

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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>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<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><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:<br><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:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|

|           |                             |
|-----------|-----------------------------|
| Form      | ACO1 - Well Completion      |
| Operator  | NEC Operating - Kansas, LLC |
| Well Name | KING OF WHALES 1            |
| Doc ID    | 1731538                     |

All Electric Logs Run

|                |
|----------------|
|                |
| Triple Combo   |
| PE             |
| Micro          |
| Dual Induction |





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Nec Operating Kansas LLC

**Keaton Jones**

542 Silicon Dr Ste 100  
SouthLake, Tx. 76092

**King of Whales**

Job Ticket: 70554

**DST#: 2**

ATTN: Keaton Jones

Test Start: 2023.07.17 @ 04:33:16

## GENERAL INFORMATION:

Formation: **Cher/miss-Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:53:46

Time Test Ended: 11:52:46

Test Type: Conventional Straddle (Reset)

Tester: Eric Burgess

Unit No: 80

**Interval: 4430.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 2094.00 ft (KB)

Total Depth: 4900.00 ft (KB) (TVD)

2086.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 113.56 psig @ 4434.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.07.17 End Date: 2023.07.17

Last Calib.: 2023.07.17

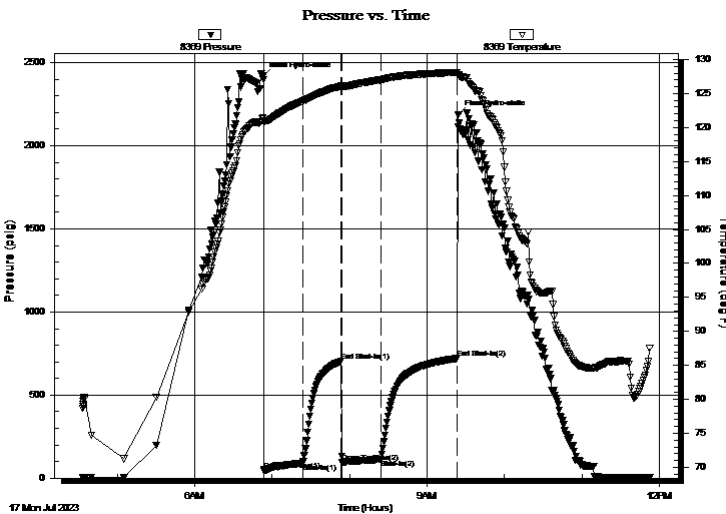
Start Time: 04:33:16 End Time: 11:52:46

Time On Btm: 2023.07.17 @ 06:52:56

Time Off Btm: 2023.07.17 @ 09:24:16

**TEST COMMENT:** IF:Fair Building Blow built to 13.88" (30)  
IS:No Blow Back. (30)  
FF:Fair Building Blow built to 7.32" (30)  
FS:No Blow Back. (60)

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2413.16         | 121.37       | Initial Hydro-static |
| 1           | 45.34           | 120.84       | Open To Flow (1)     |
| 31          | 89.99           | 123.86       | Shut-In(1)           |
| 61          | 704.30          | 126.10       | End Shut-In(1)       |
| 62          | 95.88           | 125.95       | Open To Flow (2)     |
| 92          | 113.56          | 127.01       | Shut-In(2)           |
| 151         | 720.08          | 128.10       | End Shut-In(2)       |
| 152         | 2187.04         | 127.76       | Final Hydro-static   |

## Recovery

| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 119.00      | OSMCW 85%W 15%M | 0.59         |
| 65.00       | WCM 40%W 60%M   | 0.95         |
| 0.00        | 252' GIP        | 0.00         |
|             |                 |              |
|             |                 |              |

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Nec Operating Kansas LLC

**Keaton Jones**

542 Silicon Dr Ste 100  
SouthLake, Tx. 76092

**King of Whales**

Job Ticket: 70554

**DST#: 2**

ATTN: Keaton Jones

Test Start: 2023.07.17 @ 04:33:16

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description     | Volume<br>bbbl |
|--------------|-----------------|----------------|
| 119.00       | OSMCW 85%W 15%M | 0.585          |
| 65.00        | WCM 40%W 60%M   | 0.951          |
| 0.00         | 252' GIP        | 0.000          |

Total Length: 184.00 ft

Total Volume: 1.536 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

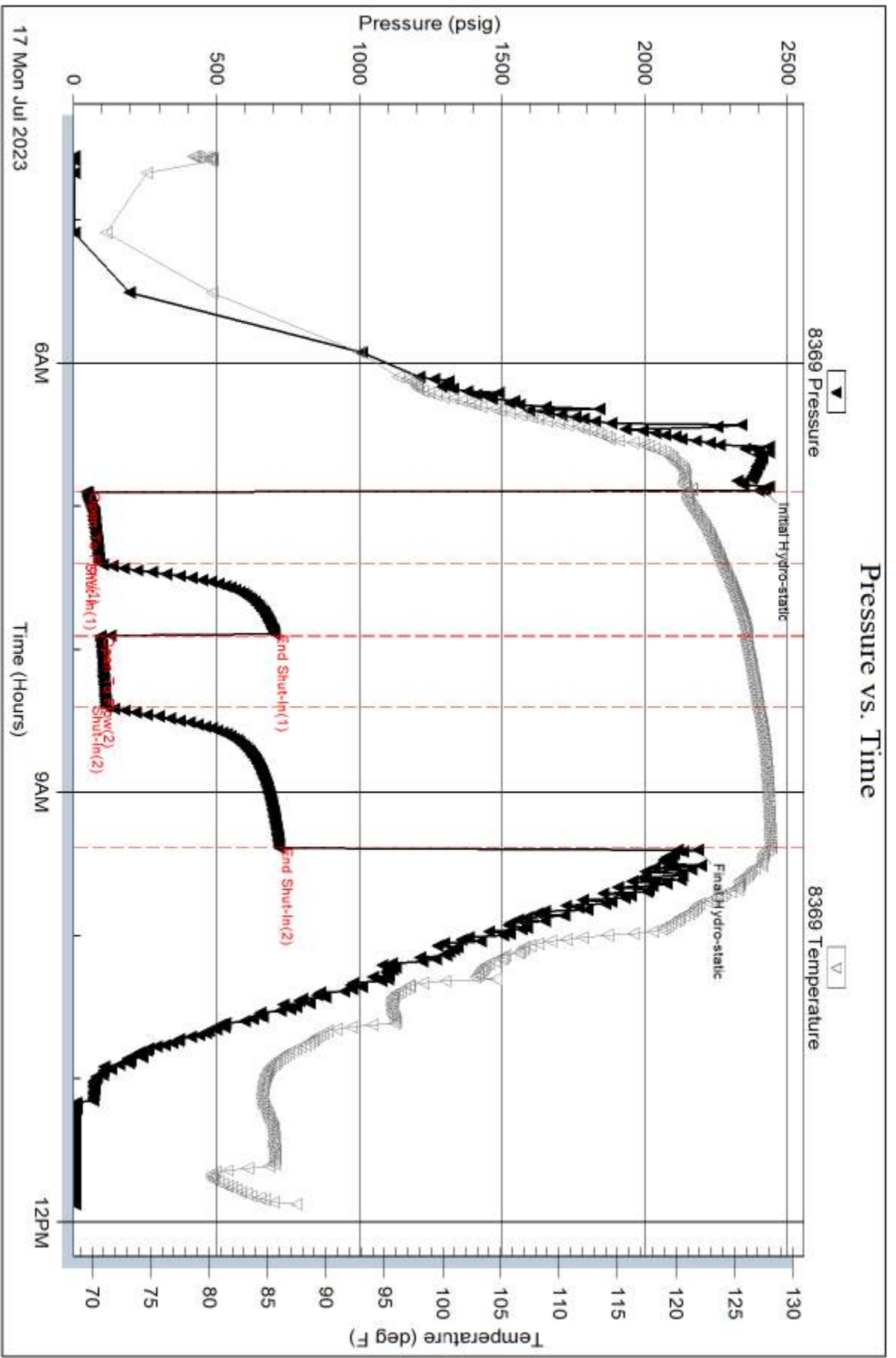
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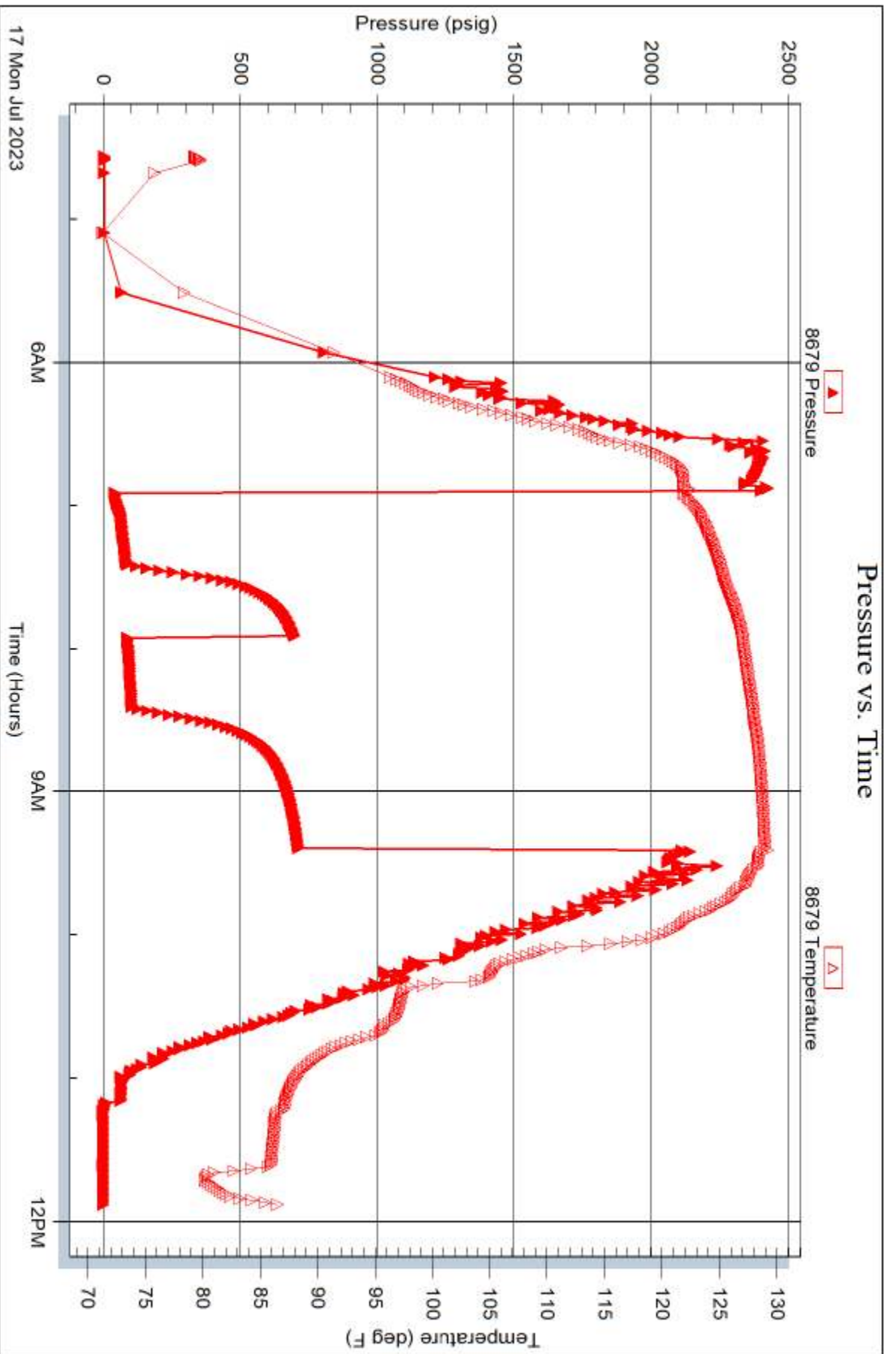
Laboratory Name:

