

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
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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	Reilly Oil Company, Inc.
Well Name	GWEN 1-4
Doc ID	1656804

All Electric Logs Run

Micro
Compensated Density
Dual Induction
Cement Bond

Form	ACO1 - Well Completion
Operator	Reilly Oil Company, Inc.
Well Name	GWEN 1-4
Doc ID	1656804

Tops

Name	Top	Datum
Anhydrite	1786	+562
Base Anhydrite	1827	+521
Topeka	3495	-1147
Heebner	3734	-1386
Toronto	3751	-1403
Lansing	3767	-1419
BKC	4009	-1661
Pawnee	4127	-1773
Cherokee Sh	4173	-1825
Conglomerate	4209	-1861
Miss	4247	-1899



# FRANKS Oilfield Service

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

TICKET NUMBER 0617  
 LOCATION \_\_\_\_\_  
 FOREMAN \_\_\_\_\_

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-13-22	32686	Green 1-4	4	14	22W	Trego
CUSTOMER Reilly Oil Company Inc			TRUCK #			
MAILING ADDRESS PO Box 277			DRIVER			
CITY Wakeeey			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67672			TRUCK #			
			DRIVER			
			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE \_\_\_\_\_ HOLE DEPTH 218' CASING SIZE & WEIGHT 8 7/8" 23#  
 CASING DEPTH 218' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.4 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 12.5Bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: surface mortar & set up on STPER Circulard mud  
Mix 14.8 slurry blend & displaced with 12.5Bbl shot in.  
Cement did circulate

Plug down-12:00 am

Thanks Tom & Buck

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE <u>Surface</u>	\$1150 <sup>00</sup>	\$1150 <sup>00</sup>
MO01	68	MILEAGE	\$6 <sup>50</sup>	\$442 <sup>00</sup>
MO02	8.09 tons	Ton Mileage Delivery	\$825 <sup>18</sup>	\$825 <sup>18</sup>
LB004	1655#	Class A 290cc 290 gal <u>23#</u>	\$24 <sup>50</sup>	\$4042 <sup>50</sup>
CP006	35#	Flu seal	\$3 <sup>00</sup>	\$114 <sup>00</sup>
			sub total	\$6573 <sup>68</sup>
			less 10% disc	\$657 <sup>37</sup>
			sub total	\$5916 <sup>31</sup>
			SALES TAX	280.56
			ESTIMATED TOTAL	6196.87

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

TICKET NUMBER 0629  
 LOCATION Hoxie  
 FOREMAN Tam Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-23-22	32656	Gwen 1-4	4	14	22 W	Trego
CUSTOMER Reilly Oil Company Inc			TRUCK #			
MAILING ADDRESS Po Box 277			DRIVER			
CITY Wakeeney			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67672			TRUCK #			
			DRIVER			

JOB TYPE DV Tool HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 5 1/2"  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8/11.5 SLURRY VOL 1.4/2.54 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting + set up on GPT#2 Run pipe equipment.  
Hooked up head + circulated 1hr. Mix 175 ss o/w + displaced with plug  
925.5 Bbl water + made Drugged dart + circulated 3 hrs. Pump 10 Bbl  
mud flush again Followed by 300 ss 60/40 slugel ~~2~~ 270 down hole  
+ 30 ss in Rth Displaced with plug with 45 Bbl. Brake off manifold  
+ racked up  
Cement did circulate  
Plug down 11am  
Thanks Tam + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
72004	1	PUMP CHARGE DV Tool	\$2500 <sup>00</sup>	\$2500 <sup>00</sup>
MO01	68	MILEAGE	\$650	\$442 <sup>00</sup>
MO02	23.72	Tan Mileage Delivery	\$2419 <sup>44</sup>	\$2419 <sup>44</sup>
CB030	175 ss	Class A O/W	\$28 <sup>55</sup>	\$4996 <sup>25</sup>
CB021	300 ss	60/40 slugel 1/4" slugel	\$17 <sup>35</sup>	\$5205 <sup>00</sup>
FE013	9	5 1/2" turbo	\$108 <sup>00</sup>	\$972 <sup>00</sup>
FE022	3	5 1/2" basket	\$385 <sup>00</sup>	\$1155 <sup>00</sup>
FE096	20	20 5 1/2" reciprocating scratchers	\$75 <sup>00</sup>	\$1500 <sup>00</sup>
FE0033	1	5 1/2" AF guide shoe	\$600 <sup>00</sup>	\$600 <sup>00</sup>
FE051	1	5 1/2" hatch down plug assy.	\$695 <sup>00</sup>	\$695 <sup>00</sup>
FE089	1	3 1/2" DV Tool	\$4200 <sup>00</sup>	\$4200 <sup>00</sup>
CP013	1000 gal	mud flush	\$1 <sup>00</sup>	\$1000 <sup>00</sup>
CP014	2 gal	KCB	\$30 <sup>00</sup>	\$60 <sup>00</sup>
		sub total		\$25,744.69
		less 10% disc.		\$2,574.47
				\$23,170.22
		SALES TAX		1382.16
		ESTIMATED TOTAL		24658.38

