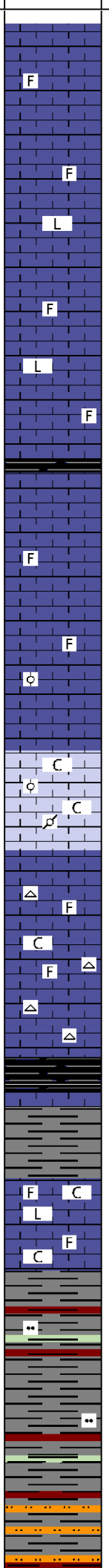
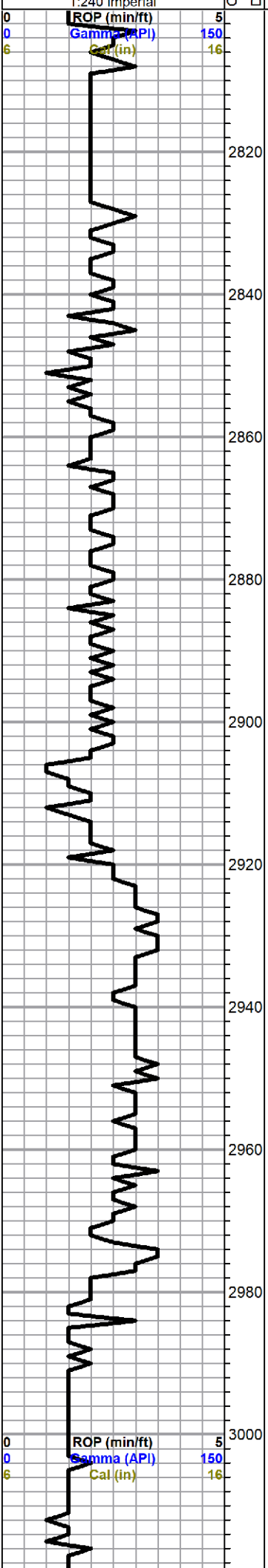
**ACCESSORIES**

<b>MINERAL</b>	<b>FOSSIL</b>	<b>STRINGER</b>	<b>TEXTURE</b>
▲ Chert, dark	F Fossils < 20%	■ Limestone	C Chalky
● Silty	○ Oolite		L Lithogr
△ Chert White	⊗ Pellets		
	⊕ Oomoldic		

**OTHER SYMBOLS**

<b>Oil Show</b>	<b>DST</b>
● Good Show	■ DST Int
● Fair Show	■ DST alt
● Poor Show	■ Core
○ Spotted or Trace	■ tail pipe
○ Questionable Stn	
■ Dead Oil Stn	
■ Fluorescence	
* Gas	

Curve Track #1				TG, C1 - C5				
ROP (min/ft)		Depth   Intervals	DST	Lithology	Oil Show	Geological Descriptions	Total Gas (units)	
Gamma (API)							C1 (units)	
Cal (in)							C2 (units)	
							C3 (units)	
							C4 (units)	
							C5 (units)	



limestone, variable gray to cream, micro-crystalline, fossiliferous, some grainy, some scattered porosity, with limestone, cream to light gray, cryptocrystalline, lithographic, dense, no shows

limestones a.a.

carbonaceous shale

limestone, light gray to gray mottled, micro-cryptocrystalline, fossiliferous, chalky, poor visible porosity, no shows

a.a. some scattered oolitic

**Plattsmouth 2905 -1030**

limestone, gray, mottled, oolitic to pelletal, chalky poor visible porosity, abundant chalk in samples, no shows

limestone, mixed gray to cream and tan, fossiliferous, chalky in part, some scattered smooth lithographic, abundant white to gray fossiliferous cherts, no shows