Laboratory Location:

Recovery Comments:







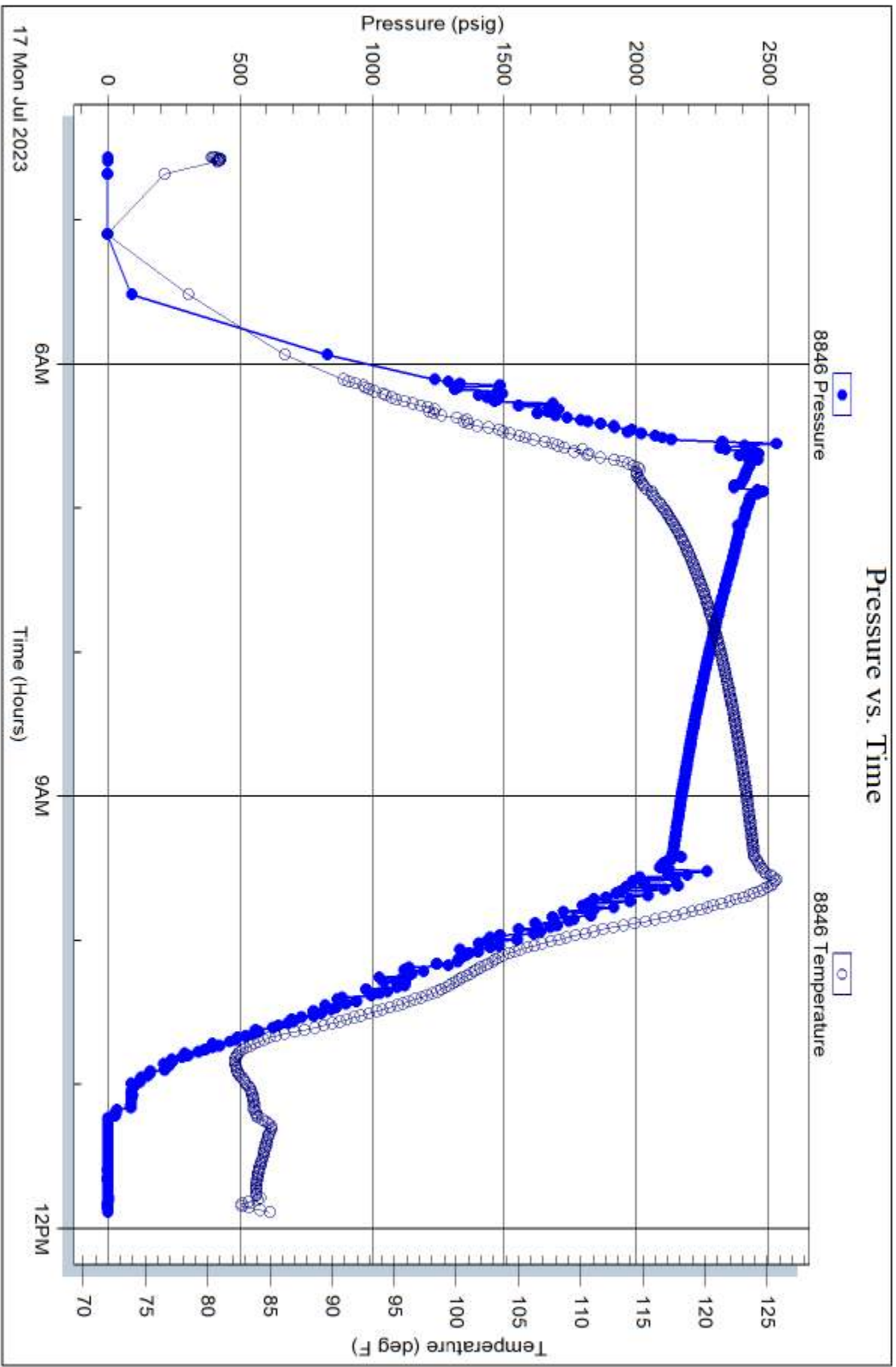
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Inside

Nec Operating Kansas LLC

King of Whales

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 70554

Printed: 2023.07.17 @ 12:13:17



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Nec Operating Kansas LLC

**Keaton Jones**

542 Silicon Dr Ste 100  
SouthLake, Tx. 76092

**King of Whales**

Job Ticket: 70553

**DST#: 1**

ATTN: Keaton Jones

Test Start: 2023.07.16 @ 18:50:40

## GENERAL INFORMATION:

Formation: **Cher/miss-Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:50

Time Test Ended: 03:04:00

Test Type: Conventional Straddle (Initial)

Tester: Eric Burgess

Unit No: 80

**Interval: 4430.00 ft (KB) To 4453.00 ft (KB) (TVD)**

Reference Elevations: 2094.00 ft (KB)

Total Depth: 4900.00 ft (KB) (TVD)

2086.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 1492.85 psig @ 4431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.07.16

End Date:

2023.07.17

Last Calib.:

2023.07.17

Start Time: 18:50:40

End Time:

03:04:00

Time On Btm:

2023.07.16 @ 21:33:50

Time Off Btm:

2023.07.16 @ 23:58:40

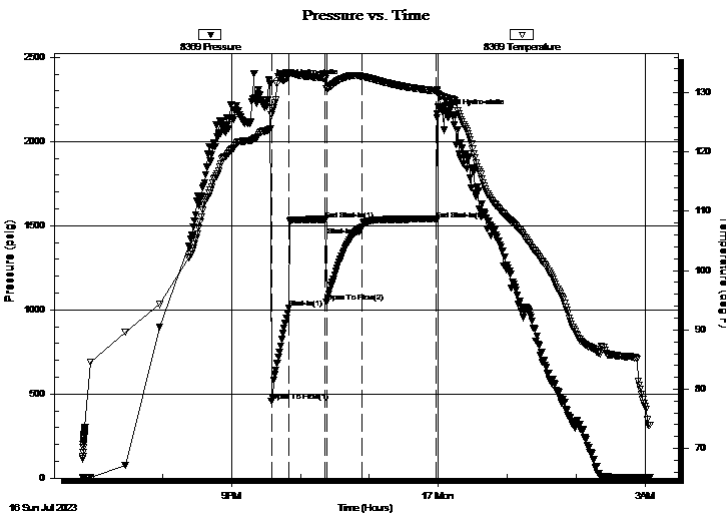
**TEST COMMENT:** IF:Strong Building Blow built to 200.61" (15)

IS:No Blow Back. (30)

FF:Strong Building Blow built to 214" but died back to 194.34" (30)

FS:No Blow Back. (60)

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2343.55         | 123.94       | Initial Hydro-static |
| 1           | 456.69          | 126.23       | Open To Flow (1)     |
| 16          | 1012.59         | 133.14       | Shut-In(1)           |
| 48          | 1537.62         | 132.41       | End Shut-In(1)       |
| 49          | 1045.95         | 130.73       | Open To Flow (2)     |
| 80          | 1492.85         | 132.70       | Shut-In(2)           |
| 145         | 1533.87         | 130.26       | End Shut-In(2)       |
| 145         | 2164.93         | 130.41       | Final Hydro-static   |

## Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 1127.00     | MCW 95%W 5%M  | 15.33        |
| 630.00      | MCW 80%W 20%M | 9.21         |
| 630.00      | MCW 70%W 30%M | 9.21         |
| 945.00      | WCM 25%W 75%M | 13.82        |
| 252.00      | OSM 100%M     | 3.69         |

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Nec Operating Kansas LLC

**Keaton Jones**

542 Silicon Dr Ste 100  
SouthLake, Tx. 76092

**King of Whales**

Job Ticket: 70553

**DST#: 1**

ATTN: Keaton Jones

Test Start: 2023.07.16 @ 18:50:40

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description   | Volume<br>bbl |
|--------------|---------------|---------------|
| 1127.00      | MCW 95%W 5%M  | 15.326        |
| 630.00       | MCW 80%W 20%M | 9.213         |
| 630.00       | MCW 70%W 30%M | 9.213         |
| 945.00       | WCM 25%W 75%M | 13.820        |
| 252.00       | OSM 100%M     | 3.685         |