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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# Company: Reilly Oil Company, Inc

## Lease: Gwen #1-4

SEC: 4 TWN: 14S RNG: 22W  
County: TREGO  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
Uploading recovery & pressures

**DATE**  
June  
**21**  
2022

**DST #1**      **Formation: Cherokee Sand**      **Test Interval: 4165 - 4218'**      **Total Depth: 4218'**  
Time On: 00:19 06/21      Time Off: 09:34 06/21  
Time On Bottom: 04:01 06/21      Time Off Bottom: 06:16 06/21

Electronic Volume Estimate:  
1905'

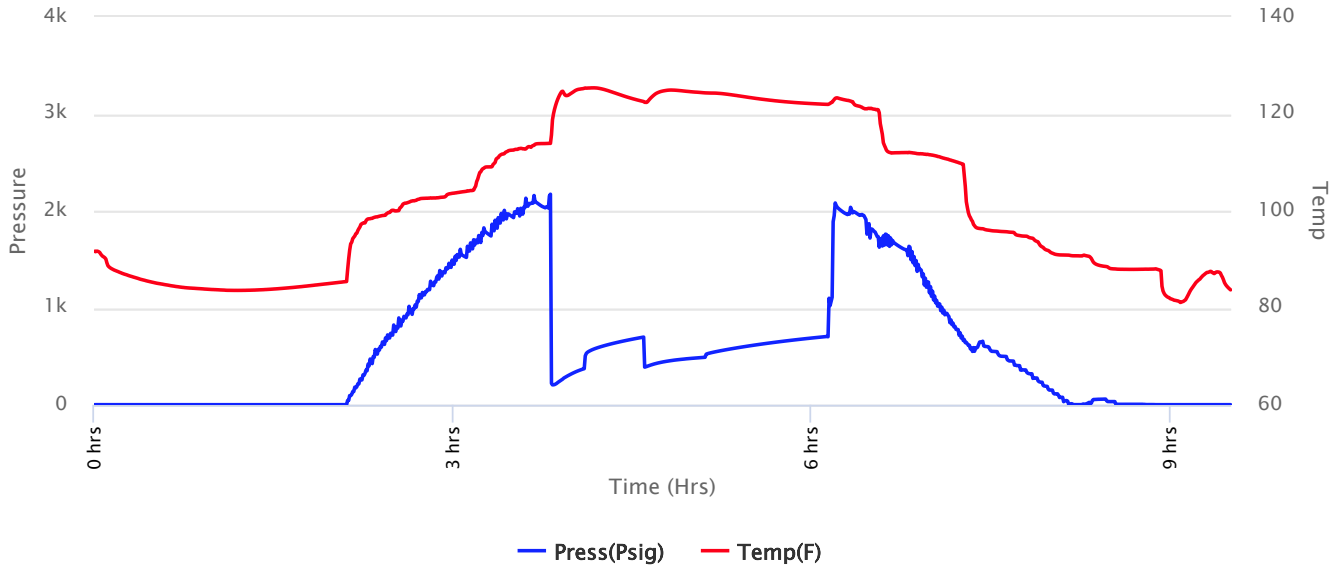
1st Open  
Minutes: 15  
Current Reading:  
117.1" at 15 min  
Max Reading: 117.1"

1st Close  
Minutes: 30  
Current Reading:  
5.8" at 30 min  
Max Reading: 5.8"

2nd Open  
Minutes: 30  
Current Reading:  
61.0" at 30 min  
Max Reading: 61.0"

2nd Close  
Minutes: 60  
Current Reading:  
8.8" at 60 min  
Max Reading: 8.8"

Inside Recorder







# Company: Reilly Oil Company, Inc

## Lease: Gwen #1-4

SEC: 4 TWN: 14S RNG: 22W  
 County: TREGO  
 State: Kansas  
 Drilling Contractor: STP Drilling, LLC - Rig 1  
 Elevation: 2341 GL  
 Field Name: Spruce  
 Pool: Infield  
 Job Number: 576  
 API #: 15-195-23138

