

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

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	Hayes Oil & Gas LLC
Well Name	R. MCDANIEL B-3
Doc ID	1669837

All Electric Logs Run

Gamma
Neutron Density
Micro
Dual Induction





**CEMENT TREATMENT REPORT**

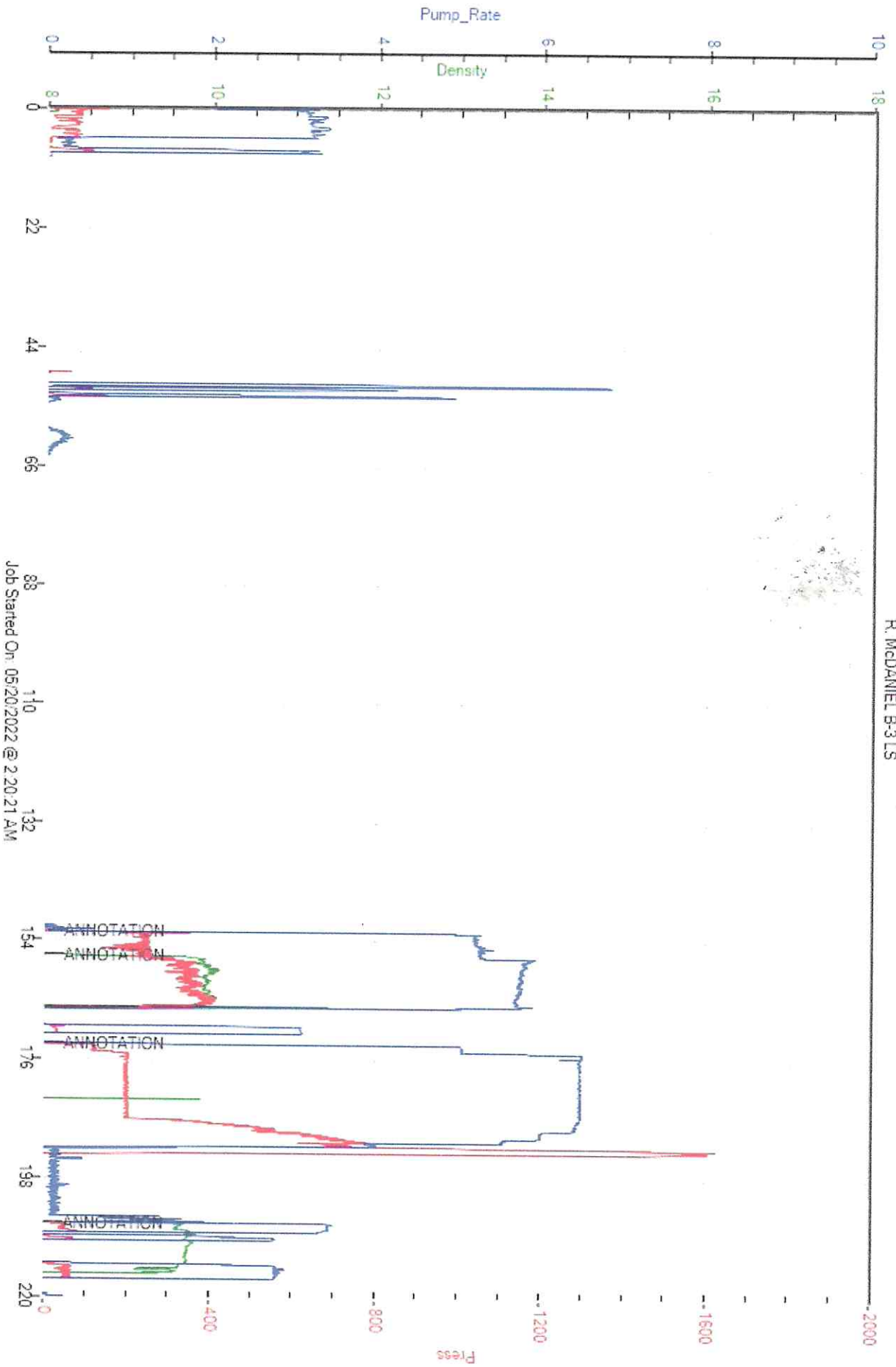
Customer:	HAYES OIL AND GAS, LLC	Well:	R. McDANIEL B-3	Ticket:	WP 2833
City, State:		County:	BARBER, KS.	Date:	5/19/2022
Field Rep:	DAVE PAULY	S-T-R:	24-32S-10W	Service:	LONGSTRING