Total Length: 3584.00 ft

Total Volume: 51.257 bbl

Num Fluid Samples: 0

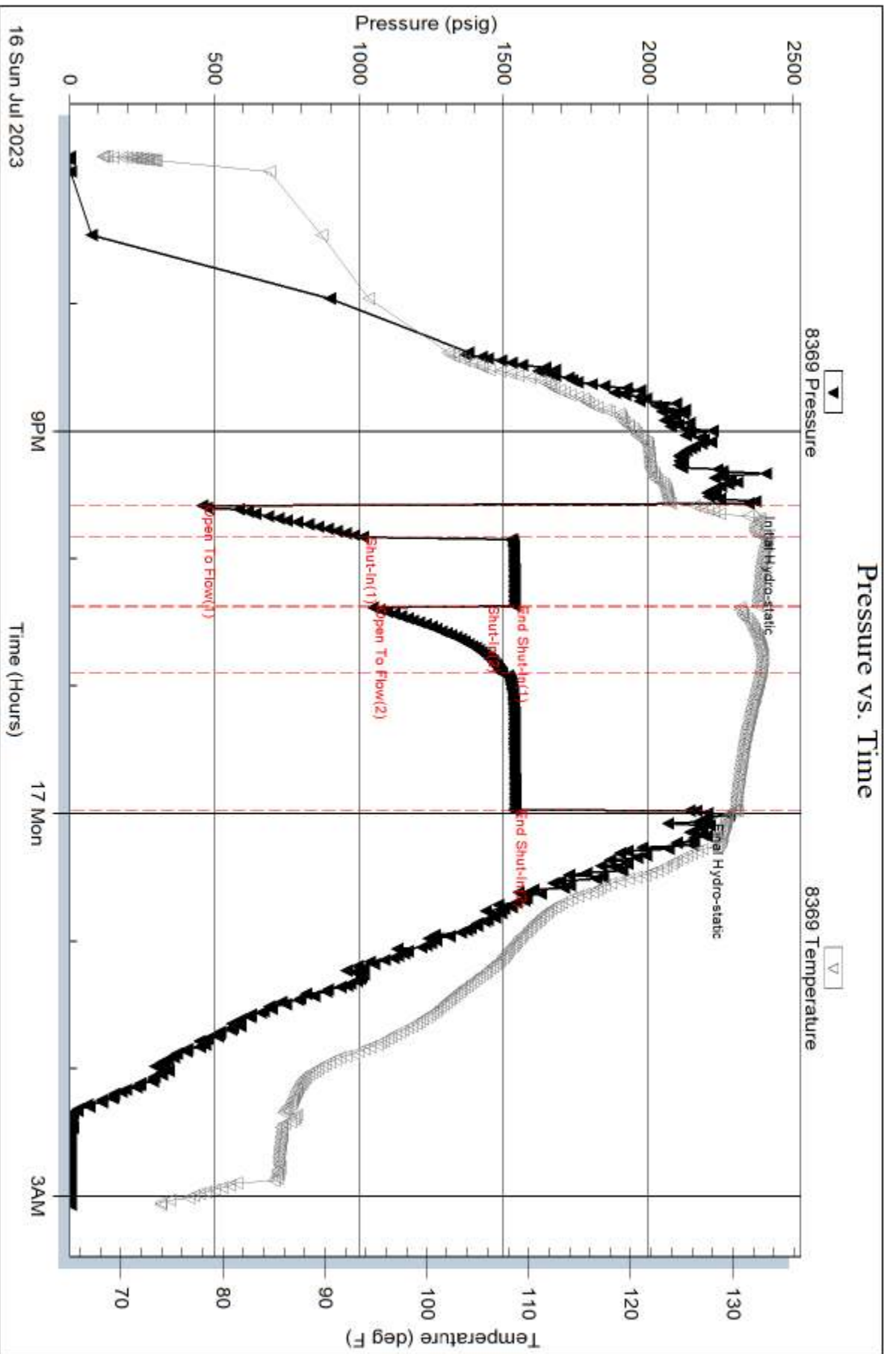
Num Gas Bombs: 0

Serial #:

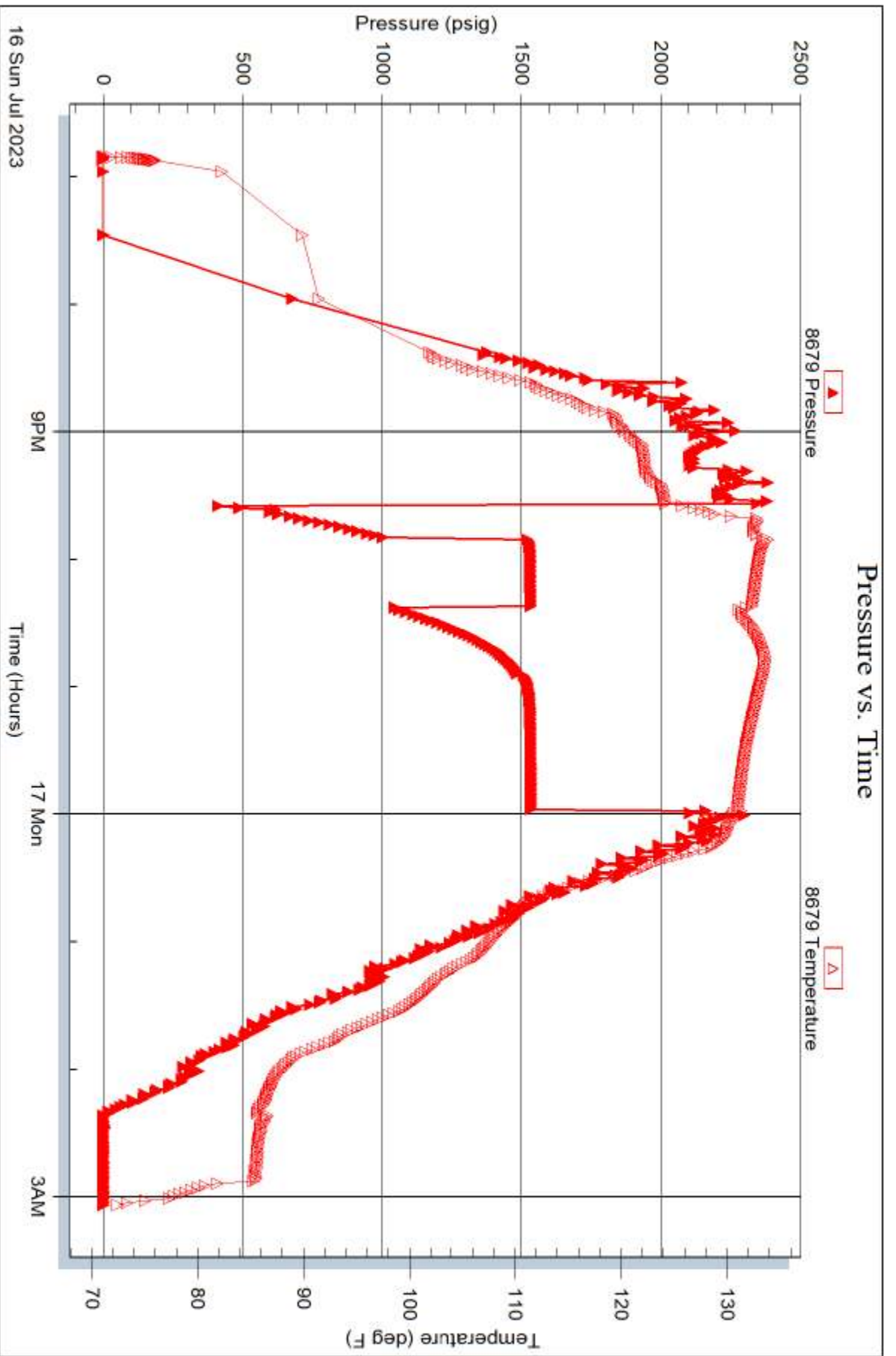
Laboratory Name:

Laboratory Location:

Recovery Comments:







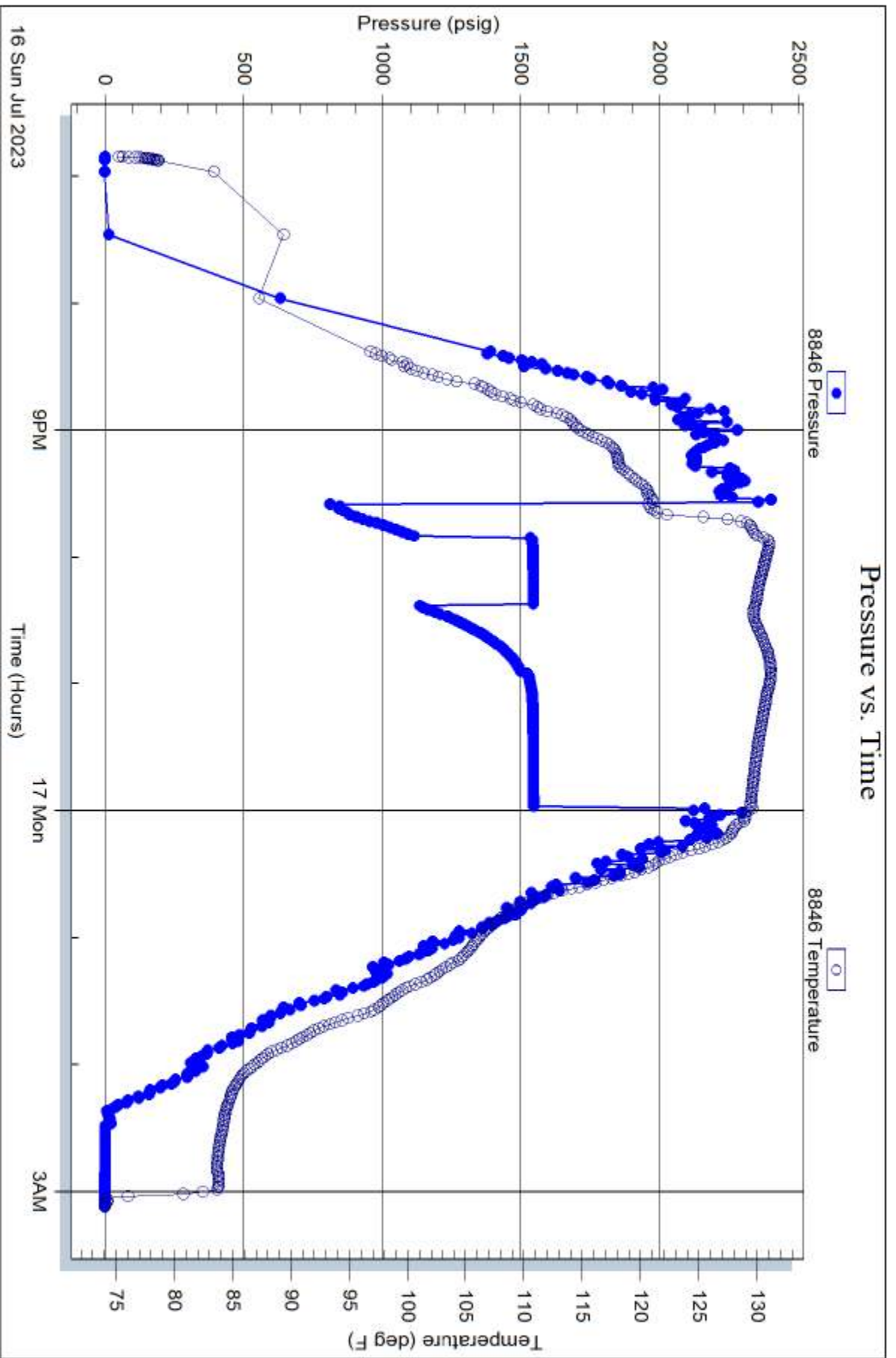
Serial #: 8846

Inside

Nec Operating Kansas LLC

King of Whales

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70553

Printed: 2023.07.17 @ 03:34:24

**King of Whales**  
**WellSight Systems**  
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: King Of Whales  
API: 15-147-21672-0000  
Location: 1975' FSL & 650' FEL  
License Number:  
Spud Date: 7/10/2023  
Surface Coordinates: 37.796712, -99.088756

Region: Edwards  
Drilling Completed: 7/16/2023

Bottom Hole Same as Surface  
Coordinates:  
Ground Elevation (ft): 2086      K.B. Elevation (ft): 2094  
Logged Interval (ft): Heebner To: RTD      Total Depth (ft): 4900  
Formation: Arbuckle  
Type of Drilling Fluid: Chemical (Andys Mud)

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

**OPERATOR**

Company: NEC Operating Kansas  
Address: 542 Silicon Dr Suite 100  
South Lake TX 67092

