

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](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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Pauley, Gary dba Pauley Oil
Well Name	HARLOW 1-30
Doc ID	1440816

All Electric Logs Run

Microresistivity
Sonic
Dual Comp Porosity
Dual Induction







**Company: Pauley Oil**  
**Lease: Harlow #1-30**

SEC: 30 TWN: 16S RNG: 10W  
 County: ELLSWORTH  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 2  
 Elevation: 1879 GL  
 Field Name: Schlessiger  
 Pool: Pool Ext  
 Job Number: 233

**Operation:**  
 Test Complete

**DATE**  
 September  
**18**  
 2018

DST #1    Formation: Lans/KC "H-K"    Test Interval: 3175 - 3240'    Total Depth: 3240'  
 Time On: 09:15 09/18    Time Off: 16:56 09/18  
 Time On Bottom: 11:57 09/18    Time Off Bottom: 14:42 09/18

Recovered

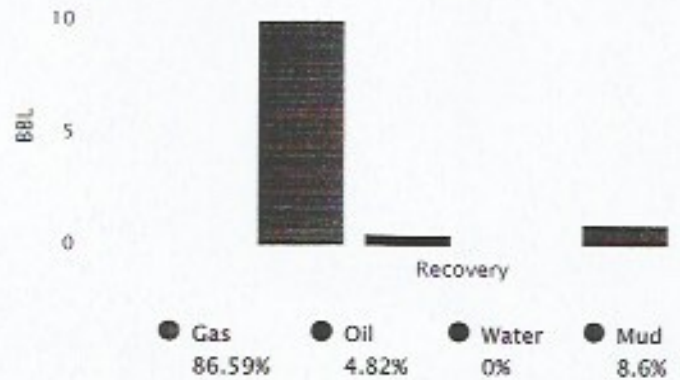
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
710	10.1033	G	100	0	0	0
45	0.64035	HOCM	0	30	0	70
65	0.92495	HOCM	0	40	0	60

Total Recovered: 820 ft  
 Total Barrels Recovered: 11.6686

Reversed Out  
 NO

Initial Hydrostatic Pressure	1505	PSI
Initial Flow	13 to 35	PSI
Initial Closed in Pressure	474	PSI
Final Flow Pressure	37 to 58	PSI
Final Closed in Pressure	751	PSI
Final Hydrostatic Pressure	1501	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**





**Company: Pauley Oil**  
**Lease: Harlow #1-30**

SEC: 30 TWN: 16S RNG: 10W  
 County: ELLSWORTH  
 State: Kansas  
 Drilling Contractor: Southwind Drilling,  
 Inc - Rig 2  
 Elevation: 1879 GL  
 Field Name: Schlessiger  
 Pool: Pool Ext  
 Job Number: 233

**Operation:**  
 Test Complete

**DATE**  
 September  
**18**  
 2018

<b>DST #1</b>	<b>Formation: Lans/KC</b> "H-K"	<b>Test Interval: 3175 -</b> 3240'	<b>Total Depth: 3240'</b>
	Time On: 09:15 09/18	Time Off: 16:56 09/18	
	Time On Bottom: 11:57 09/18	Time Off Bottom: 14:42 09/18	

**BUCKET MEASUREMENT:**

1st Open: Weak, surface blow building. BOB in 10 mins. 20 secs.  
 1st Close: No blow back.  
 2nd Open: 8 in. blow building. BOB in 20 secs.  
 2nd Close: No blow back.

**REMARKS:**

Tool Sample: 0% Gas 88% Oil 2% Water 10% Mud









# Mudgrove

Petroleum Geology  
212 Main Street, Claflin KS

## GEOLOGIST'S REPORT

### DRILLING TIME AND SAMPLE LOG

COMPANY Pauley Oil  
 LEASE Harlow #1-30  
 FIELD Schlessiger  
 LOCATION SE- NW-NW-SW (2187' FSL & 558' FWL)  
 SEC 30 TWSP 16S RGE 10W  
 COUNTY ELLSWORTH STATE Kansas