Downhole Information		MIXED	Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in		Blend:		Blend:	H-LONG
Hole Depth:	4771 ft	Weight:	ppg	Weight:	15 ppg	
Casing Size:	5 1/2 in	Water / Sx:	gal / sx	Water / Sx:	6.0 gal / sx	
Casing Depth:	4770 ft	Yield:	ft <sup>3</sup> / sx	Yield:	1.42 ft <sup>3</sup> / sx	
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.	
PLUG DEPTH:	4727.8 ft	Depth:	ft	Depth:	ft	
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls	
Tool Depth:	ft	Excess:		Excess:		
Displacement:	115.0 bbls	Total Slurry:	0.0 bbls	Total Slurry:	44.3 bbls	
		Total Sacks:	0 sx	Total Sacks:	175 sx	

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
9:30PM			-	-	ON LOCATION- SPOT EQUIPMENT
11:00PM			-	-	RUN 110 JTS. 5 1/2" MIXED CASING OF 15.5# = 2403' AND 14# = 2351'
///////			-	-	TURBOLIZERS- 1,3,5,7,9,11,13,15,17,19
///////			-	-	BASKET- 13
1:15AM			-	-	CASING ON BOTTOM
1:30AM			-	-	HOOK UP TO CASING - BREAK CIRCULATION WITH RIG PUMP AND MUD
2:30AM	5.0	400.0	5.0	5.0	H2o AHEAD
2:32AM	5.0	400.0	24.0	29.0	MUDFLUSH
2:37AM	5.0	350.0	5.0	34.0	H2o SPACER
2:39AM	5.0	300.0	44.3	78.3	MIX 175 SKS H-LONG CEMENT @ 15 PPG
2:48AM				78.3	SHUT DOWN- CLEAR PUMP AND LINES- DROP LATCHDOWN PLUG
2:55AM	6.0	-	-		START DISPLACEMENT
3:08AM	6.0	400.0	82.0		LIFT PRESSURE
3:18AM	4.0	800.0	110.0		SLOW RATE
3:20AM	3.0	1,500.0	115.0		PLUG DOWN- HELD
					CIRCULATION THRU JOB
3:35AM					RATHOLE = 30 SKS H-PLUG
3:45AM					MOUSEHOLE = 20 SKS H-PLUG
4:00AM					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	926	Average Rate	Average Pressure	Total Fluid
Pump Operator:	CLIFTON	179-521	4.9 bpm	519 psi	385 bbls
Bulk #1:	CONTRERAS (RH)	181-533			
Bulk #2:					

HAYES OIL AND GAS  
R. McDANIEL B-31S





# GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY Hayes Oil + Gas LLC  
 LEASE R McDaniel NO. B-3  
 LOCATION 3300' ESL + 1980' FEL  
 SEC. 24 TWP. 32S RNG. 10W  
 COUNTY Barber, STATE Kansas  
 FIELD Sharon

ELEVATIONS  
 KB 1448  
 DF 1447  
 GL 1436  
 MEASUREMENTS ARE  
 ALL FROM KB

CONTRACTOR Fossil Drilling

CASING RECORD  
 8 5/8" O.D. 227 W / 200 S.X.  
 O.D. \_\_\_\_\_ W / \_\_\_\_\_ S.X.  
 O.D. \_\_\_\_\_ W / \_\_\_\_\_ S.X.