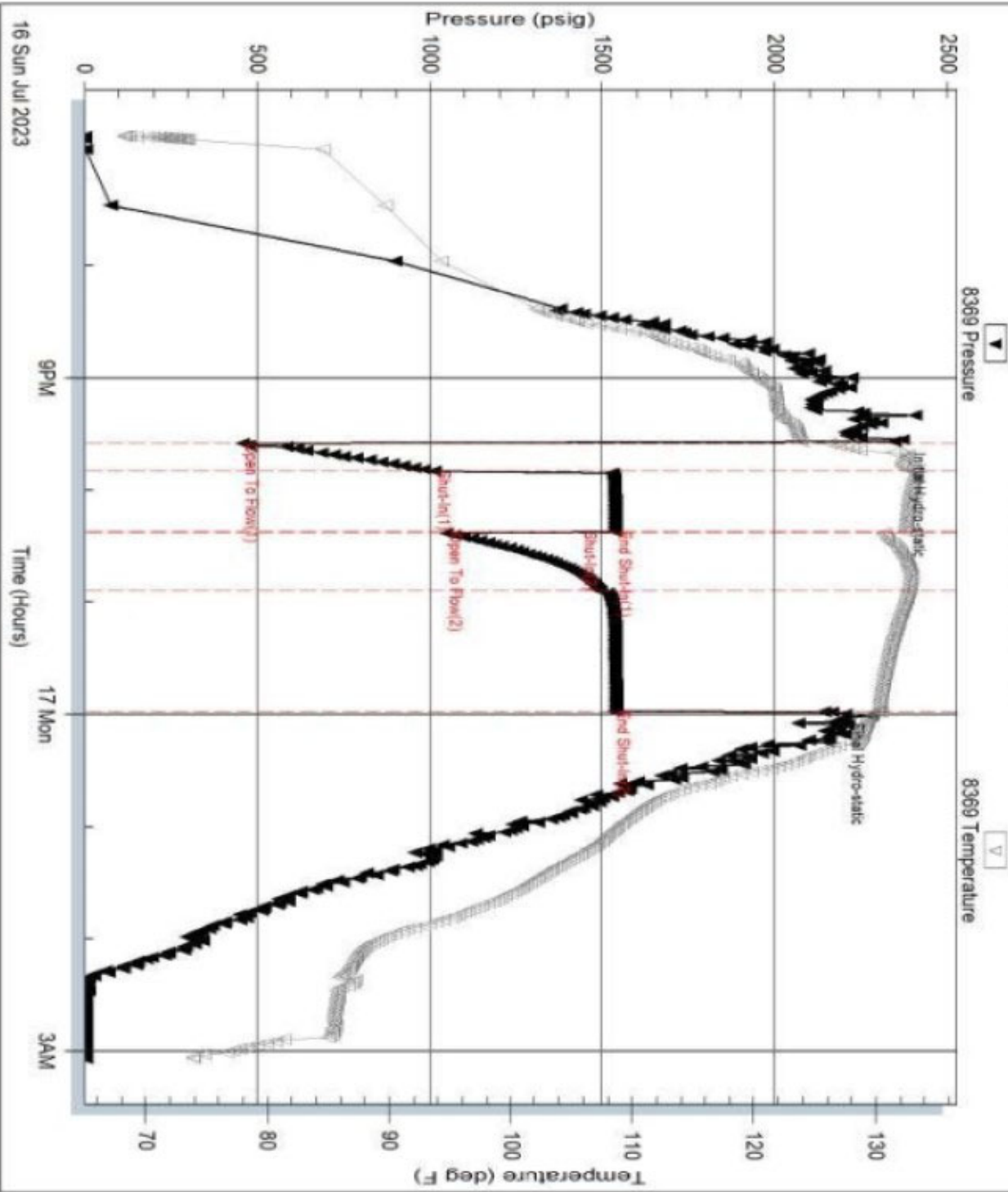
**GEOLOGIST**

Name: Keaton Jones  
Company: Rockhound Petroleum, LLC  
Address: 255 NE 30th  
St. John KS 67576

**Well Tops Comparison**

| Lease: King of Whales 2094 |            | Lease: Prince of Whales 2094 |                        | Lease: Knowles 2083 |                        | Lease: KB |                     |
|----------------------------|------------|------------------------------|------------------------|---------------------|------------------------|-----------|---------------------|
| Strat                      | KB         | Strat                        | KB                     | Strat               | KB                     | Strat     | KB                  |
| Comp                       | Formation  | Comp                         | Formation              | Comp                | Formation              | Comp      | Formation           |
| Top                        | Datum      | Top                          | Datum                  | Top                 | Datum                  | Top       | Datum               |
| Anhy                       | 1092 1002  | -38                          | Anhy 1054 1040         | -8                  | Anhy 1073 1010         | 1002      | Anhy 0              |
| Heebner                    | 3784 -1690 | 1                            | Heebner 3785 -1691     | 3                   | Heebner 3776 -1693     | -1690     | Heebner 0           |
| Toronto                    | 3806 -1712 | -5                           | Toronto 3801 -1707     | 1                   | Toronto 3796 -1713     | -1712     | Toronto 0           |
| Douglas                    | 3818 -1724 | 1                            | Douglas 3819 -1725     | 1                   | Douglas 3808 -1725     | -1724     | Douglas 0           |
| BL                         | 3928 -1834 | -2                           | BL 3926 -1832          | 1                   | BL 3918 -1835          | -1834     | BL 0                |
| Lansing                    | 3946 -1852 | -2                           | Lansing 3944 -1850     | 1                   | Lansing 3936 -1853     | -1852     | Lansing 0           |
| Lansing "B"                | 3961 -1867 | 2                            | Lansing "B" 3963 -1869 | 0                   | Lansing "B" 3950 -1867 | -1867     | Lansing "B" 0       |
| Lansing "F"                | 4016 -1922 | 2                            | Lansing "F" 4018 -1924 | 0                   | Lansing "F" 4005 -1922 | -1922     | Lansing "F" 0       |
| Lansing "G"                | 4032 -1938 | 0                            | Lansing "G" 4032 -1938 | 5                   | Lansing "G" 4026 -1943 | -1938     | Lansing "G" 0       |
| Lansing "H"                | 4078 -1984 | 2                            | Lansing "H" 4080 -1986 | 3                   | Lansing "H" 4070 -1987 | -1984     | Lansing "H" 0       |
| Lansing "I"                | 4101 -2007 | 1                            | Lansing "I" 4102 -2008 | 2                   | Lansing "I" 4092 -2009 | -2007     | Lansing "I" 0       |
| Lansing "J"                | 4120 -2026 | 0                            | Lansing "J" 4120 -2026 | 1                   | Lansing "J" 4110 -2027 | -2026     | Lansing "J" 0       |
| Lansing "K"                | 4172 -2078 | 4                            | Lansing "K" 4176 -2082 | 2                   | Lansing "K" 4163 -2080 | -2078     | Lansing "K" 0       |
| BKC                        | 4246 -2152 | -4                           | BKC 4242 -2148         | -6                  | BKC 4229 -2146         | -2152     | BKC 0               |
| Cherokee                   | 4404 -2310 | -2                           | Cherokee 4402 -2308    | 7                   | Cherokee 4400 -2317    | -2310     | Cherokee 0          |
| Miss/SS                    | 4433 -2339 | -9                           | Miss/SS 4424 -2330     | 2                   | Miss/SS 4424 -2341     | -2339     | Miss/SS 0           |
| kinder                     | 4496 -2402 | -4                           | kinder 4492 -2398      | -4485               | kinder 2083            | -2402     | kinder 0            |
| viola                      | 4551 -2457 | 47                           | viola 4598 -2504       | -4540               | viola 2083             | -2457     | viola 0             |
| simpson                    | 4758 -2664 | -10                          | simpson 4748 -2654     | -4747               | simpson 2083           | -2664     | simpson 0           |
| arbuckle                   | 4809 -2715 | -3                           | arbuckle 4806 -2712    | -4798               | arbuckle 2083          | 1439      | arbuckle 4154 -4154 |
|                            | 2094       |                              | 0                      | 11                  | 0                      | 2083      | 0                   |