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 June  
**21**  
 2022

**DST #1**      **Formation: Cherokee Sand**      **Test Interval: 4165 - 4218'**      **Total Depth: 4218'**  
 Time On: 00:19 06/21      Time Off: 09:34 06/21  
 Time On Bottom: 04:01 06/21      Time Off Bottom: 06:16 06/21

Recovered

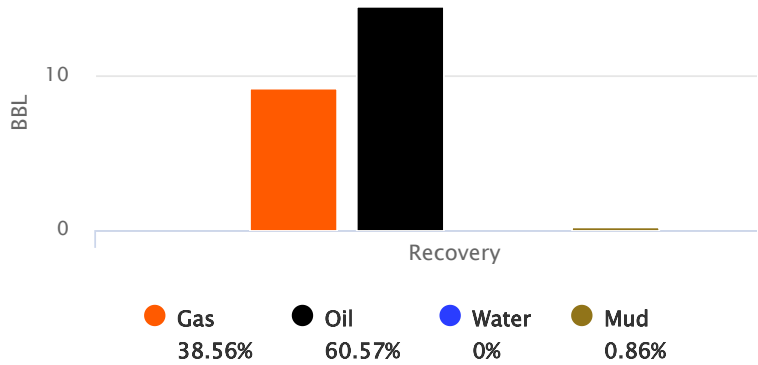
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
475	6.75925	G	100	0	0	0
1100	15.653	SLGCO	15	85	0	0
180	1.4710128	SLGCSLMCO	7	79	0	14

Total Recovered: 1755 ft  
 Total Barrels Recovered: 23.8832628

Reversed Out  
**NO**

Initial Hydrostatic Pressure	2030	PSI
Initial Flow	207 to 373	PSI
<b>Initial Closed in Pressure</b>	<b>697</b>	<b>PSI</b>
Final Flow Pressure	388 to 490	PSI
<b>Final Closed in Pressure</b>	<b>702</b>	<b>PSI</b>
Final Hydrostatic Pressure	2027	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**



GIP cubic foot volume: 51.7105



# Company: Reilly Oil Company, Inc

## Lease: Gwen #1-4

SEC: 4 TWN: 14S RNG: 22W  
County: TREGO  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
Uploading recovery & pressures

**DATE**  
June  
**21**  
2022

<b>DST #1</b>	<b>Formation:</b> Cherokee Sand	<b>Test Interval: 4165 - 4218'</b>	<b>Total Depth: 4218'</b>
	Time On: 00:19 06/21	Time Off: 09:34 06/21	
	Time On Bottom: 04:01 06/21	Time Off Bottom: 06:16 06/21	

### BUCKET MEASUREMENT:

1st Open: 3" blow building to BOB 1 min.

1st Close: 5 1/2" BB

2nd Open: 2" blow building to BOB 2 min.

2nd Close: 8 1/2" BB

### REMARKS:

Tool Sample: 15% Gas 85% Oil 0% Water 0% Mud

Gravity: 32.7 @ 60 °F



# Company: Reilly Oil Company, Inc

## Lease: Gwen #1-4

SEC: 4 TWN: 14S RNG: 22W  
County: TREGO  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
Uploading recovery & pressures

**DATE**  
June  
**21**  
2022

**DST #1**      **Formation:** Cherokee Sand      **Test Interval:** 4165 - 4218'      **Total Depth:** 4218'  
Time On: 00:19 06/21      Time Off: 09:34 06/21  
Time On Bottom: 04:01 06/21      Time Off Bottom: 06:16 06/21

### Down Hole Makeup

<b>Heads Up:</b> 24.71 FT	<b>Packer 1:</b> 4160.18 FT
<b>Drill Pipe:</b> 4040.2 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4165.18 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4149.6 FT
<b>Collars:</b> 117.12 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4206 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 52.82	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 5 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.82 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 13 FT <i>4 1/2-FH</i>	



**Company: Reilly Oil Company,  
Inc**

**Lease: Gwen #1-4**

SEC: 4 TWN: 14S RNG: 22W  
County: TREGO  
State: Kansas  
Drilling Contractor: STP Drilling, LLC -  
Rig 1  
Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
June  
**21**  
2022

**DST #1**      **Formation:**  
**Cherokee Sand**      **Test Interval: 4165 -**  
                                              **4218'**      **Total Depth: 4218'**  
Time On: 00:19 06/21      Time Off: 09:34 06/21  
Time On Bottom: 04:01 06/21      Time Off Bottom: 06:16 06/21

