

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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FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

KET NUMBER 0918
 LOCATION Victoria
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-18-23	34556	Hoffman #2	6	16	13	Barton
CUSTOMER Patterson Energy LLC			TRUCK #		DRIVER	
MAILING ADDRESS PO Box 400			203		Derek T	
CITY Hays			201		Chris K	
STATE KS					Tom W	
ZIP CODE 67601						

JOB TYPE Sur Face HOLE SIZE 12 1/4" HOLE DEPTH 477' CASING SIZE & WEIGHT 23# 8 3/8"
 CASING DEPTH 477' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 25.01 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: On location 6:45 pm. Hooked up to head 4:30 am. Mix 250 gal surface blend. Displace 29 bbl + shut in. 5:50 am

Thanks Tom + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PLOO2	1	PUMP CHARGE <u>Sur Face</u>	\$950.00	\$950.00
M001	32	MILEAGE	\$6.50	\$208.00
M002	11.81	Tan Mileage deliveries	\$300.00	\$300.00
CB007	250 sacks	80/20 3% cc 2% gel	\$20.90	\$5,225.00
			sub total	\$6,183.00
			less 5% disc.	\$334.15
			sub total	\$6,348.85
			SALES TAX	372.28
			ESTIMATED TOTAL	6721.13

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

KET NUMBER 0920
 LOCATION Victoria
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-22-23	34988	Hoffman 2	6	16	13 W	Barton
CUSTOMER Patterson Energy			TRUCK #			
MAILING ADDRESS PO Box 400			DRIVER			
CITY Hox 5			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67601			TRUCK #			
			DRIVER			

JOB TYPE Long string HOLE SIZE _____ HOLE DEPTH 3420' CASING SIZE & WEIGHT 5 1/2" 15.5#
 CASING DEPTH 3418' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safer moving & ran float equipment. Hooked up head & man. Fold Circulate 1 hr. mix 500 gal mud flush & 20 BM wash plug RK & m it w/ 50 sf. mix 145 sf AWL wash clean & displace plug. Land plug at 5:45 pm

Thanks Tom & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC004	1	PUMP CHARGE	\$950.00	\$950.00
MO01	32	MILEAGE	\$6.50	\$208.00
MO02	9.84 tons	Ton Mileage Delivers	\$60.00	\$600.00
CB081	145 sf	Class A 90% salt 5# kalsol	\$27.00	\$3915.00
CB009	505 sf	Gal 49 49 gal	\$16.10	\$805.00
FE0033	1	5 1/2" AFU guide shoe	\$400.00	\$400.00
FE051	1	5 1/2" latch down plug assy	\$495.00	\$495.00
FE014	6	5 1/2" turbolizer	\$80.00	\$480.00
FE022	2	5 1/2" basket	\$275.00	\$550.00
FE102	2	5 1/2" stop ring	-	-
CP013	500 gal	mud flush	\$1.00	\$500.00
CP014	2 gal	KCL	\$30.00	\$60.00
			sub total	\$8913.00
			less 5% disc.	\$448.15
			sub total	\$8514.85
			SALES TAX	513.36
			ESTIMATED TOTAL	9028.21

AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

OPERATOR

Company: Patterson Energy, LLC.
 Address:

Contact Geologist:
 Contact Phone Nbr:

Well Name: Hoffman #2

Location:

API:

Pool:

State:

Field:

Country:

Scale 1:240 Imperial

Well Name: Hoffman #2

Surface Location:

Bottom Location:

API:

License Number:

Spud Date: 4/18/2023

Time: 12:00 PM

Region:

Drilling Completed:

Time:

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 8.00ft

K.B. Elevation: 1921.00ft

Logged Interval: 0.00ft

To: 0.00ft

Total Depth: 0.00ft

Formation: Arbuckle

Drilling Fluid Type:

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: 0

Latitude: 0

N/S Co-ord:

E/W Co-ord:

LOGGED BY

Company:

Address: P.O. Box 1260
 Hays, KS 67601

Phone Nbr: 785-635-5586

Logged By: Geologist

Name: Jason T Alm

CONTRACTOR

Contractor: Discovery Drilling Co., Inc.