limestone a.a., increasing chert

**Heebner 2947 -1072**

black carbonaceous shale

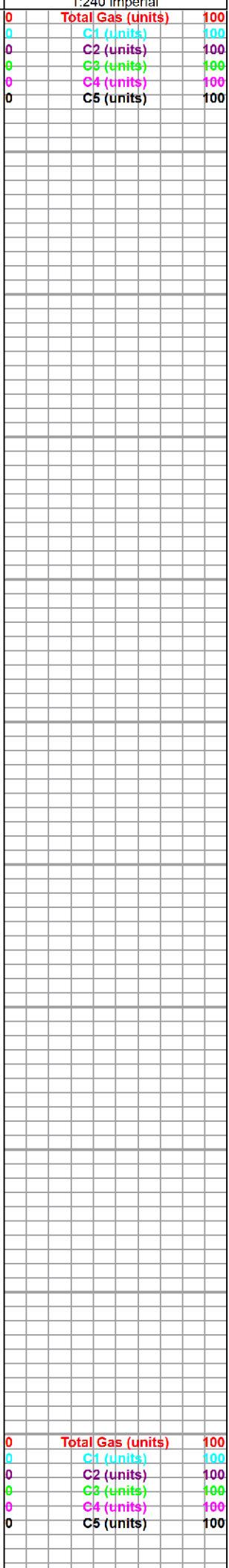
**Toronto 2964 -1089**

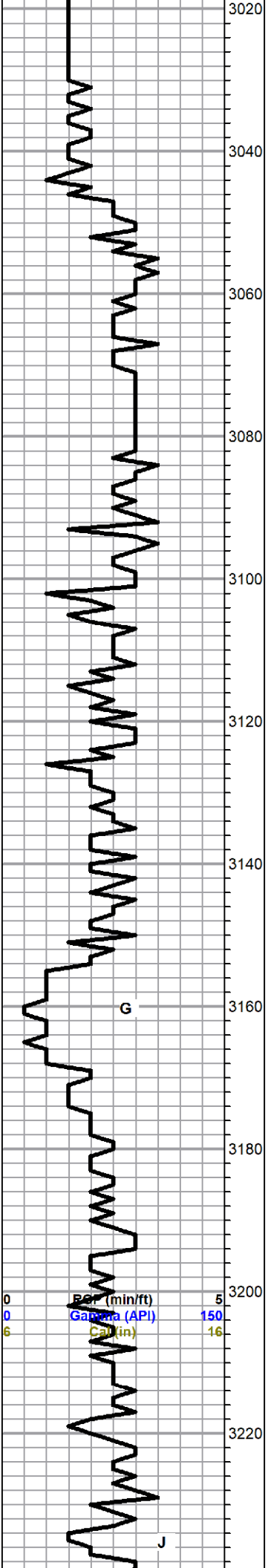
limestone, cream to white and light gray, cryptocrystalline, fossiliferous to lithographic, chalky, poor visible porosity, no shows, abundant chalk

**Douglas 2977 -1102**

shales, gray to red, blocky, silty, some mushy green shales

shales a.a. with salt and pepper siltstone





**Brown Lime 3046 -1171**

limestone, brownish gray, mostly cryptocrystalline, dense, cherty, fossiliferous, no shows

**Lansing 3062 -1187**

limestone, gray, some brown, micro-cryptocrystalline, fossiliferous, dense, cherty, grades to gray/green, microcrystalline, dense, cherty, no shows

limestone, gray to light gray, cryptocrystalline, slightly fossiliferous, chalky, poor visible porosity, abundant chalk, no shows

limestone, a.a. 2 pieces in 3120 sample weathered with small vugs and light stain, trace oil in 1 piece on break, no odor

limestone, gray to brown mottled, pelletal to fossiliferous, dense to chalky, some fossiliferous chert, trace crystalline vuggy, no shows

limestone a.a. with limestones, cream to light gray, mostly cryptocrystalline, lithographic to fossiliferous mix, chalky in part, mostly dense, cherts a.a., no shows

influx chalk and some scattered oolitic

limestone, cream, oomoldic, good porosity, barren, abundant chalk

limestones, mixed gray to cream, micro-cryptocrystalline, fossiliferous to lithographic, poor visible porosity, some chalk, no shows

