

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 |
|--|---|

| 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 | Red Oak Energy, Inc. |
| Well Name | NILS UNIT 1-13 |
| Doc ID | 1602122 |

All Electric Logs Run

| |
|------------|
| |
| CDL/CNL/PE |
| DIL |
| MEL |
| CBL |

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Red Oak Energy, Inc. |
| Well Name | NILS UNIT 1-13 |
| Doc ID | 1602122 |

Tops

| Name | Top | Datum |
|-----------|------|-------|
| B/Anhy | 2717 | 1102 |
| Heebner | 4082 | -290 |
| Marmaton | 4554 | -762 |
| Cherokee | 4713 | -921 |
| Atoka | 4825 | -1033 |
| Morrow Sh | 4980 | -1188 |
| Morrow Ss | 4994 | -1202 |
| Morrow Ls | 5062 | -1270 |

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Red Oak Energy, Inc. |
| Well Name | NILS UNIT 1-13 |
| Doc ID | 1602122 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|------------------------|----------------------|----------------------------|
| Surface | 12.25 | 8.625 | 23 | 388 | Surface Blend | 300 | 3%CC 2% Gel 1/4# |
| | | | | | | | |
| | | | | | | | |
| Production | 7.875 | 5.5 | 17.5 | 5160 | Light weight blend VII | 275 | 60/40POZ, 8% gel, |



785-953-0222

TICKET NUMBER 1300 K
 LOCATION Huron Ks
 FOREMAN Walt Dinkel

FIELD TICKET & TREATMENT REPORT CEMENT

Ks

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|-----------------|------------|--------------------|--|-----------------|-----------------|---------|
| 7-8-2021 | | NILS # 1-13 | 13 | 16 ^s | 42 ^w | Greeley |
| CUSTOMER | | | | | | |
| Kard Ark Energy | | | Tribone north to Rd D west to Rd 7 34N-E | | | |
| MAILING ADDRESS | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| CITY | | | 103 | Edline | | |
| STATE | | | 701-857 | Jones | | |
| ZIP CODE | | | | | | |

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 388' CASING SIZE & WEIGHT 8 5/8 22#
 CASING DEPTH 387' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15' to 20'
 DISPLACEMENT 23 1/2 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Safety meeting, knock on mud in 114, circ casing on bottom mixed 300 sks cement, release Dty + Displaced 22 1/2 PBI 4-8 shut in

*Cement Did Circ
Approx 2 BBL to D.F*

*Thank You
Walt & crew*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|------------|-----------------|
| | 1 | PUMP CHARGE | 1150.00 | 1150.00 |
| | 60 | MILEAGE | 7.15 | 429.00 |
| | 14.1 | Tax Mileage Delivery | 1.75 | 1,480.50 |
| | 300 SKS | Surface Blend IT | 24.00 | 7200.00 |
| | 2 | 8 5/8 Centralizers | 110.00 | 220.00 |
| | 1 | 8 5/8 Wooden Plug | 165.00 | 165.00 |
| | | | | 17,644.50 |
| | | | | - 4,797.98 |
| | | | | 5,854.48 |
| | | | | SALES TAX |
| | | | | ESTIMATED TOTAL |

AUTHORIZATION *Law Gortzel* TITLE Rig manager DATE 7-8-21

I acknowledge that the payments 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.



HP OILFIELD SERVICES, LLC
 504 W. 4TH STREET
 HUGOTON, KANSAS 67951

10/16/2020

QUOTE #

| Name / Address |
|----------------|
| Red Oak energy |

NILS #1-13
 5 1/2 Production 5200', 1000' Fill DV @ 2850'
 Bottom Stage: 160sks,HP-OWC,5lb Kolseal
 500 gal mud Flush
 Top Stage 550sks,60/40poz,8%gel1/4lb Flo-seal
 50sk, for Rat hole and mouse hole