### Pressure vs. Time



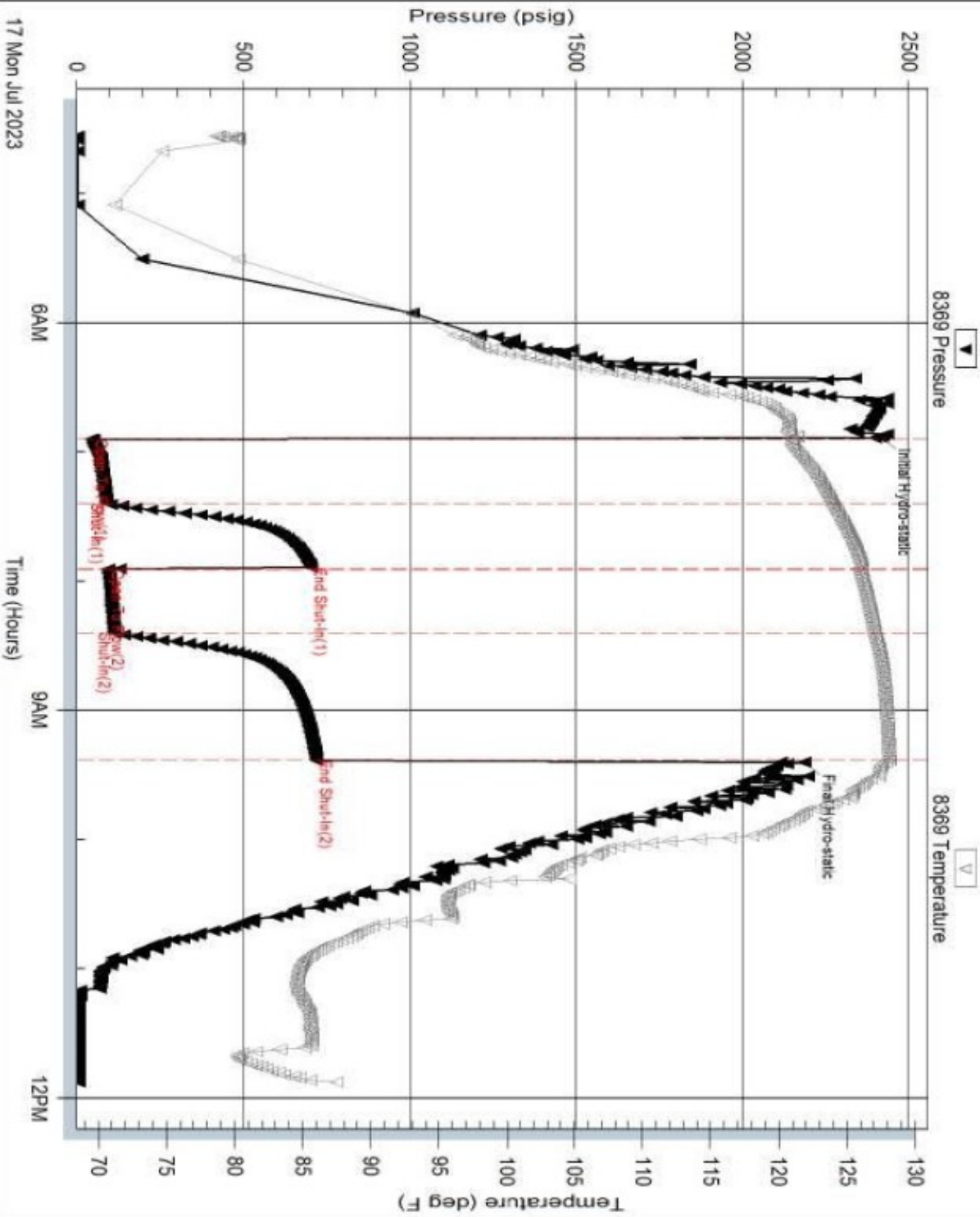
Serial #: 8369

Outside NEC Operating Kansas LLC

King of Whales

DST Test Number: 2

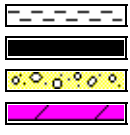
### Pressure vs. Time



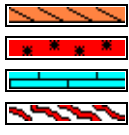
### ROCK TYPES



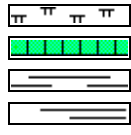
Anhy  
Bent  
Brec  
Cht



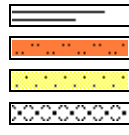
Clyst  
Coal  
Congl  
Dol



Gyp  
Igne  
Lmst  
Meta



Mrlst  
Salt  
Shale  
Shcol



Shgy  
Sltst  
Ss  
Till

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

#### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

#### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Siltstrg
- Ssstrg

#### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### OTHER SYMBOLS

#### POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- Vuggy

#### SORTING

- Well
- Moderate
- Poor

#### ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Spotted
- Ques
- Dead

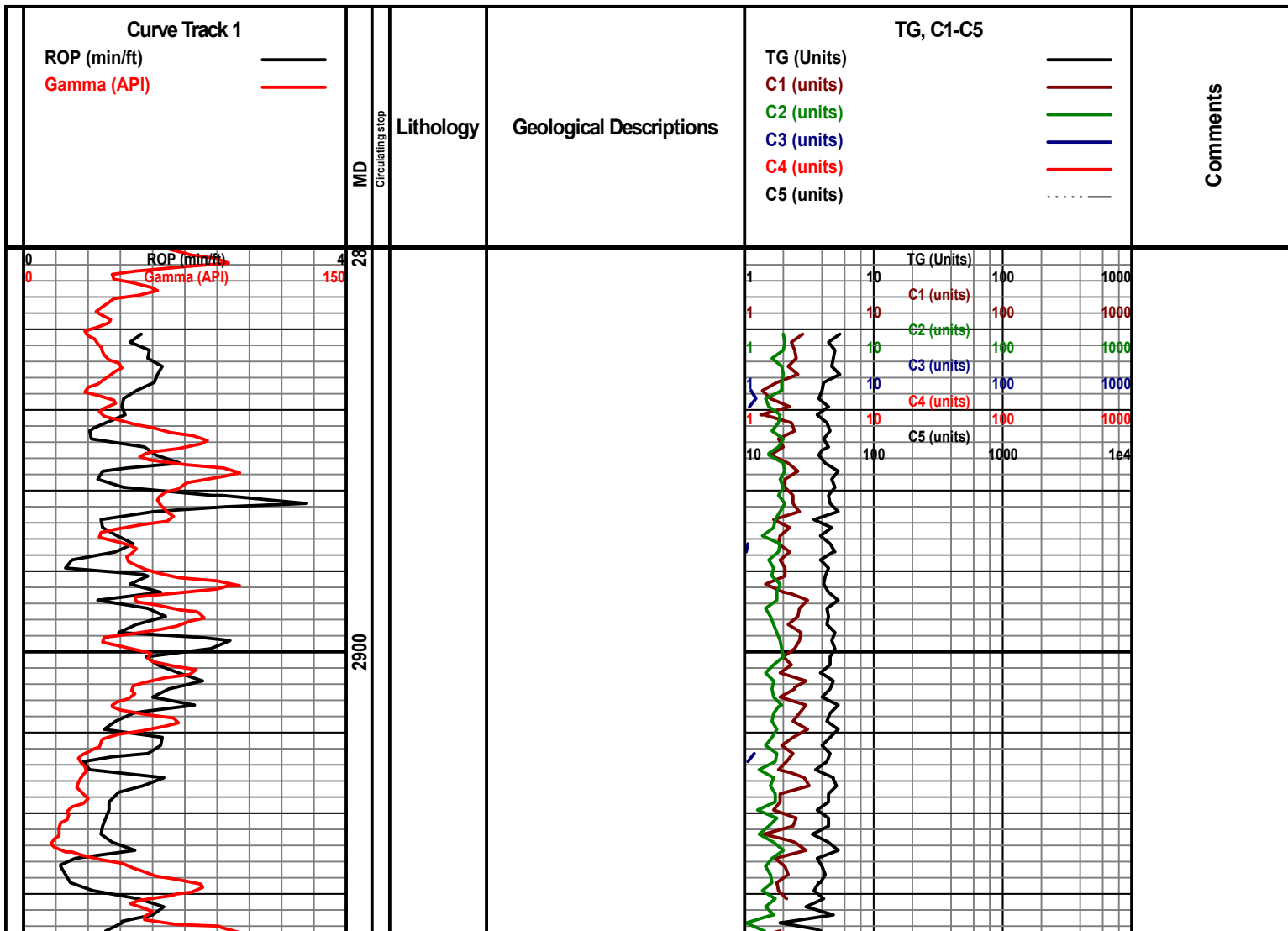
#### INTERVAL

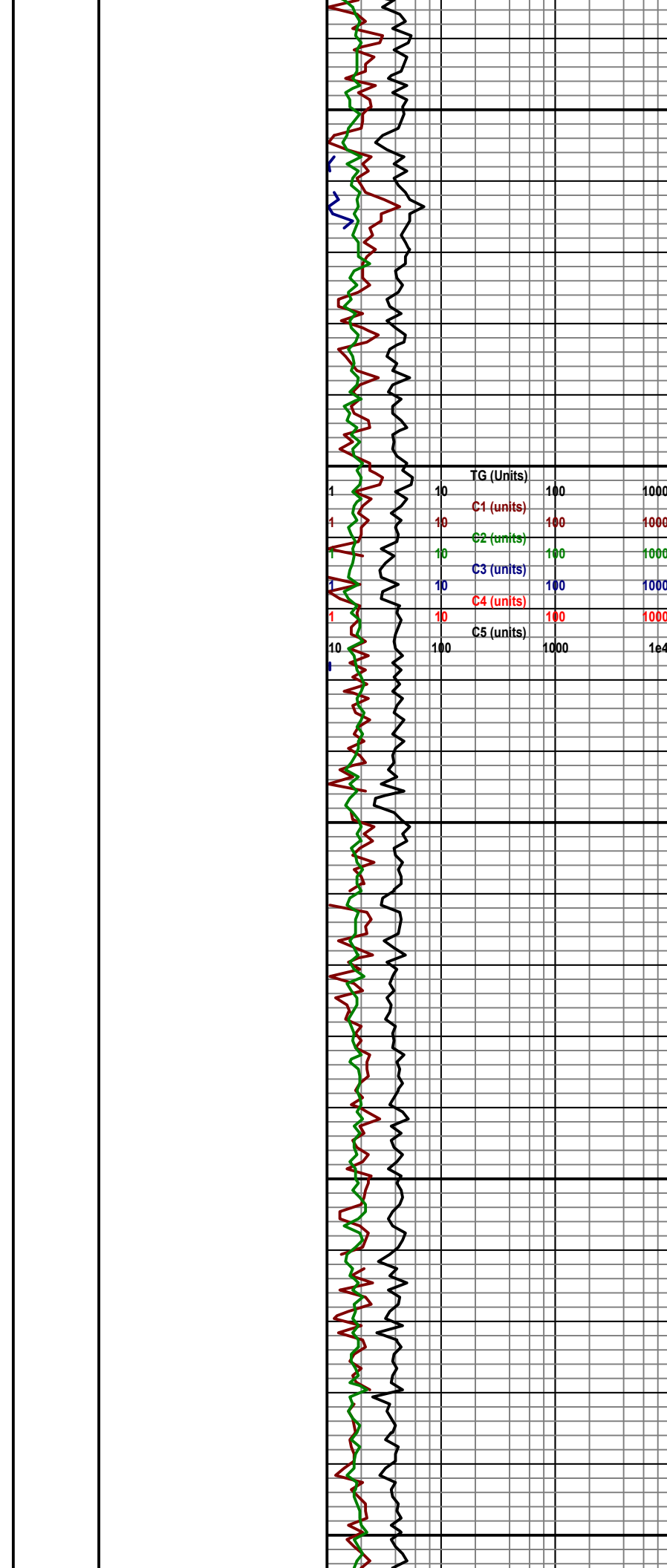
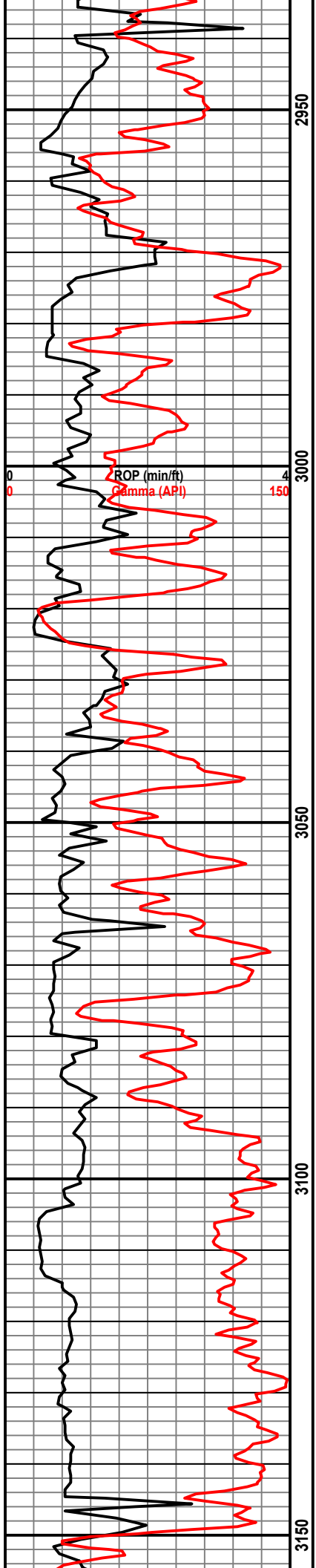
- Core
- Dst 2
- Dst 4