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 53      **Filtrate:** 6.0      **Chlorides:** 3,100 ppm



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Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
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**DST #1**      **Formation:** Cherokee Sand      **Test Interval:** 4165 - 4218'      **Total Depth:** 4218'  
Time On: 00:19 06/21      Time Off: 09:34 06/21  
Time On Bottom: 04:01 06/21      Time Off Bottom: 06:16 06/21

### Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D





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SEC: 4 TWN: 14S RNG: 22W  
 County: TREGO  
 State: Kansas  
 Drilling Contractor: STP Drilling, LLC - Rig 1  
 Elevation: 2341 GL  
 Field Name: Spruce  
 Pool: Infield  
 Job Number: 576  
 API #: 15-195-23138

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 June  
**21**  
 2022

**DST #2**      **Formation: Cherokee**      **Test Interval: 4217 - 4235'**      **Total Depth: 4235'**  
 Time On: 16:41 06/21      Time Off: 01:18 06/22  
 Time On Bottom: 20:05 06/21      Time Off Bottom: 22:05 06/21

Electronic Volume Estimate:  
 0'

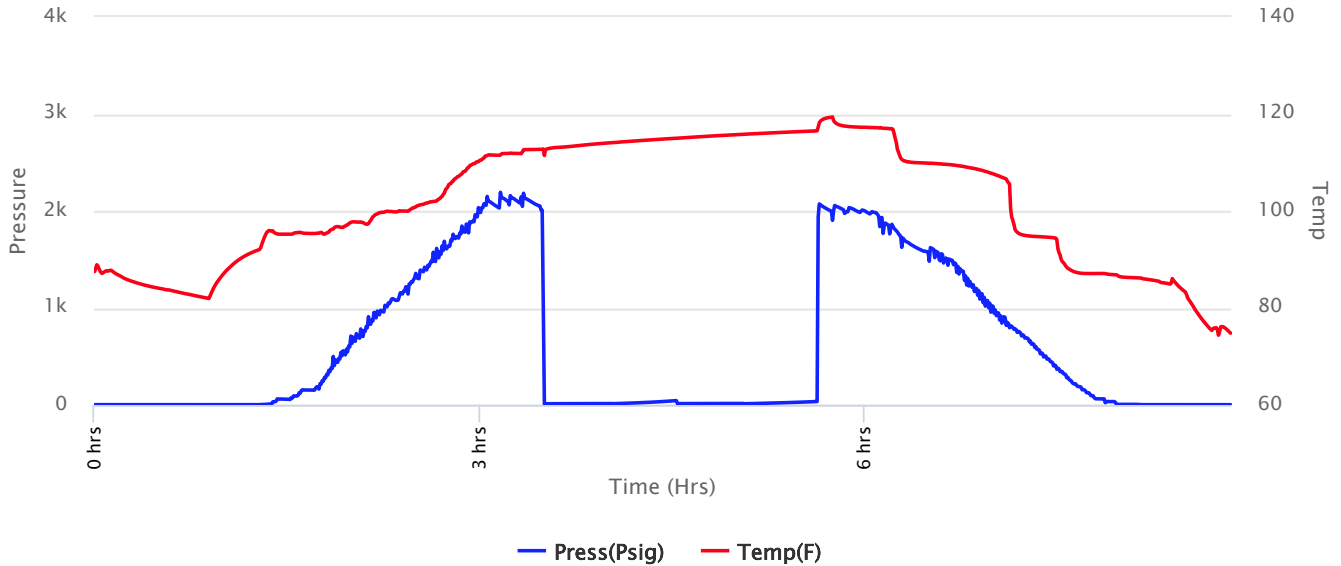
1st Open  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

1st Close  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

2nd Open  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

2nd Close  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

Inside Recorder





# Company: Reilly Oil Company, Inc

## Lease: Gwen #1-4

SEC: 4 TWN: 14S RNG: 22W  
 County: TREGO  
 State: Kansas  
 Drilling Contractor: STP Drilling, LLC - Rig 1  
 Elevation: 2341 GL  
 Field Name: Spruce  
 Pool: Infield  
 Job Number: 576  
 API #: 15-195-23138

**Operation:**  
 Uploading recovery & pressures

**DATE**  
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 2022

**DST #2**      **Formation: Cherokee**      **Test Interval: 4217 - 4235'**      **Total Depth: 4235'**  
 Time On: 16:41 06/21      Time Off: 01:18 06/22  
 Time On Bottom: 20:05 06/21      Time Off Bottom: 22:05 06/21