Requested By

Ryan Davis

| Quantity | Item | Description | Cost |
|----------|----------------------------|----------------------|-------------|
| 1 | Pump Charge | | \$2,800.00 |
| 60 | Heavy Equipment Mileage | \$7.15 per mi | \$429.00 |
| 31.17 tn | Cement Delivery | Ton Mileage @ \$1.75 | \$3,272.85 |
| 160 sks | HP-OWC | \$25.00 per sk | \$4,000.00 |
| 550 sks | Lite Weight Blend VII | \$17.50 per sk | \$9,625.00 |
| 800 lbs | Kolseal | \$.50 per lb | \$400.00 |
| 138 lbs | Flo-Seal | \$3.00 per lb | \$414.00 |
| 1 | 5 1/2 AFU Float Shoe | | \$585.00 |
| 1 | 5 1/2 Latch Down Plug assy | | \$400.00 |
| 12 | 5 1/2 Centralizers | \$81.00 ea | \$972.00 |
| 3 | 5 1/2 Baskets | \$385.00 ea | \$1,155.00 |
| 1 | 5 1/2 DV Tool | | \$5,970.00 |
| 500 gal | Mud Flush | \$.65 per gal | \$325.00 |
| | | Sub Total | \$30,347.85 |
| | | Less 45% Discount | \$13,656.53 |
| | | Total | \$16,691.32 |

Price does not include taxes

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Red Oak Energy, Inc.**

LEASE **NILS Unit # 1-13**

FIELD **Wildcat**

LOCATION **1362' FINE & 120' FWL**

SEC **13** TWPSP **16S** RGE **42W**

COUNTY **Greely** STATE **Kansas**

CONTRACTOR **Murfin Drilling Rig #112**

SPUD **7/8/21** COMP **7/14/21**

RTD **5:58** LTD **5:16**

MUD UP **CHEMICAL**

SAMPLES SAVED FROM **3900'** TO **RTD**

DRILLING TIME KEPT FROM **4000'** TO **RTD**

SAMPLES EXAMINED FROM **3900'** TO **RTD**

GEOLOGICAL SUPERVISION FROM **3700'**

REFERENCE WELL **CND, DIL, MIC**

ELEVATIONS
KB **3792'**

DF

GL **3784'**

Measurements Are All From Kelly Bushing

CASING

CONDUCTOR SURFACE **8-5/8"** at **388'**

PRODUCTION

ELECTRICAL SURVEYS

CND, DIL, MIC

Formation

Sample Tops

E-log Tops

Struct Feas.

B/Anhydrite

Heabner SH.

Marmaton

Cherokee SH.

Morrow SH

Morrow SS

Mississipi

2717 (+1075)

4082 (2900)

4354 (2762)

4713 (2911)

4980 (-1188)

4994 (-1202)

NDE

NDE

NDE

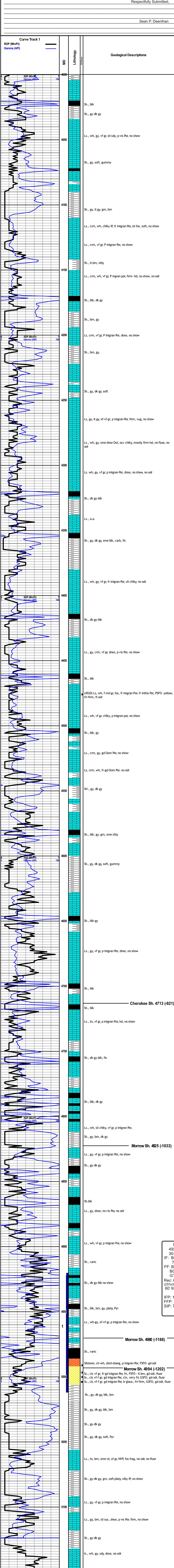
NDE



REMARKS The NILS Unit #1-13 will be further evaluated through 5.5" casing. The drill time was adjusted 7' shallower to correlate better with log depths. All sample tops were 7-10' deep to log depths.