- Dst 3
- Dst

#### EVENT

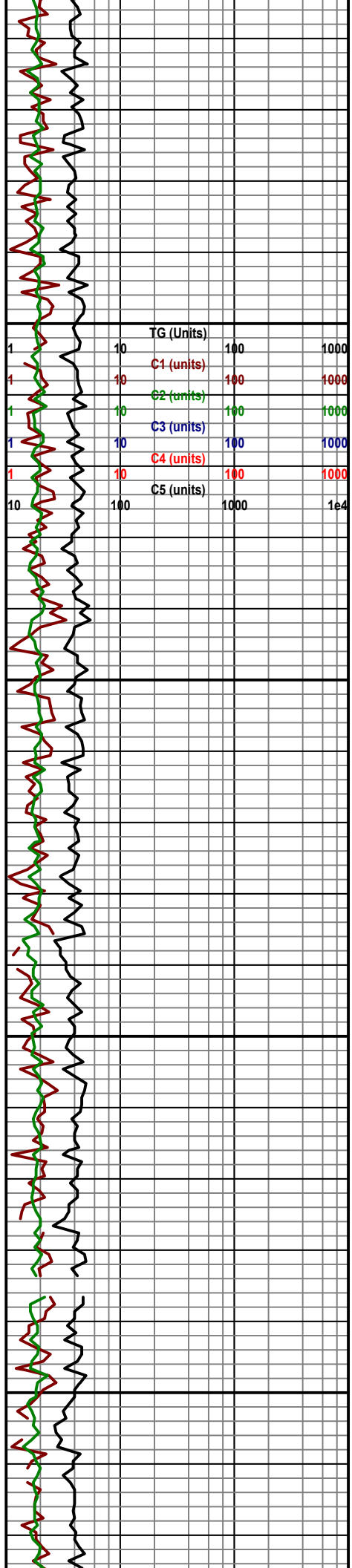
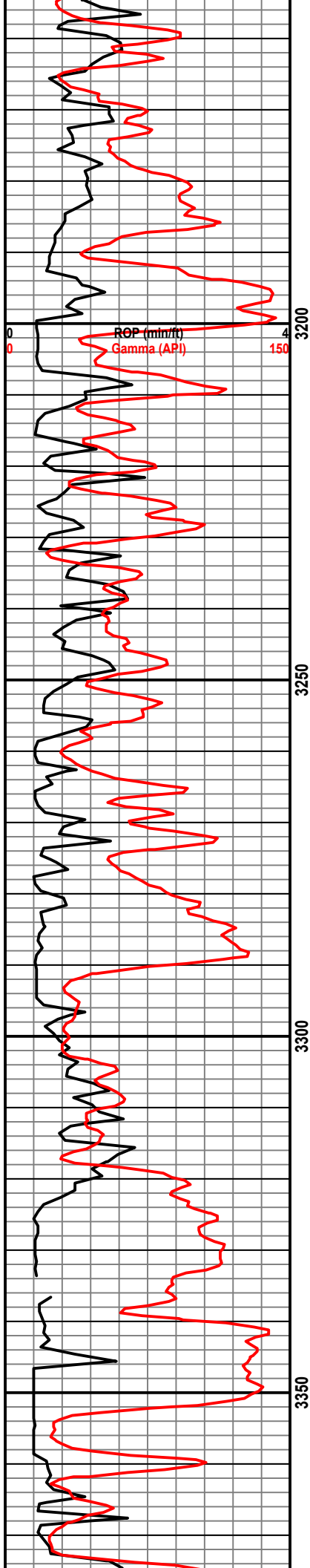
- Rft
- Sidewall



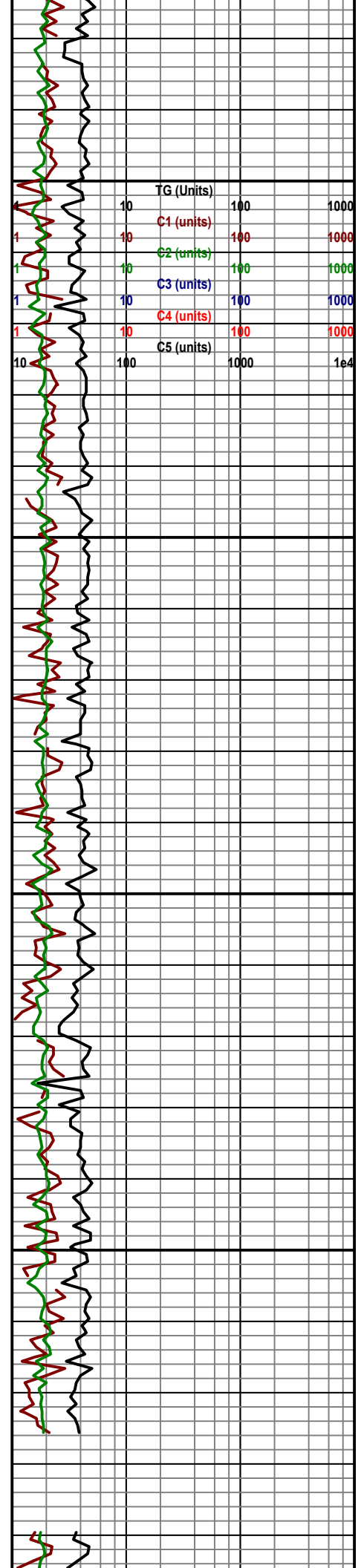
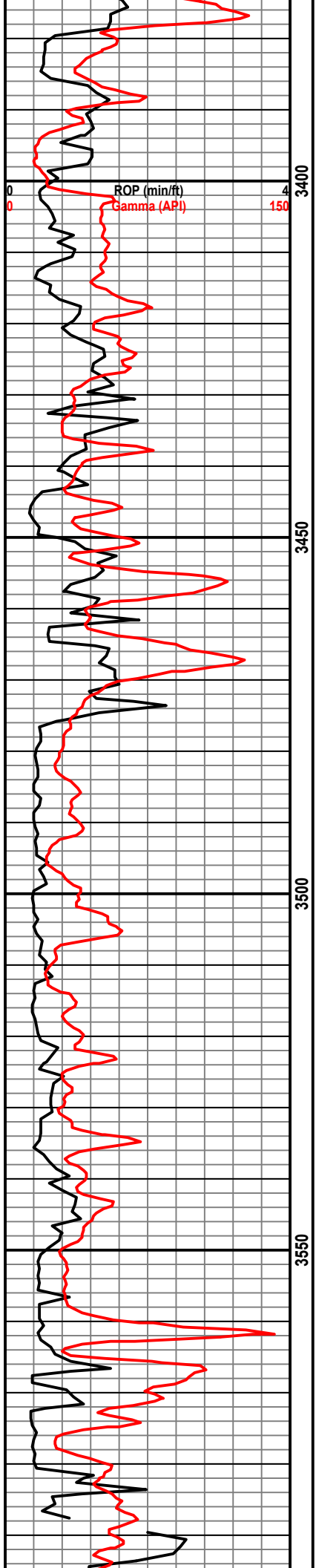


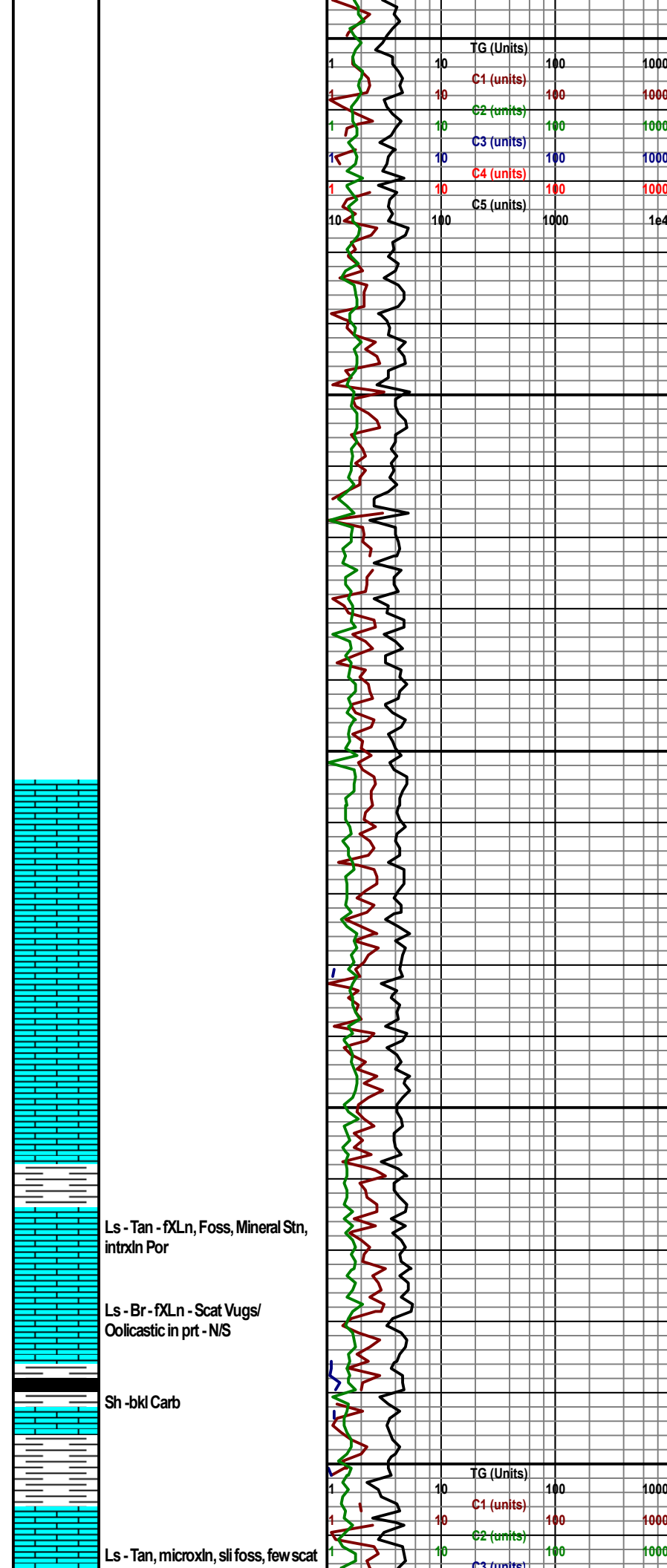
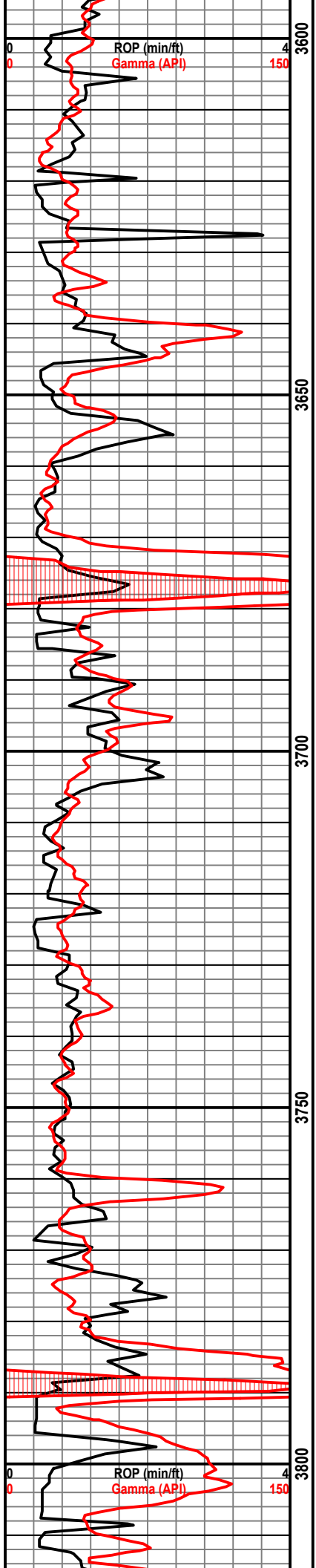
Displaced 3,000'

|            |      |      |
|------------|------|------|
| TG (Units) | 100  | 1000 |
| C1 (units) | 100  | 1000 |
| C2 (units) | 100  | 1000 |
| C3 (units) | 100  | 1000 |
| C4 (units) | 100  | 1000 |
| C5 (units) | 1000 | 1e4  |