#### ELEVATIONS

KB 1888'  
 DF \_\_\_\_\_  
 GL 1879'  
 Measurements Are All  
 From KB

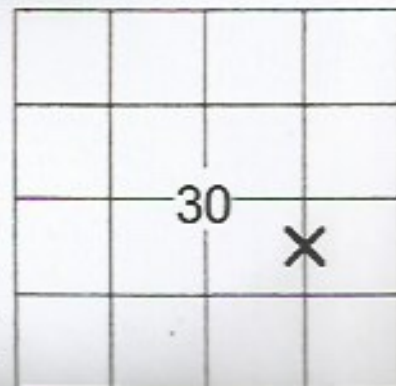
CONTRACTOR Southwind Drilling (Rig #2)  
 SPUD 09/13/2018 COMP 09/19/2018  
 RTD 3450' LTD 3450'  
 MUD UP 2817' TYPE MUD Chemical

CASING  
 SURFACE 8 5/8"@388'  
 PRODUCTION 5 1/2"@3448'

ELECTRICAL SURVEYS  
 PIONEER;  
 CNL/CDL, DIL/BHCS, MICRO

SAMPLES SAVED FROM 2700' TO RTD  
 DRILLING TIME KEPT FROM 2700' TO RTD  
 SAMPLES EXAMINED FROM 2700' TO RTD  
 GEOLOGICAL SUPERVISION FROM 2700' TO RTD  
 GEOLOGIST ON WELL Jim Musgrove

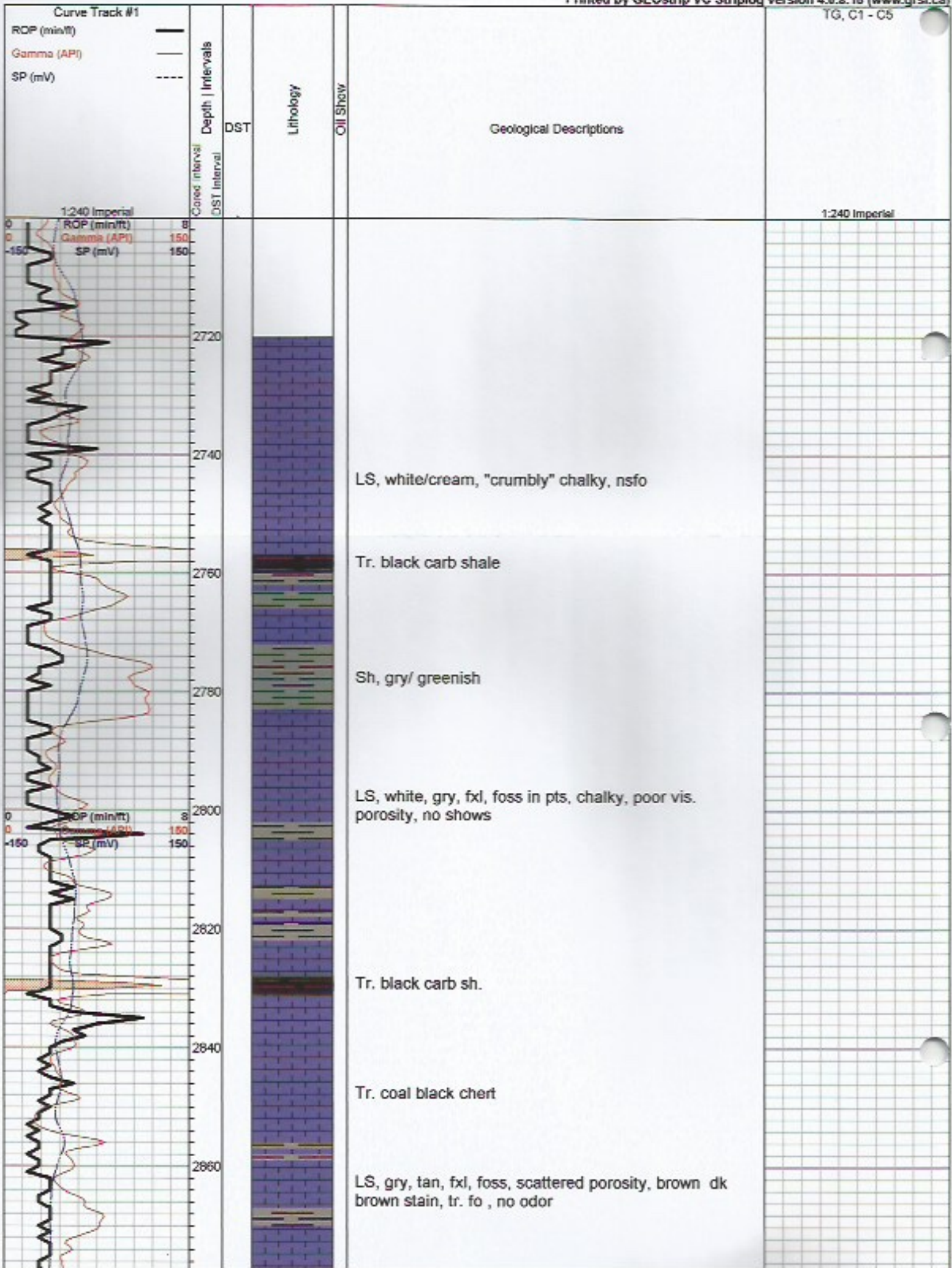
FORMATION TOPS	LOG		SAMPLES	
Anhydrite	679	+1209		
Base Anhydrite	706	+1182		
Heebner	2912	-1024	2914	-1024
Toronto	2931	-1043	2934	-1046
Brown Lime	3014	-1126	3015	-1127
Lansing	3026	-1138	3030	-1142
Base Kansas City	3306	-1418	3310	-1422
Arbuckle	3340	-1452	3341	-1453
RTD	3450	-1562	3450	-1562
LTD	3450	-1562	3450	-1562