Respectfully Submitted,

Sean P. Deenihan



bit trip @ 4909'

DST #1
4921' - 5012'
30-30-30-60"
IF: BOB in 4" (133"
7" BB
FF: BOB 3" (180")
BOB BB in 5 mir
GTS TSTM
Rec: 620' GMCO
(25%G, 18%M, 56%M),
60' M w/ Oil spots

IFP: 109-259#
FFP: 227-321#
SIP: 778-784#

Stuck in hole after DST #1 3 hrs



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Red Oak Energy

13-16-42W. Greeley, KS

7701 E Kellogg Rd
STE 710
Wichita, KS 67207
ATTN: Kevin Davis

NILS Unit #1-13

Job Ticket: 67655

DST#: 1

Test Start: 2021.07.13 @ 05:06:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:07:10

Time Test Ended: 13:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 4921.00 ft (KB) To 5012.00 ft (KB) (TVD)

Reference Elevations: 3792.00 ft (KB)

Total Depth: 5012.00 ft (KB) (TVD)

3784.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 321.47 psig @ 4922.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.07.13

End Date: 2021.07.13

Last Calib.: 2021.07.13

Start Time: 05:06:01

End Time: 13:26:00

Time On Btm: 2021.07.13 @ 08:06:20

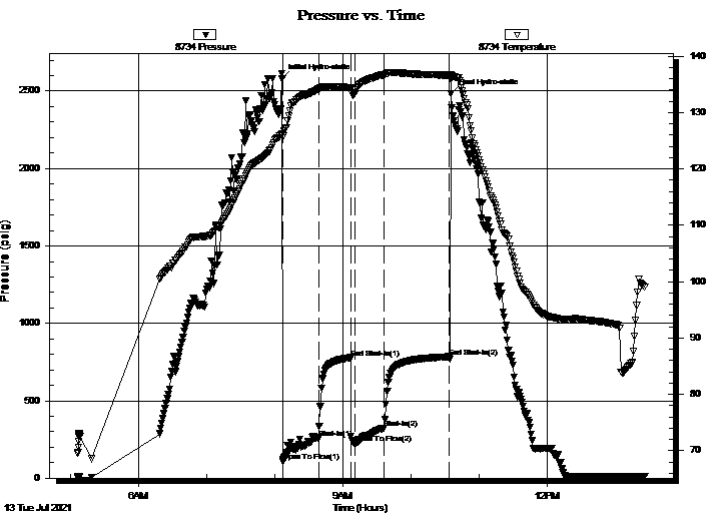
Time Off Btm: 2021.07.13 @ 10:35:09

TEST COMMENT: 30-IF-B.O.B (11inches) @ 4 mins (blow increased to 132 3/4")

30-ISI-Return blow built to 7" & reduced to 5 1/4"

30-FF-B.O.B @ 3 mins (blow increased to 180" & reduced to 149 on 1/8" choke G.T.S @ End of FF

60-FSI-B.O.B @ 5 mins (blow increased to 28" & reduced to 25 1/4"



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2582.37 | 126.23 | Initial Hydro-static |
| 1 | 108.83 | 125.80 | Open To Flow (1) |
| 32 | 258.80 | 134.16 | Shut-In(1) |
| 61 | 777.74 | 134.46 | End Shut-In(1) |
| 65 | 226.70 | 133.57 | Open To Flow (2) |
| 91 | 321.47 | 136.72 | Shut-In(2) |
| 148 | 784.30 | 136.61 | End Shut-In(2) |
| 149 | 2483.08 | 136.68 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 620.00 | GMCO 26%G, 18%M, 56%O | 7.08 |
| 60.00 | 100%M w /Oil spots | 0.84 |
| 0.00 | GTS | 0.00 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Red Oak Energy

