

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 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](mailto: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	K & N Petroleum, Inc.
Well Name	KLUG 1
Doc ID	1802086

Tops

Name	Top	Datum
Heebner	3066	-1130
Toronto	3085	-1149
Douglas	3097	-1161
Brown Lime	3160	-1224
Lansing	3173	-1237
Base Kansas City	3406	-1470
Arbuckle	3412	-1476
Rotary Total Depth	3431	-1495







**OPERATOR**

Company: KN Petroleum, Inc.  
 Address: 1105 Walnut St.  
 Great Bend, KS 67530

Contact Geologist: Jim Musgrove  
 Contact Phone Nbr: 620-786-0839  
 Well Name: Klug #1  
 Location: 8-17s-12w S2-NW-SW-SW  
 API: 15-009-26432-00-00  
 Pool:  
 State: Kansas

Field: Sunflower  
 Country: USA

**PETROLEUM, INC.**

Scale 1:240 Imperial

Well Name: Klug #1  
 Surface Location: 8-17s-12w S2-NW-SW-SW  
 Bottom Location:  
 API: 15-009-26432-00-00  
 License Number: 3208  
 Spud Date: 9/16/2024 Time: 12:00 AM  
 Region: Barton  
 Drilling Completed: 9/20/2024 Time: 12:00 AM  
 Surface Coordinates: 828' FSL & 330' FWL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1926.00ft  
 K.B. Elevation: 1936.00ft  
 Logged Interval: 3431.00ft To: 0.00ft  
 Total Depth: 3431.00ft  
 Formation: Arbuckle  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**CASING SUMMARY**

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8 in	400 ft			
Int Casing					
Prod Casing	None in	None ft			

**CASING SEQUENCE**

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

**OPEN HOLE LOGS**

Logging Company:  
 Logging Engineer:  
 Truck #:  
 Logging Date: Time Spent:  
 # Logs Run: 0 # Logs Run Successful: 0

**LOGS RUN**

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
	0.00ft	0.00ft	0.00		0

**LOGGING OPERATION SUMMARY**

**LOGGING OPERATION SUMMARY**

Date	From	To	Description Of Operation
12/5/2007	0.00ft	0.00ft	

**SURFACE CO-ORDINATES**

Well Type: Vertical  
Longitude:  
Latitude:  
N/S Co-ord: 828' FSL  
E/W Co-ord: 330' FWL

**LOGGED BY**



Company: James C Musgrove Petroleum LLC  
Address: 212 Main Street/PO Box 215  
Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839  
Logged By: KLG #307

Name: James C Musgrove

**CONTRACTOR**

Contractor: Southwind Drilling Inc.  
Rig #: 1  
Rig Type: mud rotary  
Spud Date: 9/16/2024  
TD Date: 9/20/2024  
Rig Release:

Time: 12:00 AM  
Time: 12:00 AM  
Time:

**ELEVATIONS**

K.B. Elevation: 1936.00ft  
K.B. to Ground: 10.00ft  
Ground Elevation: 1926.00ft

**NOTES**

Remarks:

K & N Petroleum Inc, Klug #1, was plugged and abandoned at RTD 3431.