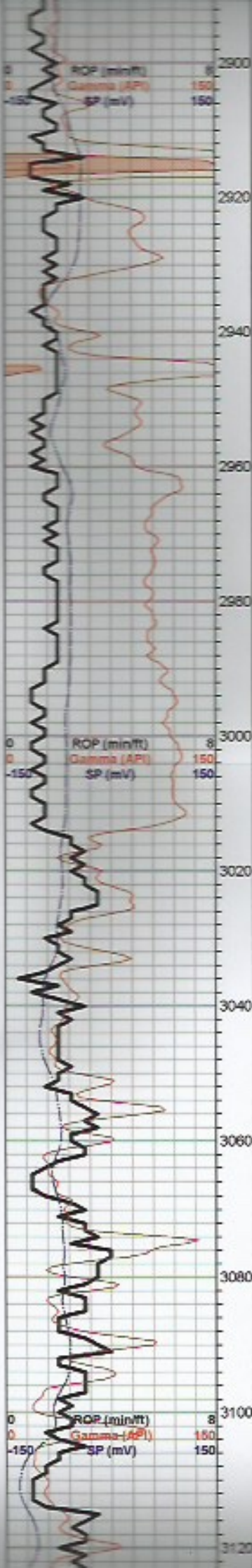


- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- \* Gas

||| tool pipe

TG, C1 - C5





LS, white, fxl, chalky, scattered p.p. porosity, blk stain, nsfo, ??? odor

**Heebner 2914.0 (-1026.0)**

Sh, black carb

Sh, gry, gryish green

**Toronto 2934.0 (-1046.0)**

LS, white/ gry, fxl, few med xin, foss, tr. brown / blk stain, nsfo, no odor

**Douglas 2949.0 (0.0)**

Sh, gry/ gryish green, silty, mica

Sh, a/a, tr. sd. gry/ gryish green vfg. friable, scattered porosity, mica in pts

Sh, a/a

**Brown Lime 3015.0 (-1127.0)**

LS, tan, brown, fxl, slgithly cherty (dense)