**Muncie Creek 3195 -1320**

shale, black carbonaceous

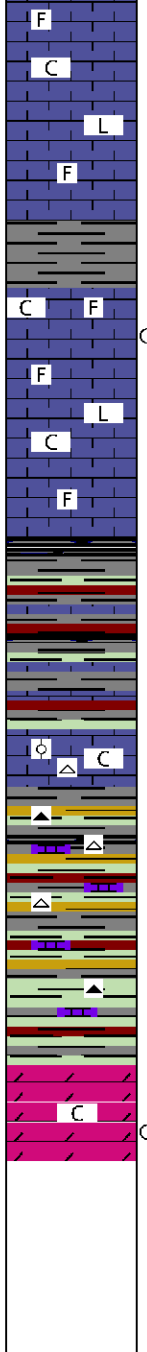
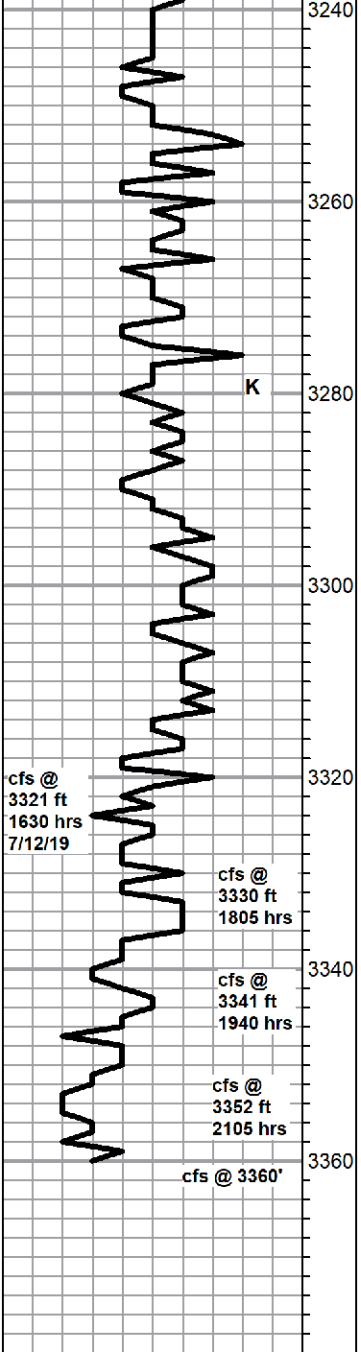
limestone, variable gray, abundant dark gray, micro-cryptocrystalline, fossiliferous, dense, no shows, some gray fossiliferous cherts

limestone, cream to white and light gray, mostly cryptocrystalline, fossiliferous to lithographic, dense, chalky in part, poor visible porosity, no show

limestone, white to light gray, oolitic to bioclastic, some fair interclast and interoolite porosity, slight stain, slight to fair show gassy oil on break, fair odor, fair fluorescence, slow streaming milky cut

0	<b>Total Gas (units)</b>	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

Mud-Co Mud chk  
 @ 3230 ft.  
 1200 hrs.  
 7/12/19



limestone, white to light gray and cream, crypto-microcrystalline, fossiliferous to lithographic, chalky in part, moderate chalk in samples, no shows

limestone, white to light gray and cream, crypto-microcrystalline, fossiliferous to lithographic, chalky in part, moderate chalk in samples, with trace oolitic to bioclastic, some small vugs, slight stain, slight show gassy oil on break (from above?), no odor

**Base KC 3295 -1420**

influx shales, gray, brown, green and black, abundant limestone a.a.

30 min sample, light gray, cryptocrystalline, re-crystallized oolitic, dense, slightly glauconitic, abundant chalk in samples, some chert, no shows, 60 min same, some brown pelletal and slightly oomoldic

conglomerate shale, flood of mostly gray with green, black and mushy orange, scattered cherts - 60 min sample, more orange shales, red wash, increase chert, found on piece crystalline dolomite with slight oil show, abundant limestones no odor in wet cup - red wash

a.a. trace vari-colored sandstone

**Arbuckle 3350 -1475**

3352 samples dolomite, white, microcrystalline, sub-rhombic, to rhombic, friable, fair intercrystalline porosity, barren, no odor

3360' 30 min samples - dolomite, white to light gray, micro to fine crystalline, sub-rhombic, to rhombic, fair intercrystalline porosity, barren, fair fluorecence, sour sullfur odor, abundant caliche 60 min sample, few pieces trace free oil on break, no stain, sour odor, green fluorecence, blue milky cut on break

**Rotary TD 3360 ft @ 2210 hrs 7/12/19**

Vis. 5.3 Wt. 9.1  
 PV 14 YP 26  
 WL 6.8  
 Cake 1/32,  
 pH 11.0  
 CHL 3900 ppm  
 Ca tr ppm  
 Sol 5.6 LCM 2#  
 DMC \$-186.05  
 CMC \$4778.74

torque table to near stop and rough at times