Ls - Tan - fXLn, Foss, Mineral Strn, intrxn Por

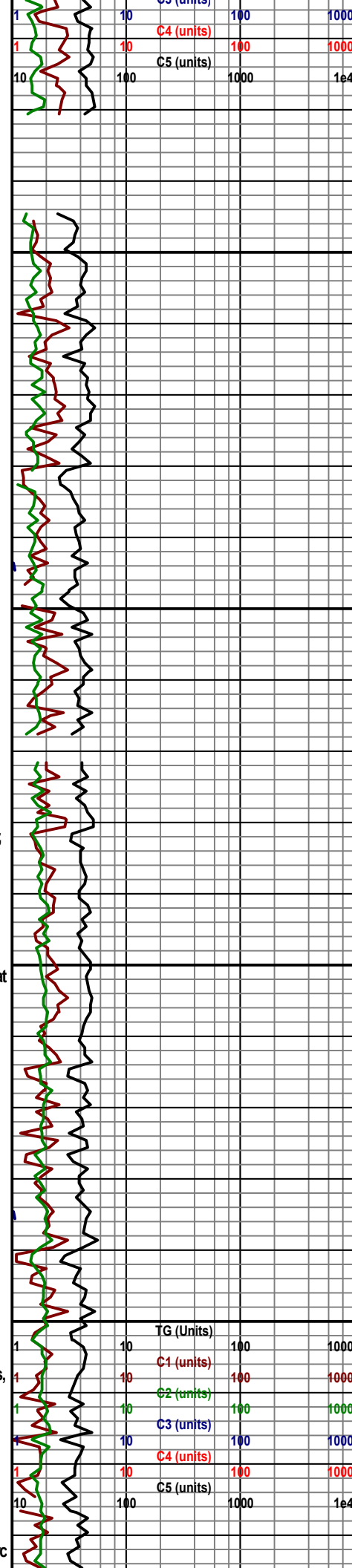
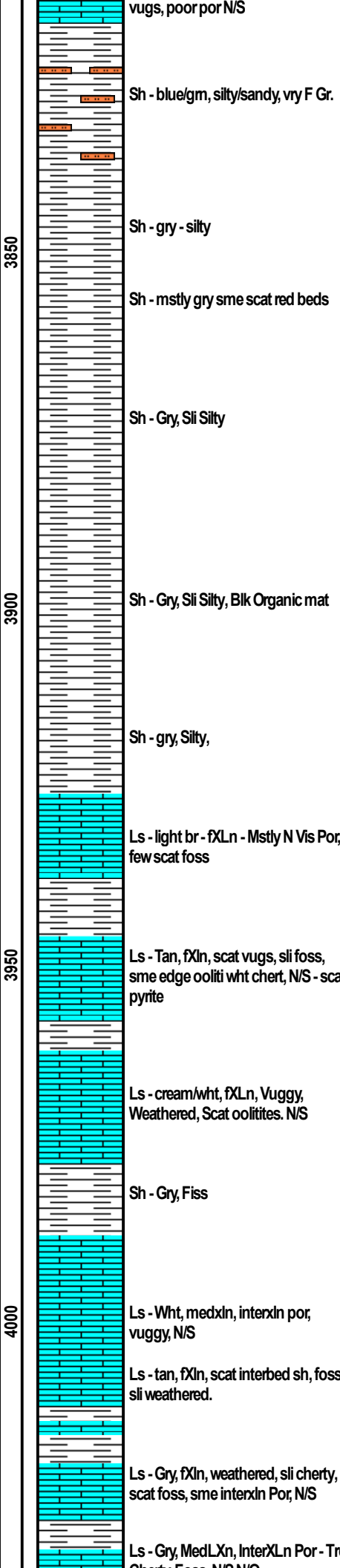
Ls - Br - fXLn - Scat Vugs/  
Oolitic in prt - NS

Sh -bkl Carb

Ls - Tan, microxln, sli foss, few scat

- Mud Report -  
Depth: 3731  
Wt: 9.3  
Vis: 54  
Fil: 6.4  
Chl: 4,000  
Lcm: 4#

Stopped - Mud  
Pump Down -  
Waiting on  
Mechanic - Working



Pipe  
- Mud Check -  
Wt: 9.2  
Vis: 50  
Lcm: 4#  
Survey 1 Degree  
Major Mud Pump Issues down for a few Hours

Cherty, Foss, N/S N/O

CFS - 4040

Ls - Br - MedXLn - Highly Oolitic  
- Few Pieces - N/S N/O

4050

Ls - Gry, MicroXLn, Trc gry LS Sli  
Chalky, N/S

Ls - Wht, MicroXln Chalky, N/S N/O

4100

Ls - Tan, MedXLn, Highly  
Oolitic, Sli Oolitic, N/S N/O

Ls - Tan, fXLn, Oolitic/Moldic, Dse,  
Very Few specks of free oil on break  
With Very Faint Odr

Ls - Tan/Gry, Oolitic, sli Oomoldic,  
Foss, NS

Ls - Br, MicroXLn, Very Tight Oolitic.

4150

Ls - Tan/Br, MedXLn, Highly  
Oolitic, Sli Oolitic N/S

Ls - tan, MicroXln, Vry Dse/Tight  
Oolites, Few Specks Oil, No Live  
Shows

Ls - tan, FXLn, Very Tight  
Oolitic/Oolitic Por, N/S

4200

La - Wht, MicroXLn, No Vis Por

ROP (min/ft)  
Gamma (API)

150

Shls - Mstly gry, Sme Scat red beds,  
Sli Silty

Ls - Gry, fXLn, InterXln Por, SMe Scat  
Foss, N/S

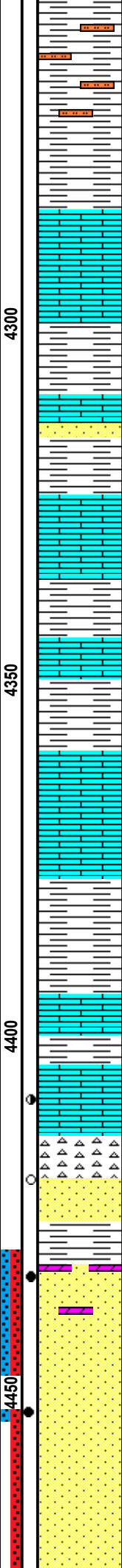
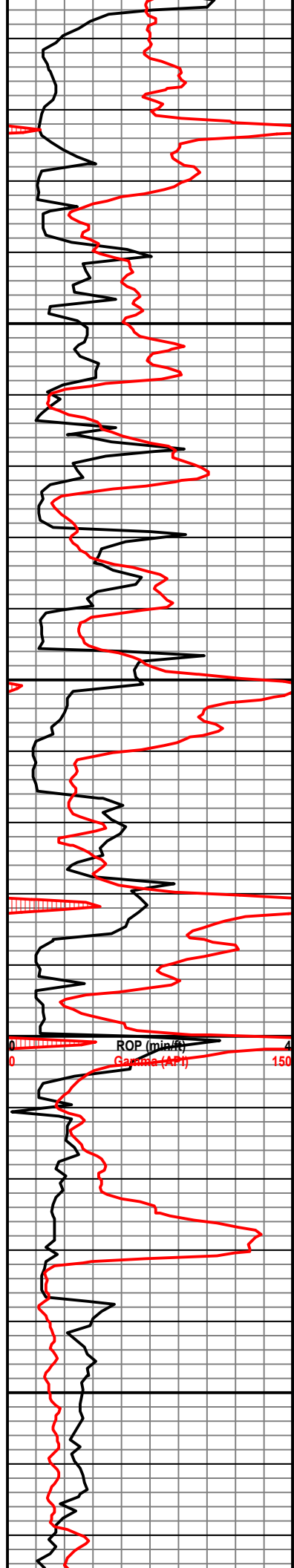
4250

Sh - Mstly Blk Carb, Sme Grys

BKC

- Mud Check -  
Wt: 9.1  
Vis: 54  
Lcm: 3#

| TG (Units) | 100 | 1000 |
|------------|-----|------|
| C1 (units) | 100 | 1000 |
| C2 (units) | 100 | 1000 |
| C3 (units) | 100 | 1000 |
| C4 (units) | 100 | 1000 |
| C5 (units) | 100 | 1000 |



Sh - Silty, Gm, Sme Purple Silty Shale

Sh - Silty, Gm, Gray

Ls, Gry, MicroXln, Few Pieces W/ Large Xln Scat Foss, Sme InterXLn

Sh - Red - Breccia Like - Lrg Sand Gms

Ls - Tan, MicroXLn - Sme Scat InterXln Por - Mostly no vis Por

Ls - Purple, MicroXLn, Silty, Mstly No Vis Por

Sh, gry, sme with various colors,

Ls - tan, microxln, sme scat interxln por, N/S

Sh - Dark Gry, / green - scat sand gms

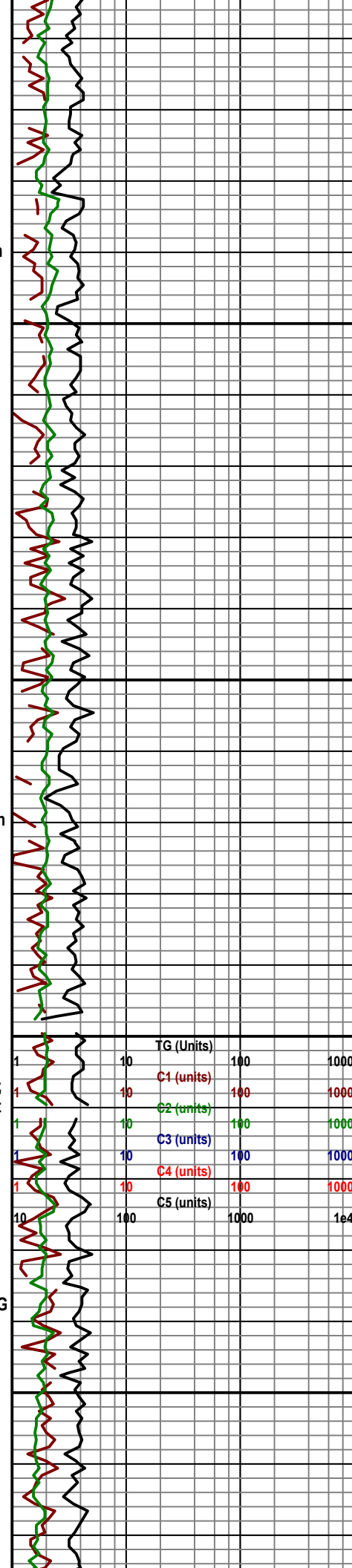
Ls - Wht, MicroXLn, Dense, PP Por, Foss, SFO&G on break, Abundant Resid Stn,