Rig #: 2

Rig Type: Mud Rotary

Spud Date: 4/18/2023

Time: 12:00 PM

TD Date:

Time:

Rig Release:

Time:

ELEVATIONS

K.B. Elevation: 1921.00ft
 K.B. to Ground: 1913.00ft







Ground Elevation: 8.00ft

NOTES

Well Top Comparison

	Patterson Energy Hoffman #2	Charter Energy Hoffman #1	Cities Service Bauman #5
Anhydrite Base	889' +1032 920' +1001	NA NA	875' +1035 (-3) NA
Topeka	2804' -883	-886 (+3)	NA
Heebner	3034' -1113	-1115 (+2)	NA
Toronto	3048' -1127	-1131 (+4)	NA
Douglas	3065' -1144	-1148 (+4)	NA
Lansing	3103' -1182	-1185 (+3)	NA
Arbuckle	3338' -1417	-1420 (+3)	-1431 (+14)
TD	3420' -1499		

ROCK TYPES

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

ACCESSORIES

STRINGER




 Shale

OTHER SYMBOLS

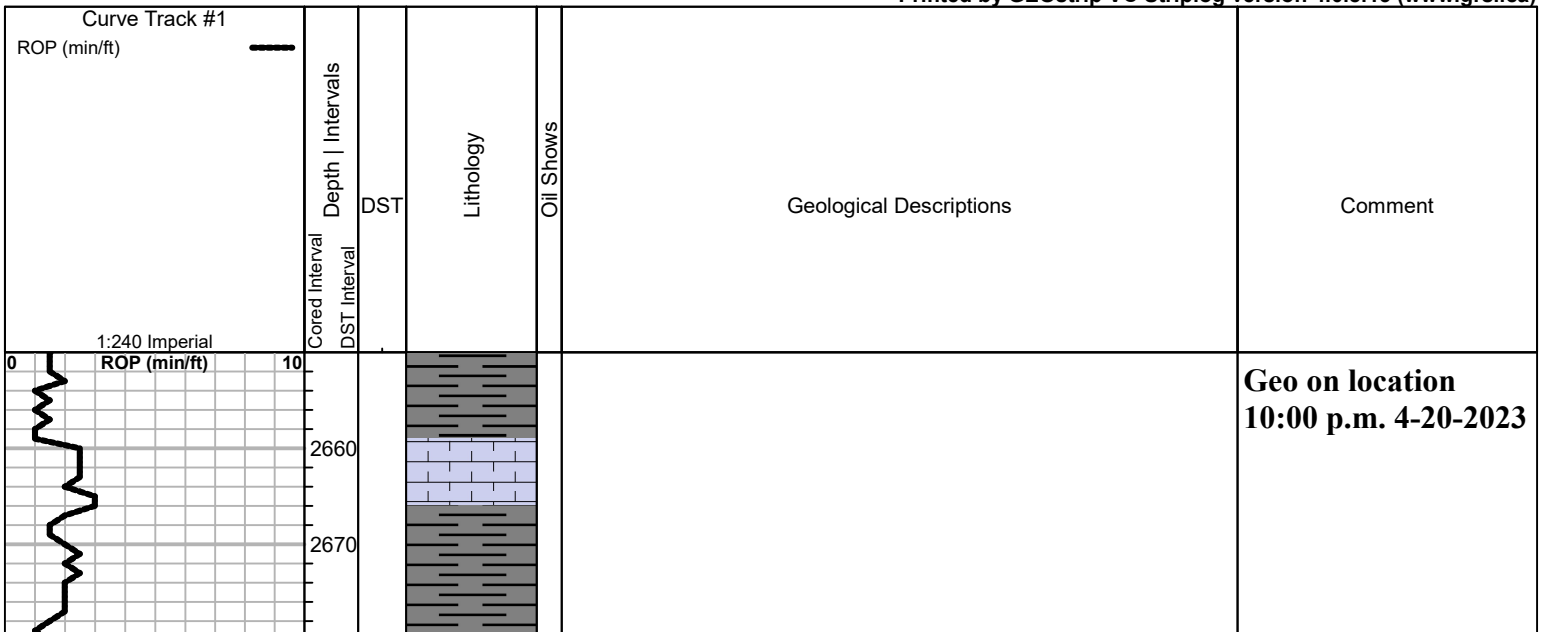
OIL SHOWS

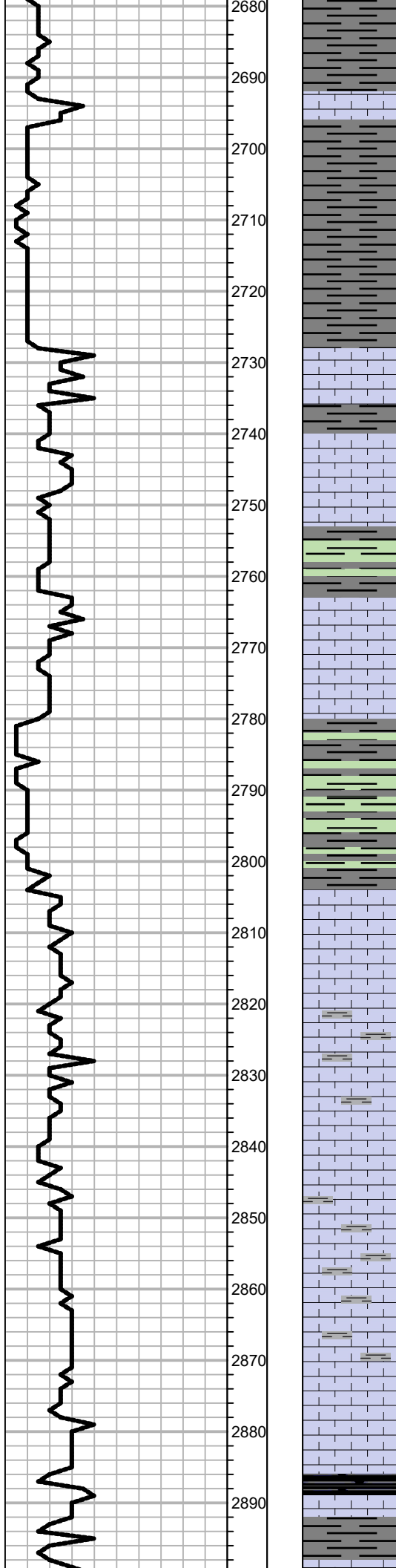
- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

DST

-  DST Int
-  DST alt
-  Core
-  tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





Ls - Tan, subxln, dns, fossil in part

Ls - Tan-lt gry, fn xln, ool in part w/ fair moldic por, barren

Sh - Gry-grn, soft

Ls - Tan-lt gry, fn-subxln, ool in part, mostly dns

Sh - Gry-grn

Sh - ala

Topeka 2804' -883

Ls - Tan-lt gry, fn xln, sl fossil in part, dns

Ls - ala, sl mottled w/ gry sh

Ls - Tan, fn xln w/ scat pinpoint interxln por, barren

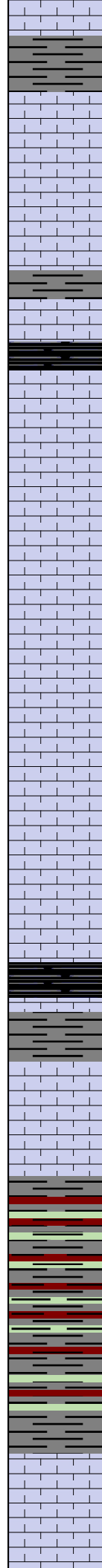
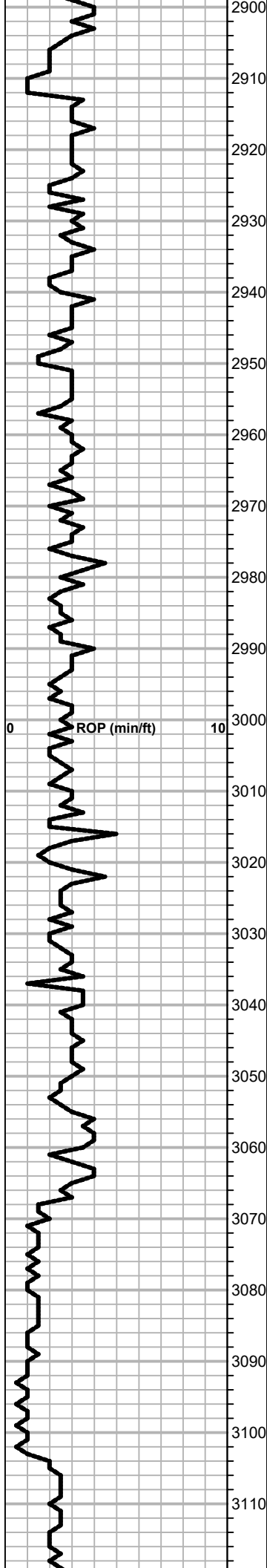
Ls - Tan-lt gry, subxln, dns, sl mottled w/ gry sh, fossil in part