Recovered

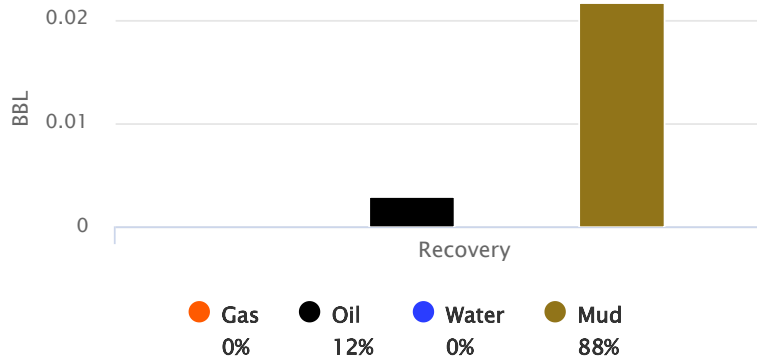
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	SLOCM	0	12	0	88

Total Recovered: 5 ft  
 Total Barrels Recovered: 0.0246

Reversed Out  
 NO

Initial Hydrostatic Pressure	2047	PSI
Initial Flow	9 to 13	PSI
<b>Initial Closed in Pressure</b>	<b>43</b>	<b>PSI</b>
Final Flow Pressure	12 to 14	PSI
<b>Final Closed in Pressure</b>	<b>34</b>	<b>PSI</b>
Final Hydrostatic Pressure	2040	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	22.4	%

**Recovery at a glance**



GIP cubic foot volume: 0



**Company: Reilly Oil Company,  
Inc**

**Lease: Gwen #1-4**

SEC: 4 TWN: 14S RNG: 22W  
County: TREGO  
State: Kansas  
Drilling Contractor: STP Drilling, LLC -  
Rig 1  
Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
June  
**21**  
2022

<b>DST #2</b>	<b>Formation:</b> Cherokee	<b>Test Interval: 4217 -</b> <b>4235'</b>	<b>Total Depth: 4235'</b>
	Time On: 16:41 06/21	Time Off: 01:18 06/22	
	Time On Bottom: 20:05 06/21	Time Off Bottom: 22:05 06/21	

**BUCKET MEASUREMENT:**

1st Open: Surface blow throughout period

1st Close: No BB

2nd Open: Surface blow lasting 8 min.

2nd Close: No BB

**REMARKS:**

Tool Sample: 0% Gas 7% Oil 0% Water 93% Mud



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**DST #2**      **Formation: Cherokee**      **Test Interval: 4217 - 4235'**      **Total Depth: 4235'**  
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### Down Hole Makeup

<b>Heads Up:</b> 4.70999999999999 FT	<b>Packer 1:</b> 4212 FT
<b>Drill Pipe:</b> 4072.02 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4217 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4201.42 FT
<b>Collars:</b> 117.12 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4219 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 18	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 0 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 17 FT <i>4 1/2-FH</i>	



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Rig 1  
Elevation: 2341 GL  
Field Name: Spruce  
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**Operation:**  
Uploading recovery &  
pressures

**DATE**  
June  
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**DST #2**      **Formation:**  
**Cherokee**      **Test Interval: 4217 -**  
**4235'**      **Total Depth: 4235'**  
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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 58      **Filtrate:** 5.8      **Chlorides:** 3,600 ppm





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## Lease: Gwen #1-4

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Elevation: 2341 GL  
Field Name: Spruce  
Pool: Infield  
Job Number: 576  
API #: 15-195-23138

**Operation:**  
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**DST #2**      **Formation: Cherokee**      **Test Interval: 4217 - 4235'**      **Total Depth: 4235'**  
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### Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



COMPANY Fidelity Oil Company, Inc.  
 LEASE Gwen # 1-4  
 FIELD Spruce  
 LOCATION 2303 E 82nd St. E.E.L.  
 SEC. 4 TWP. 14 S R. 22 W  
 COUNTY LeFlore STATE Kansas  
 CONTRACTOR S.T.P. Drilling Co. Rig # 2  
 SPUD 6-13-22 COMP. 6-22-22  
 SAMPLES SAVED FROM 3470' TO R.T.D.