13-16-42W. Greeley, KS

7701 E Kellogg Rd
STE 710
Wichita, KS 67207
ATTN: Kevin Davis

NILS Unit #1-13

Job Ticket: 67655

DST#: 1

Test Start: 2021.07.13 @ 05:06:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:07:10

Time Test Ended: 13:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 4921.00 ft (KB) To 5012.00 ft (KB) (TVD)

Reference Elevations: 3792.00 ft (KB)

Total Depth: 5012.00 ft (KB) (TVD)

3784.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4922.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.07.13

End Date: 2021.07.13

Last Calib.: 2021.07.13

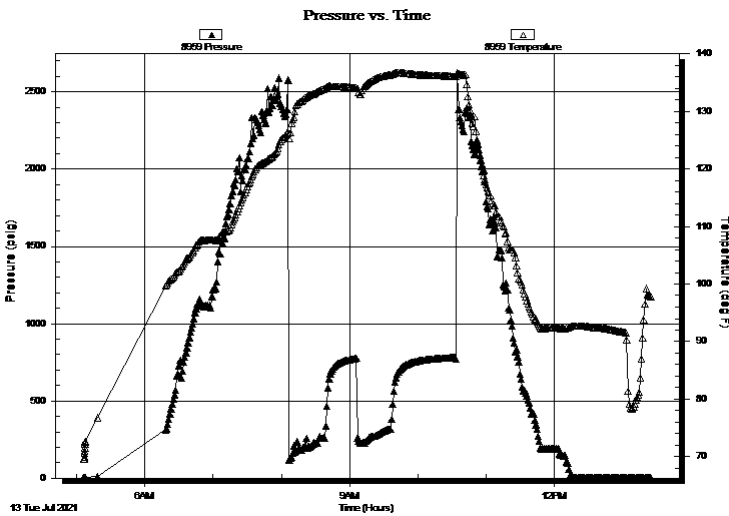
Start Time: 05:06:01

End Time: 13:25:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-B.O.B (11inches) @ 4 mins (blow increased to 132 3/4")
30-ISI-Return blow built to 7" & reduced to 5 1/4"
30-FF-B.O.B @ 3 mins (blow increased to 180" & reduced to 149 on 1/8" choke G.T.S @ End of FF
60-FSI-B.O.B @ 5 mins (blow increased to 28" & reduced to 25 1/4"



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 620.00 | GMCO 26%G, 18%M, 56%O | 7.08 |
| 60.00 | 100%M w /Oil spots | 0.84 |
| 0.00 | GTS | 0.00 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy

13-16-42W. Greeley, KS

7701 E Kellogg Rd
STE 710
Wichita, KS 67207
ATTN: Kevin Davis

NILS Unit #1-13

Job Ticket: 67655

DST#: 1

Test Start: 2021.07.13 @ 05:06:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 60.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------|---------------|
| 620.00 | GMCO 26%G, 18%M, 56%O | 7.075 |
| 60.00 | 100%M w /Oil spots | 0.842 |
| 0.00 | GTS | 0.000 |