Ls - ala

Ls - ala

Sh - Blk, carb

Sh - Gry-brn



Sh- ala

Ls - Tan, fn-subxln, ool in part, mostly dns

Ls - ala

Sh - Gry

Sh - Blk, carb

Ls - Tan, fn-subxln, sl fossil, dns

Ls - Tan-lt gry, fn xln, sl fossil w/ poor-scat fair inter-fossil & vuggy por, scat tarry oil st, sl sfo, lt odor, no fluor

Ls - Tan-gry, fn xln, sl fossil, ool in part w/ fair scat moldic & vuggy por, lt-fair tarry oil st in por, sl sfo, lt odor, no fluor

Ls - Tan-lt gry, fn-subxln, sl fossil, mostly dns

Ls - ala

Ls- ala

Heebner 3034' -1113

Sh - Blk, carb

Toronto 3048' -1127

Ls - Offwh, fn xln, ool in part w/ fair ooc por, lt spot oil st in por, v sl sfo in smpl & cup, lt odor, dull yel fluor

Douglas 3065' -1144

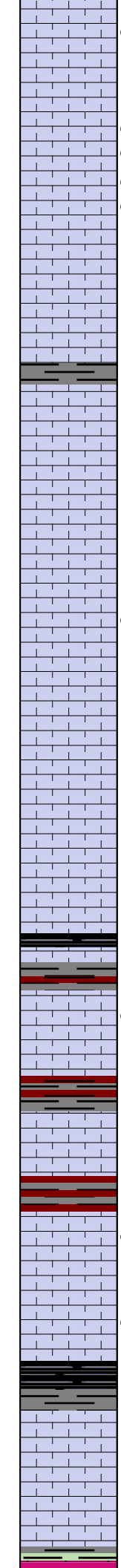
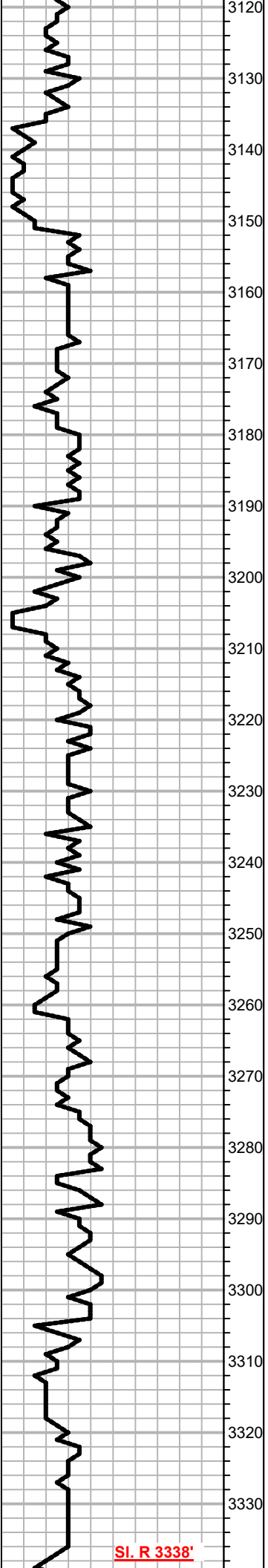
Sh - Gry-brn-grn