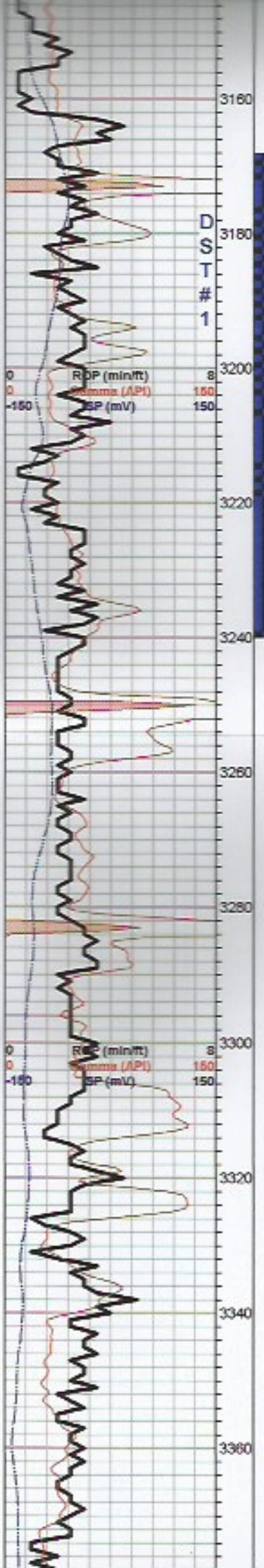
**Lansing 3030.0 (-1142.0)**

LS, white, gry, foss, sub oom in pt, blk / bm stain, tr.sfo, ??? odor

LS, gry, tan, ool, oom, poor - fair oom/ vuggy porosity, tr. brown stain, sfo, show of gas bubbles, ??? odor

LS, a/a

LS, gry, ool, poorly developed tr. brown, / golden bm stain, two (2) w/ tr. fo, no odor



○ a/a, tr. stain/ sfo,(???) cavings from above)

Tr. gry/ black carb Sh

○ LS, gry, white, tan, ool, sub oom, poorly developed tr. stain, wk sfo, no odor , tr. bm stain, tr. fo. no odor

○ LS, white, ool, scattered porosity, brown golden sfo, faint odor

○ LS, white, gry, ool, chalky, tr. stain, tr. fo. no odor

○ LS, white, ool, scattered porosity, brown to golden brown sfo ft. odor

LS, gry, white, chalky, poor vis. porosity, no shows, no odor

Sh, black carb

LS, tan, gry, chalky, ---> inc. cherty, no shows

LS, a/a

Sh, black carb

○ LS, gry, white, tan, fxl, chalky in pt, few foss, tr. bm stain, nsfo, no odor

**BKC 3310.0 (-1422.0)**

Sh, gry. green

LS, white/ gry, dense, no shows

Tr. gry, white, ool cherty

**Arbuckle 3341.0 (-1453.0)**

Dol. tan, fxl, few suc. poor porosity, no shows

Dol. tan, beige, f-med xln , poor vis. porosity (barren)

Dol. gry, white, f- medxln, few suc.poorly developed porosity

○ Dol. gry, white, f-med xln , scattered porosity, tr. stain, tr. fo, ft. odor

**DST#1 3175-3240-30-30-45-60**

**1st Open:**  
BOB 13 mins.

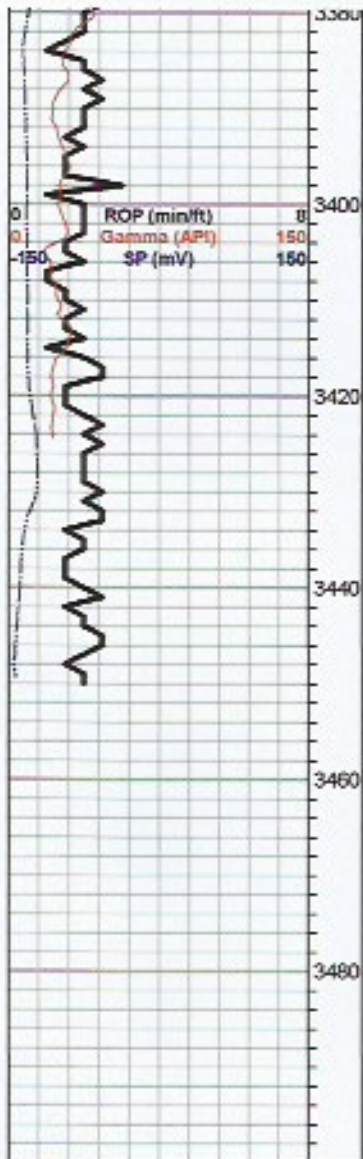
**2nd Open:**  
BOB 20 sec.