Respectfully submitted

James C. Musgrove  
Petroleum Geologist

**ROCK TYPES**

Dolprim	shale, grn	Carbon Sh	Ss
Lmst fw7>	shale, gry	shale, red	Siltst

**OTHER SYMBOLS**

**Oil Show**

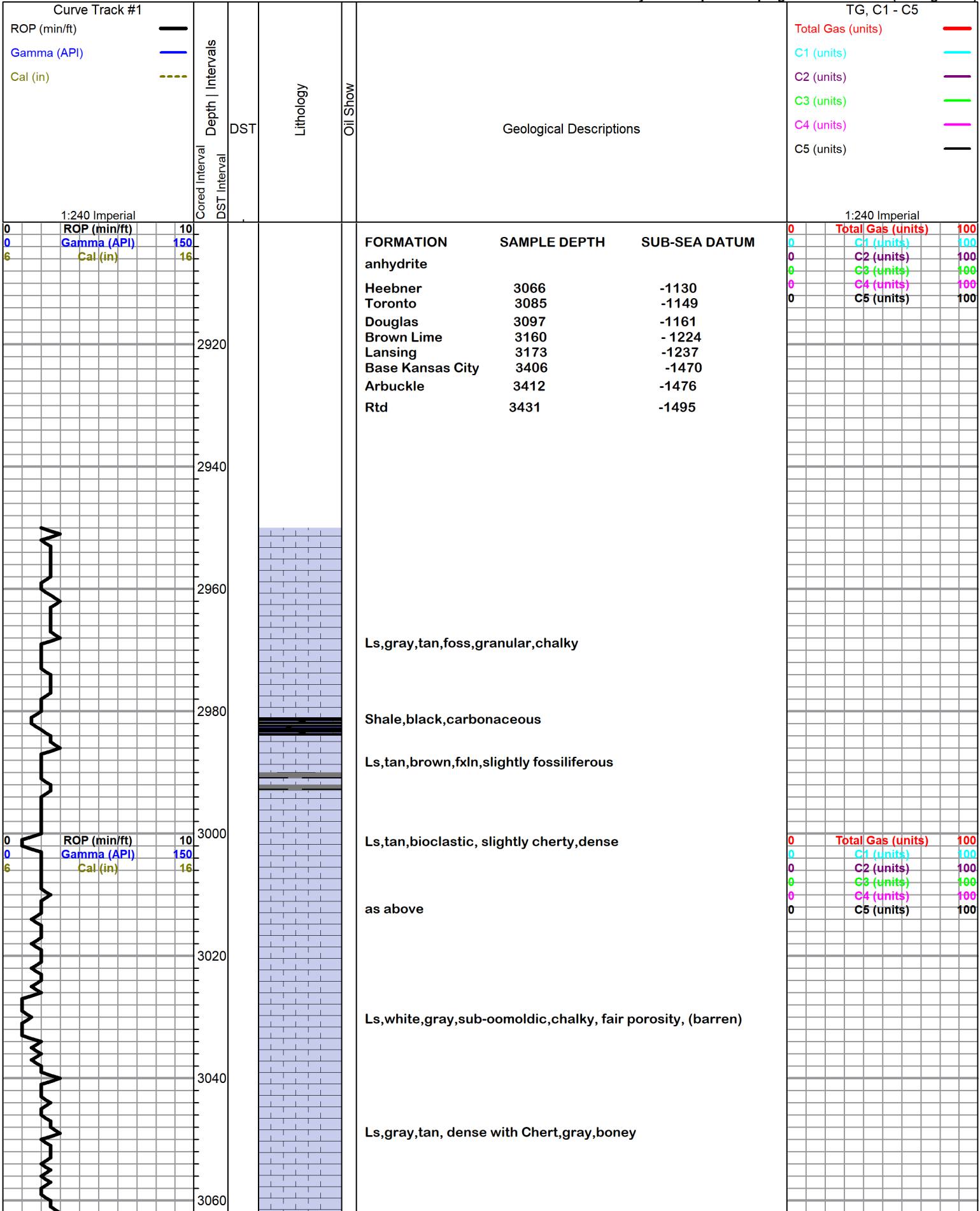
- Good Show
- Fair Show

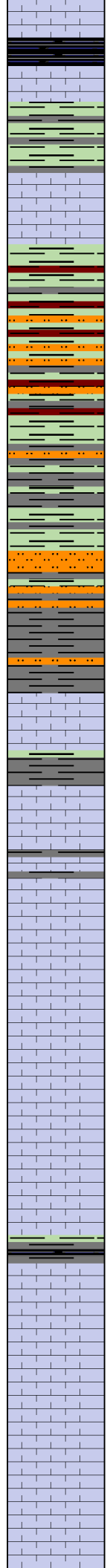
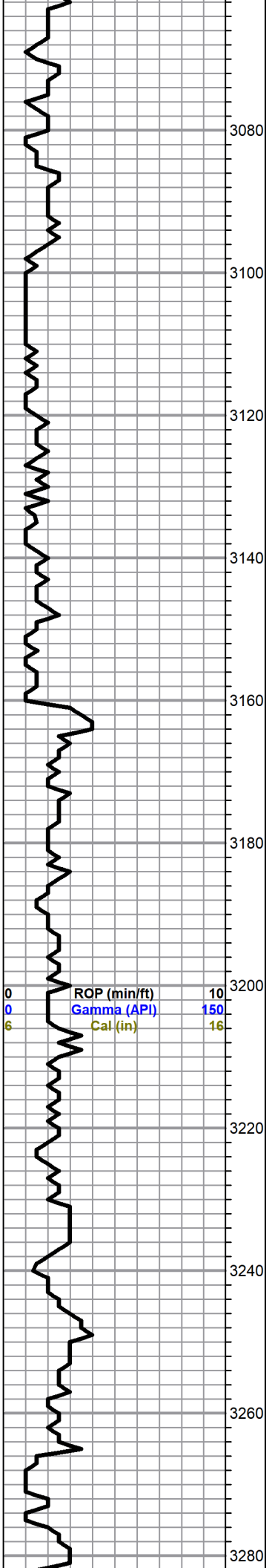
**DST**