Sh - ala, few pcs dirty siltstone

Sh - Sltst - ala

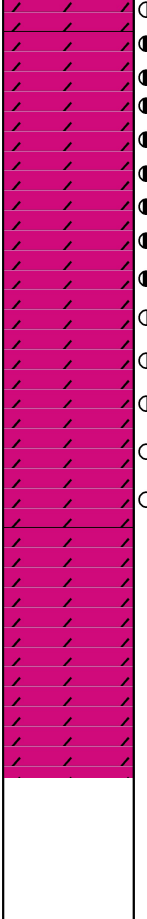
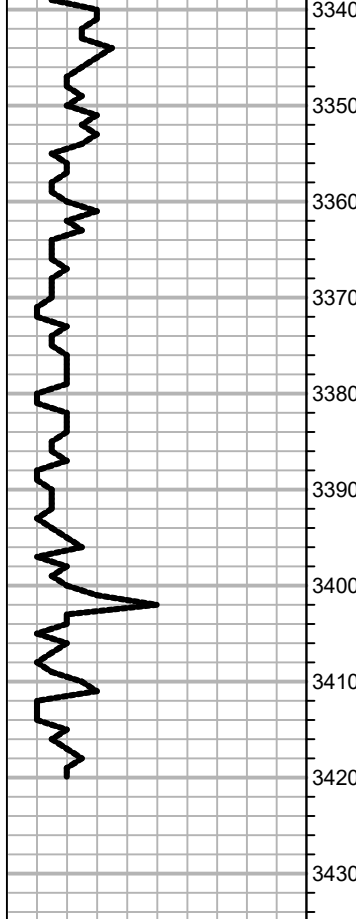
Lansing 3103' -1182

Ls - Tan-offwh, fn xln, ool pkst in part w/ scat poor ooc por, few pcs w/ lt brn oil st in por, sl sfo on cup, lt odor, v scat dull yel fluor



3120 ● Ls - Tan-offwh, fn xln, ool pkst in part w/ fair scat
 ooc por, lt-fair oil st in por, lt spot sat, fair odor, lt
 yel fluor
 3130
 3140 ● Ls - Tan, fn xln, ool pkst w/ good moldic por, scat
 ● lt brn oil st, few rxns w/ v lt sat, fsfo on cup, lt odor,
 ● lt spot yel fluor
 3150
 Ls - Tan, fn xln, ool in part, mostly dns
 3160
 Ls - ala
 3170
 Ls - Tan-lt gry, fn-subxln, ool in part, dns
 3180
 Ls - ala, mostly dns
 3190
 3200 ● Ls - Wht-offwh, fn xln, ool pkst w/ good moldic
 por, mostly barren, few rxns w/ v lt spot oil st, sl
 sour odor
 3210
 Ls - Offwh, fn-subxln, ool in part, dns
 3220
 Ls - ala
 3230
 Ls - Tan-gry, subxln, dns, sl chert-g;ry-blk
 3240
 Sh - Blk, carb
 3250
 Sh - Gry-brn
 3260 ● Ls - Tan-brn, fn xln, ool pkst in part w/ poor ooc
 por, lt-fair oil st in por, few rxns w/ spot lt sat, sl sfo
 when broken, lt odor, dull yel fluor
 3270
 Sh - Gry-brn
 Ls - Tan, fn-subxln, dns
 3280
 Sh - Gry-brn
 3290 ● Ls - Tan, fn xln, ool in part w/ poor scat moldic
 por, lt spot oil st in por, mostly dns, lt spot oil st in
 por. nsfo
 ● Ls - ala, poor-fair moldic por, lt-fair spot oil st, sl
 sfo when broken, lt odor
 3300
 3310 Sh - Blk, carb
 3320
 Ls - Tan-lt gry, fn-subxln, ool pkst in part, dns
 3330

Mud Check @ 3130'
 VIS 45
 WT 9.0
 FIL 9.2
 PH 10.0
 CHL 4k



● Dolo - Offwh-tan, fn sucxln w/ poor-fair scat
interxln por, lt-fair oil st, few rxns w/ lt spot sat, sl
sfo, good odor, fair yel fluor

● Dolo - Offwh-tan, fn-med rhombic xln w/ fair
interxln & scat vuggy por, lt-fair oil st, scat lt sat,
fsfo in smpl & cup, strong odor, fair yel fluor

○ Dolo - ala, fair-good interxln & vuggy por, sl sfo

○ Dolo - Offwh-tan, fn-med rhombic xln w/ fair-
good interxln & scat vuggy por, scat lt-fair spot oil
st, sl sfo on cup, strong odor, dull scat yel fluor

Dolo - ala, barren

Dolo - ala

Total Depth 3420' -1499



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

August 30, 2023

Zach Patterson
Patterson Energy LLC
PO BOX 400
HAYS, KS 67601-0400

Re: ACO-1
API 15-009-26391-00-00
HOFFMAN 2
SW/4 Sec.06-16S-13W
Barton County, Kansas

Dear Zach Patterson:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 4/18/2023 and the ACO-1 was received on August 29, 2023 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department