Total Length: 680.00 ft Total Volume: 7.917 bbl

Num Fluid Samples: 0

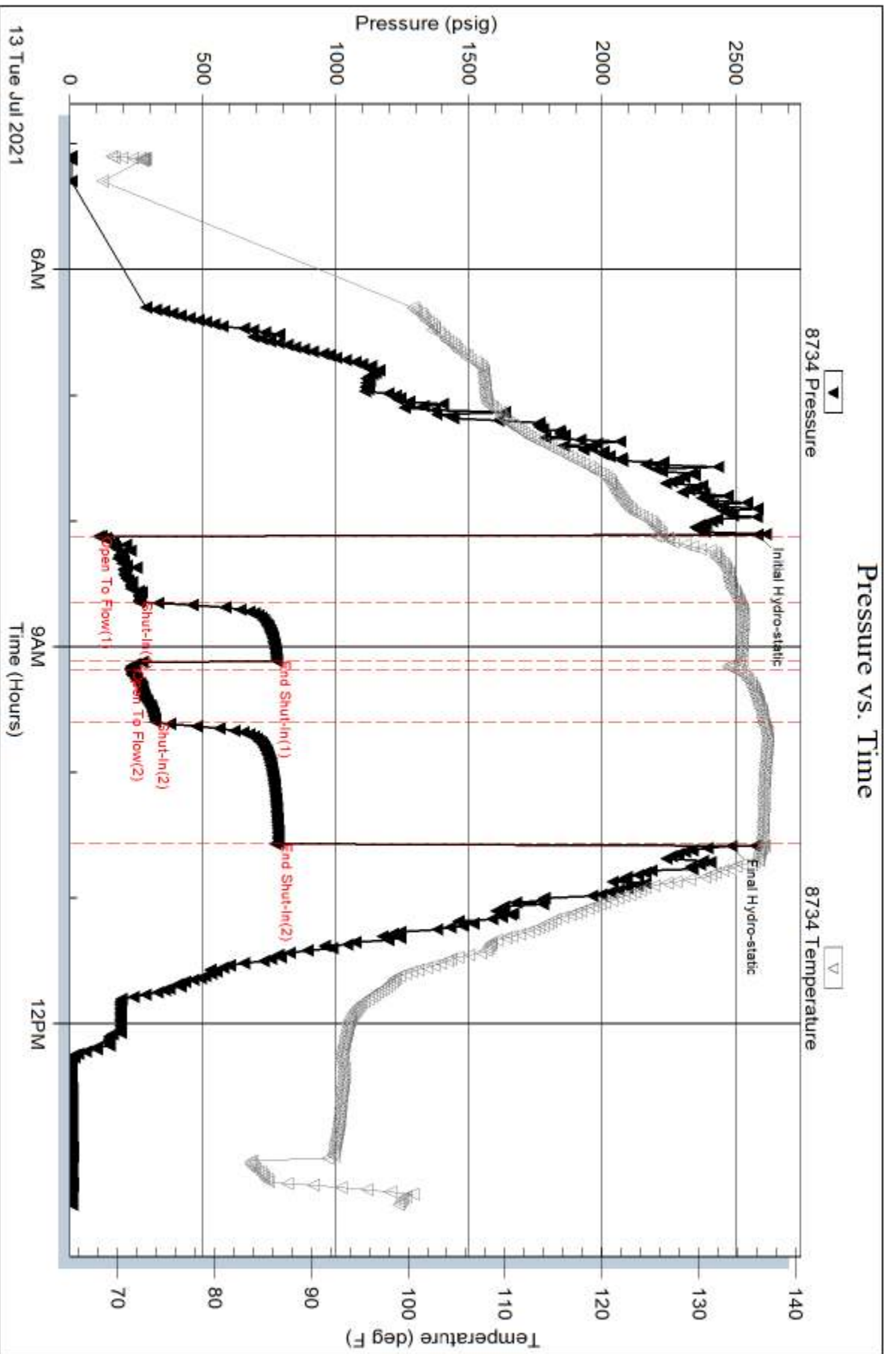
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Not enough oil to get gravity