- DST Int
- DST alt



- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Strn
- Dead Oil Strn
- Fluorescence
- \* Gas
- DST alt
- Core
- tail pipe





**HEEBNER 3066(-1130)**

Shale,black,carbonaceous,soft

Shale,gray,green

**TORONTO 3085(-1149)**

Ls,white,gray,fine and medium crystalline,few foss,chalky,trace spotted stain, no free oil and no odor

**DOUGLAS 3097(-1161)**

Shale,gray,green,maroon, soft ,silty

as above, trace Sand,vfg,silty, poorly developed

ditto Shale as above

**BROWN LIME 3160(-1224)**

Ls,gray,brown, cherty,dense

**LANSING 3173(-1237)**

Ls,white,gray,sub oomoldic, chalky, trace spotted brown stain, no free oil and no odor

Ls,gray,white,fine and medium crystalline,fossiliferous,chalky, gray,brown stain, no free oil and no odor,poorly devepoed porosity

Ls,white,gray,foss,chalky,poor visible

Ls,white,gray,bioclastic,chalky, with gray Chert

Shale,gray,green,black

Ls,gray,sub oomoldic,chalky, scattered porosity(barren)

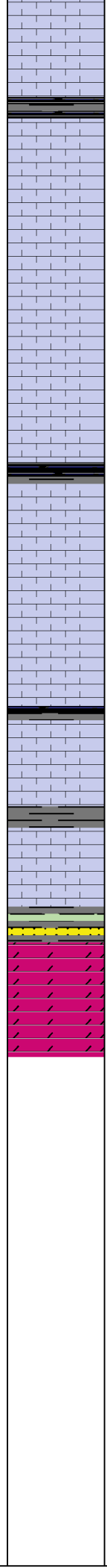
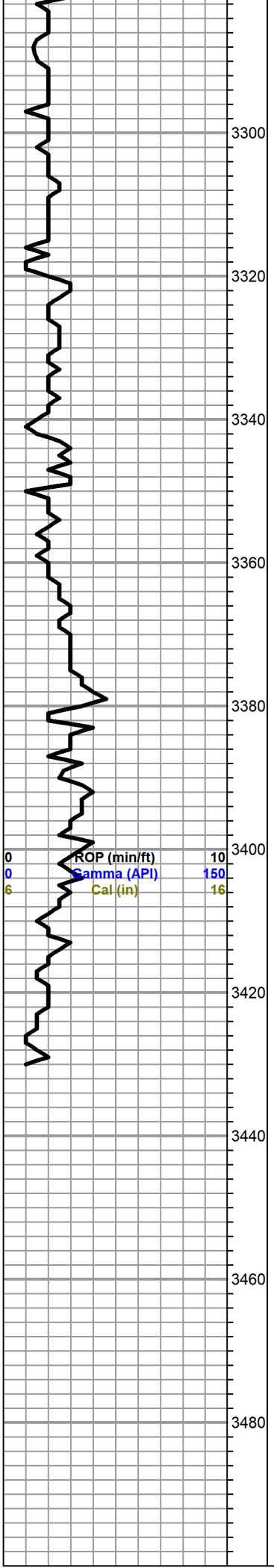
Ls,tan,gray,dense with gray, boney Chert

Ls,white,gray,oomoldic,fair oomoldic porosity, (barren)

ditto as above

0	Total Gas (units)	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  
 @ 3000 ft.  
 0000 hrs.  
 0/0/13  
 Vis. 50 Wt.  
 9.2  
 PV 18 YP 32  
 WL 11.2  
 Cake 1/32,  
 pH 9.0  
 CHL 6000  
 ppm  
 Ca 160 ppm  
 Sol 6.1 LCM  
 10#  
 DMC \$0  
 CMC \$0



Ls,tan,gray,dense

Shale,gray,black,

Ls,gray,tan,dense with Chert

Ls,tan,oomoldic, fair oomoldic porosity, no shows

Ls,gray,tan,highly oolitic, slightly cherty, poor visible porosity,no show

Shale,gray,black

Ls,gray,cream,fxln,foss,chalky,poor visible porosity,trace black and brown stain,trace of free oil (black tarry) no odor

Ls,tan,gray,dense

Shale,gray,green,soft

Ls,tan, white, fossiliferous in part, poor visible porosity, no show

as above trace white Chert

**BASE KANSAS CITY 3406(-1470)**

Shale,gray,black,dark gray trace Sand,white, vfg, ppor visible porosity. no show

**ARRBUCKLE 3412(-1476)**

Dolomite,white,cream,pink, fine and medium crystalline,poor porosity (barren)

Dolomite,white,cream, sucrosic,poor porosity, no show

**ROTARY TOTAL DEPTH 3431(-1495)**

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100