COMM. 5-16-2022 COMP. 5-19-2022

EL. LOG DIL-ENL/CDL  
MEL

No. of DST'S None No. of CORES None

SAMPLES SAVED FROM 4500 TO TD

DRILLING TIME KEPT FROM 4500 TO TD

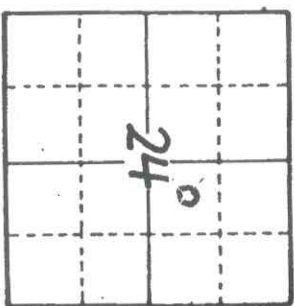
SAMPLES EXAMINED FROM 4500 TO TD

GEOLOGICAL SUPERVISION FROM 4487 TO TD

GEOLOGIST ON WELL Edwin H. Graives

**FORMATION TOPS**

FORMATION TOPS	SAMPLE	LOG	SUBSEA
<u>Kinderhook Sh</u>	<u>4573</u>	<u>4572</u>	<u>-3124</u>
<u>Chataanooga Sh</u>	<u>4621</u>	<u>4618</u>	<u>-3170</u>
<u>Viola</u>	<u>4660</u>	<u>4660</u>	<u>-3212</u>
<u>Simpson Sh</u>	<u>4743</u>	<u>4743</u>	<u>-3295</u>
<u>Simpson S&amp;ST</u>	<u>4763</u>		
<u>TD</u>	<u>4775</u>	<u>4771</u>	

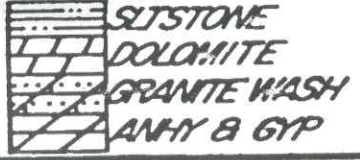
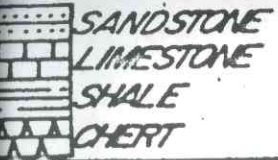


API# 15-007-20812-  
00-01

MARKS No Gas Detector was used.



LITHOLOGY



CHROMATOGRAPH

HOT WIRE BY  
TOTAL GAS VOLUME

- C1 = METHANE
- C2 = ETHANE
- C3 = PROPANE
- C4 = ISOBUTANE
- C5 = BUTANE
- C6 = ISOPENTANE
- C7 = PENTANE

DRILL TIME SCALE 5 10 15	SAMPLE DESCRIPTION	DEPTH	GAS SCALE 10 100 1000		
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Old Well Drilled Deeper  
with new KB Start At 4487

Lms. dolomitic to trs dolomite;  
tan, grayish. IP's; crypto to uv. fn. x/n.  
sub-chlk., sub-sucro, p. chert. 4500  
ie. dense tile thred, + TRS  
sub-lithogr.; dul. yel. fluor.  
No cut; No vis por

Sh med to dk gray, trs greenish  
GRY.

Lms. lt tan to tan, grayish. IP's;  
crypto. to uv. fn. x/n; trs sub-chlk  
sub-sucro, p. chert + TRS.  
sub-lithogr.; hvy. trs dull lt.  
yel. fluor.; No cut; No vis por.  
w/ hvy. trs. chert lt. to med gray  
opaque to transl.

Kindcahook Sh  
4573-3125



Sh. med to drk. gray

4600

Sh med to drk gray w/abn v.drk. gray

Chatanooga Sh  
4621-3173

Sh v.drk gray to blk + brown;  
v. to extmly. carb; trs to  
hvy trs finely disseminated  
pyrite

Viola  
4660-3212

Dolo. Lms. to trs Dolo.; tan, grayish lps  
crypto to v.v. fn. xln; sub-chlk,  
sub-sucro to trs sucro.  
hvy trs to abn. phzom oolitic  
No fluor except for four  
cutting found in 4700-4710  
samp.; v.v. fn gr. sucro lmy Dol.  
w/bet. yel. fluor w/good ring  
cuts & poss. interxln por

4700

Lms. tan, crypto to v.v. fn. xln.  
sub-sucro, packstn. and  
sub-lithogr. trs sh dolomite  
w/v. widely scattered trs  
w/show similar 4660-4706

Simpson Sh  
4743-3295

Sh. greenish gray. To grayish green  
& red w/trs lt gray

Simpson Sdst  
4763-3315

Qtz Sdst. lt. to med. gray; v. fn to  
trs fn gr; ang to sub-rtnded  
& trs rtnded; pr to fr sort;  
trs sh. grs - med. to drk gray;  
No fluor; No cut; hvy trs pr. to  
fr micro-pp to intergr. Por;  
frizble lps

TD 4775

4800

OPERATOR	Hayes Oil + Gas LLC	LOCATION	3300' FSL + 1980' FEL
LEASE	R. McDaniel	SEC.	24
ELEVATION	1448 KB	TWP.	32 S
RTD	4775	RNG.	10 W
		COUNTY	Barber
		STATE	Kansas