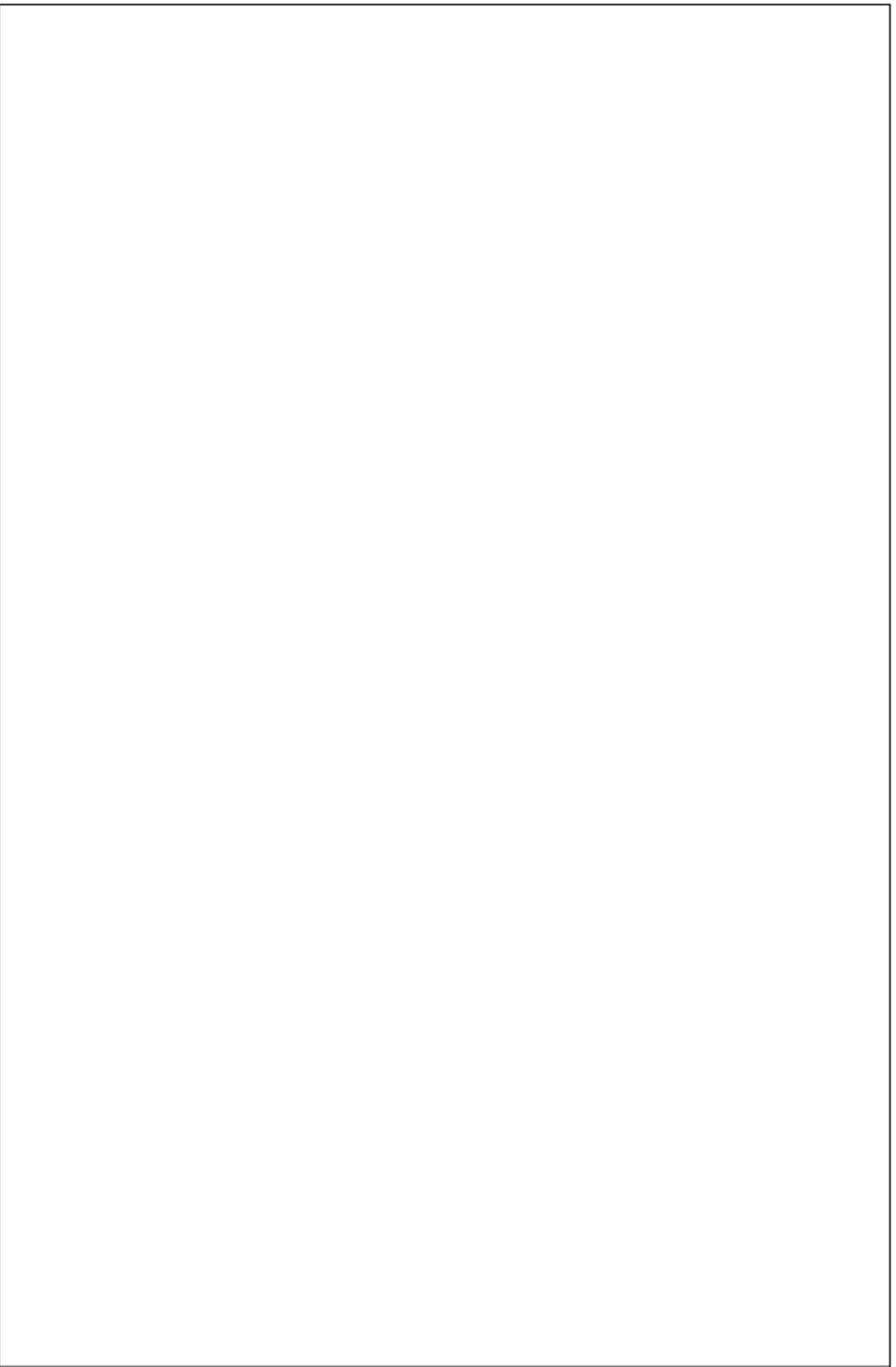
Serial #: 8959

Inside

Red Oak Energy

NILS Unit #1-13

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 67655

Printed: 2021.07.13 @ 16:31:13

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



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

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

Laura Kelly, Governor

December 10, 2021

Ryan Davis
Red Oak Energy, Inc.
7701 E KELLOGG DR STE 710
WICHITA, KS 67207-1738

Re: ACO-1
API 15-071-20895-00-00
NILS UNIT 1-13
NW/4 Sec.13-16S-42W
Greeley County, Kansas

Dear Ryan Davis:

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 7/8/2021 and the ACO-1 was received on December 10, 2021 (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