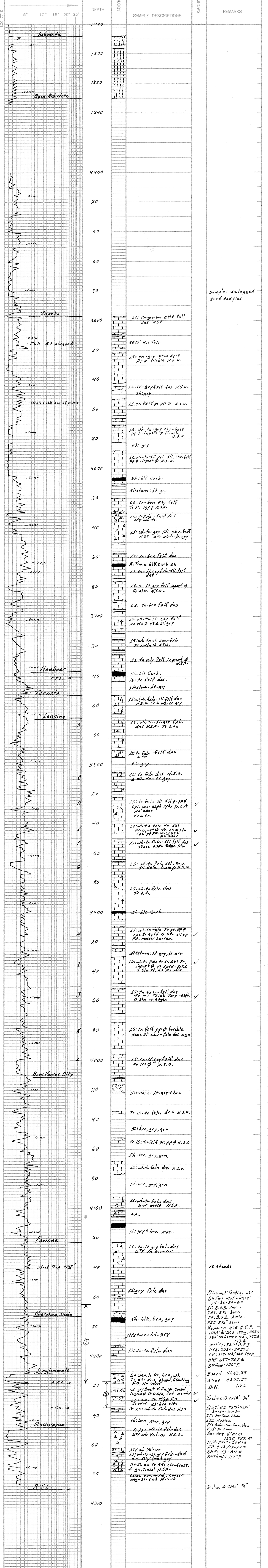
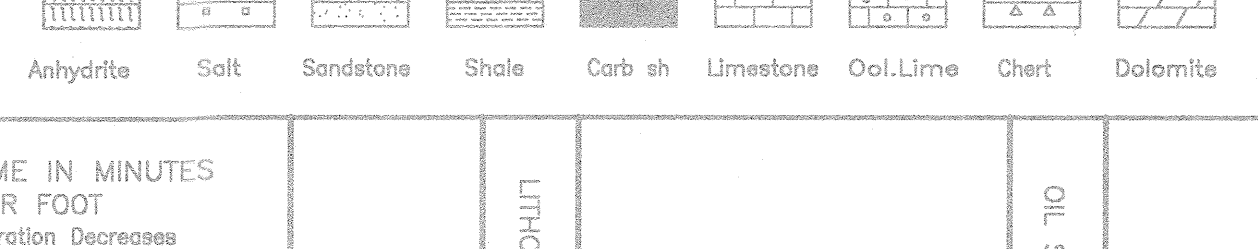
FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SURFACE	E. LOG	DEPTH	A	B	C	D
Anhydrite	1788	1786 + 562	+ 554 + 556				
Base Anhydrite	1830	1827 + 521	+ 517 + 518				
Topeka	3492	3495 - 1147	- 1142				
Heebner	3753	3751 - 1382	- 1389 - 1379				
Toronto	3753	3751 - 1382	- 1389 - 1379				
Lansing	4011	4009 - 1441	- 1433 - 1413				
Base Kansas City	4123	4121 - 1823	- 1826 - 1823				
Pawnee	4173	4173 - 1825	- 1828 - 1819				
Cherokee Sh.	4211	4209 - 1861	- 1864 - 1861				
Conglomerate	4248	4247 - 1899	- 1899 N.R.				
Mississippian							
Total Depth	4290	4289 - 1941	- 1923 - 1995				

REMARKS  
 This well ran 4 feet higher to 6 feet lower on the Lansing top than the reference wells. The Gwen # 1-4 didn't have Cherokee sand development like the reference wells but has Conglomerate that warrants further testing through casing. The zone 4208 to 4215 should be tested.

Richard B. Bell  
6-23-22

LEGEND



Diamond Testing LLC.  
 DST #1 4165'-4218'  
 15-30-30-60  
 IF: B.O.B. 1/min.  
 IS: 5 1/2" blow  
 FF: B.O.B. 2/min.  
 FSI: 8 1/2" blow  
 Recovery: 475 G.I.P.  
 1100' SI: GCO 152g, 85%  
 180' SI: G.MCO 72g, 79%  
 gravity: 32.70 A.P.I.  
 HV: 2030-2027#  
 FP: 207-373/388-490#  
 BHP: 697-702#  
 BH Temp: 126°F  
 Board 4243.33  
 Strap 4242.27  
 Diff: 1.06  
 Incline @ 4218' 34°  
 DST #2 4217'-4235'  
 34-30-30-30  
 IF: Surface blow  
 IS: No blow  
 FF: 8min. Surface blow  
 FSI: No blow  
 Recovery 5'0CM  
 122.0, 88% m  
 HV: 2047-2040#  
 FP: 9-13/12-14#  
 BHP: 43-34#  
 BH Temp: 117°F  
 Incline @ 4240' 32°