**Recovery:**  
710' GIP

45' HOCM  
(30%O, 70%M)

65' HOCM  
(40%O, 60%M)

**Pressures:**  
ISIP 474 psi  
FSIP 751 psi  
IFP 13-35 psi  
FFP 37-56 psi  
HSH 1505-1501 psi



Dol. cream, white, med xln, fair inxln porosity, brn spotty stain, sfo, faint or

Dol. tan, oom, scattered porosity, tr. stain, nsfo, no odor

Dol. cream, white, med xln, fair inxln porosity, brn spotty stain, sfo, ft. odor

Dol. tan, oom, scattered porosity, tr. stain, nsfo, no odor

Dol. tan, fxl, few med xln, suc. dense, abund. tan & gry ool chert, no shows

Dol. a/a, + gry / white boney chert

Dol., white, tan, f- med xln, few w/ chalky luster, no shows

RTD 3450.0 (-1562.0)

LTD 3450.0 (-1562.0)

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1104

Cell 785-324-1041

Date	9-20-18	Sec.	30	Tap.	16	Range	10	County	Ellsworth	State	Ks	On Location		Finish	12:30 AM
Location													Wilson S to Q Rd, Ks, Els		

Lease	Harlow		Well No.	1-30		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	Southwind		#	2		Charge To	Panley oil								
Type Job	Longstring		T.D.	3450'		Street									
Hole Size	5 7/8"		Depth	3430, 35'		City	State								
Csg. 5 1/2" New	15.50#		Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Tbg. Size			Shoe Joint	30.58'		Cement Amount Ordered	175 Com 10% Salt 5% Gibenite								
Tool			Displace	81 BLS		500 gal Mud Clear 48									
Cement Left in Csg.	30.58'					Common	125								
Meas Line						JOB SERVICES & REMARKS									

EQUIPMENT		
Pumptrk	17 No.	Cementor Helper David
Bulktrk	14 No.	Driver Jack
Bulktrk	p.u. No.	Driver Rick

Remarks:

Rat Hole

Mouse Hole

Centralizers ~~supplied~~ 1, 3, 5, 7, 9, 11, 13, 15

Baskets 4

D/W or Port Collar pipe on bottom break circulation pump 500 gal mud clear 48 plug Rathole w/ 30 5x. Hook to 5 1/2" casing + mix 145 5x cement. Shut down wash pump + lines Displaced plug w/ 81 BLS of H<sub>2</sub>O. Released + held.

Lift pressure 600 #

Land plug to 1500 #

Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	15
Flowseal	
Kol-Seal	750 #
Mud CLR 48	500 gal
CFL-117 or CD110 CAP	38
Sand	
Handling	197
Mileage	

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	8
Baskets	1
AFU Inserts	
Float Shoe	1
Latch Down	1

Pumptrk Charge prod string

Mileage 34

X Signature 

Tax	
Discount	
Total Charge	

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

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

No. 949

Date	9-14-18	Sec.	30	Twp.	16	Range	10	County	Ellsworth	State	Ks	On Location		Finish	9:00 PM
------	---------	------	----	------	----	-------	----	--------	-----------	-------	----	-------------	--	--------	---------

Location Wilson Sta Q Rd, 1/2 S, E/S

Lease	Harlow	Well No.	1-30	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	Southwind	#	2	Charge To	Rawley oil
Type Job	Surface	T.D.	388'	Street	
Hole Size	12 1/4"	Depth	<del>388</del> 389'	City	
Csg.	8 5/8"	Depth		State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	196 80% 3 1/2 CC 2% Gel
Cement Left in Csg.	15'	Shoe Joint	15'	Meas Line	
		Displace	23 3/4 BLS		

**EQUIPMENT**

Pumptrk	16	No.		Cementer	David	Common	152
				Helper		Poz. Mix	38
Bulktrk	3	No.		Driver	Doug	Gel.	3
				Driver	Rick	Calcium	7
Bulktrk	p.u.	No.		Driver			

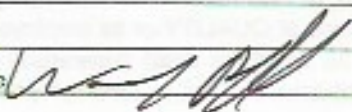
**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	100
		Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	Wood plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge Surface  
Mileage 34

X Signature: 

Tax  
Discount  
Total Charge





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

Phone: 316-337-6200  
Fax: 346-337-6211  
<http://kcc.ks.gov/>

Dwight D. Keen, Chair  
Shari Feist Albrecht, Commissioner  
Jay Scott Emler, Commissioner

Laura Kelly, Governor

February 12, 2019

Gary Pauley  
Pauley, Gary dba Pauley Oil  
314 5TH ST  
CLAFLIN, KS 67525

Re: ACO-1  
API 15-053-21367-00-00  
HARLOW 1-30  
SW/4 Sec.30-16S-10W  
Ellsworth County, Kansas

Dear Gary Pauley:

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 9/14/2018 and the ACO-1 was received on February 09, 2019 (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