Ch - Yellow, Scat vugs W/ Fresh Oil Stn, No Odors, Spotty to no Fluor

SS - Br, Vry F Gm, Well Sorted, sub angle, dol matrix, very weak SFO&G no odor

SS - Br, Fine Gr, Sub Angle, well sorted dol matrix, GSFO&G fair odor

SS - Clear, Fine Gr, Sub angle, fair



- Mud Check -  
Wt: 9.5  
Vis: 52  
Lcm: 2.5

- DST (1) -  
Interval: 4430-4453

PACKER FAILURE

Rec: 1127 MCW 95% W, 5%M

630' MCW 80% W, 20%M

630' MCW 70% W, 30%M

945' WCM 25% W, 75% M

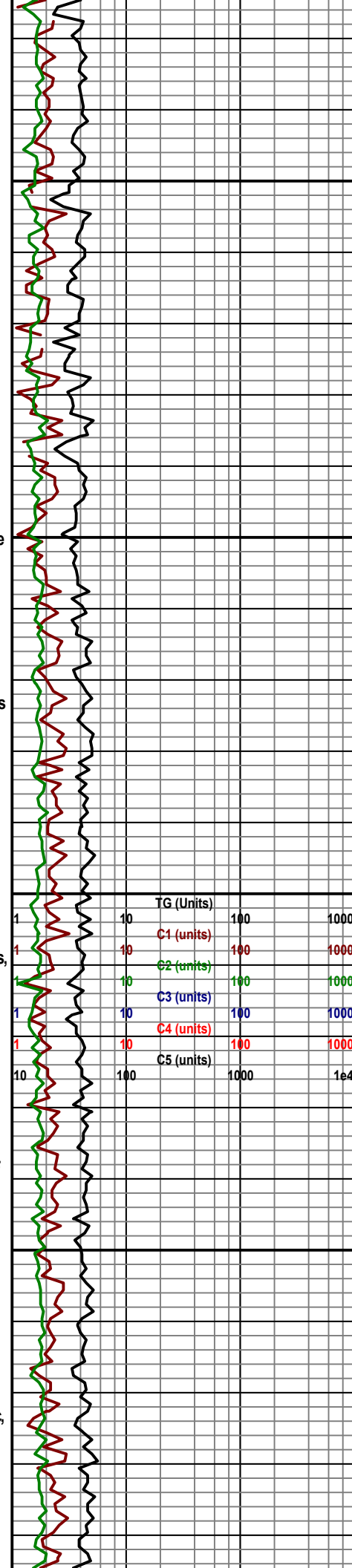
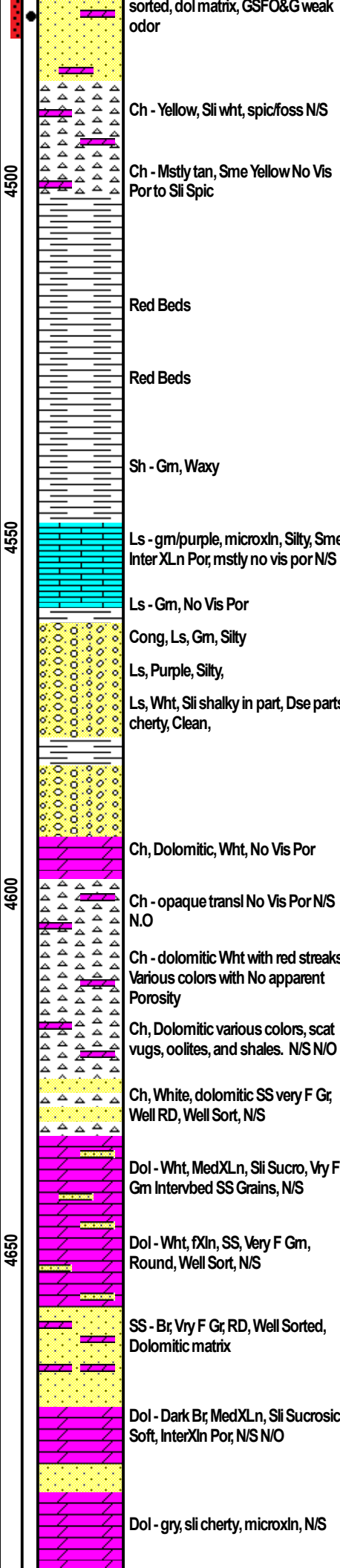
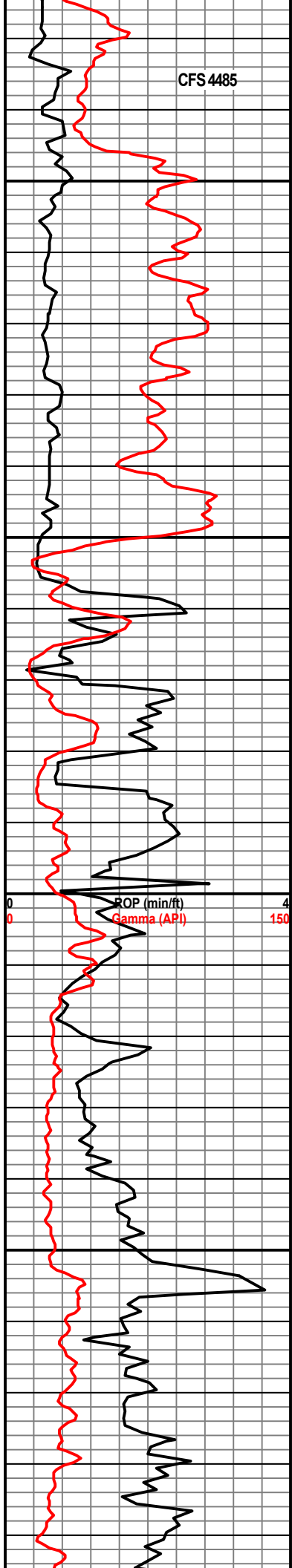
252' OSM 100% M

IH: 2343  
IF: 456  
FF: 1045  
SIP: 1537-1533  
FH: 2164

- Mud Check -  
Wt: 9.2  
Vis: 57  
Lcm: 5#

ROP (min/ft)  
Gamma (API)

| TG (Units) | C1 (units) | C2 (units) | C3 (units) | C4 (units) | C5 (units) |
|------------|------------|------------|------------|------------|------------|
| 10         | 100        | 1000       | 100        | 1000       | 1000       |
| 10         | 100        | 1000       | 100        | 1000       | 1000       |
| 10         | 100        | 1000       | 100        | 1000       | 1000       |
| 10         | 100        | 1000       | 100        | 1000       | 1000       |
| 10         | 100        | 1000       | 100        | 1000       | 1000       |
| 100        | 1000       | 1e4        |            |            |            |



- Mud Report -  
Depth: 4485  
Wt: 9.2  
Vis: 51  
Fil: 7.2  
Chl: 4,000  
Lcm: 5#

- Mud Check -  
Wt: 9.2  
Vis: 51  
Lcm: 5

- DST (2) -  
Interval: 4430-4480

Recovery: 119'  
OSMCW: 85%W,  
15%M

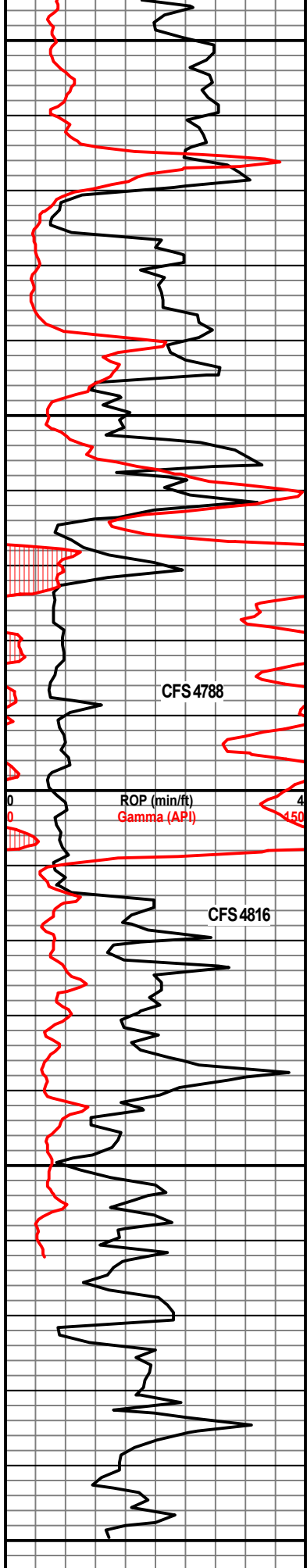
65' WCM, 40%W,  
60%M

252' GIP

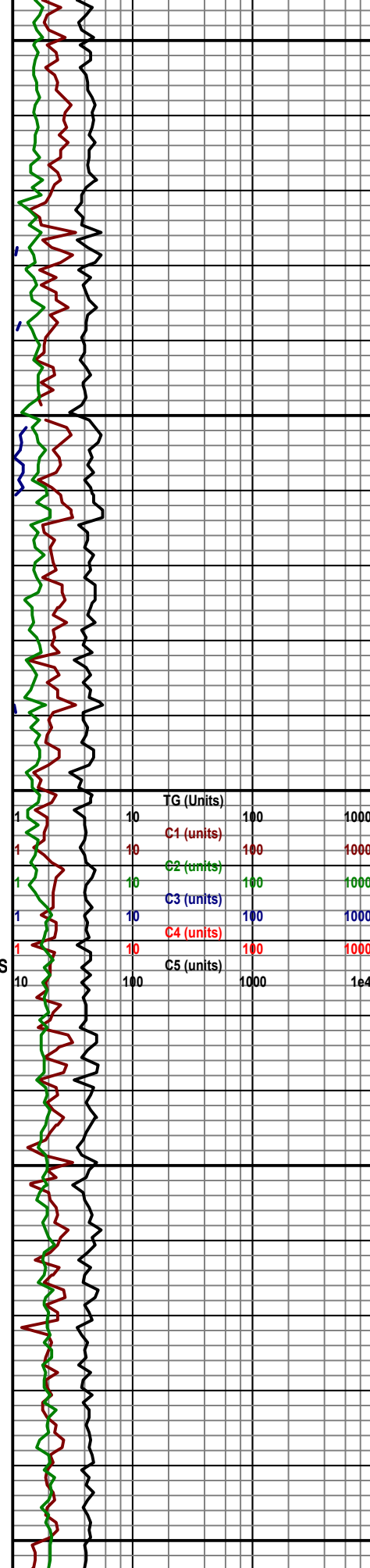
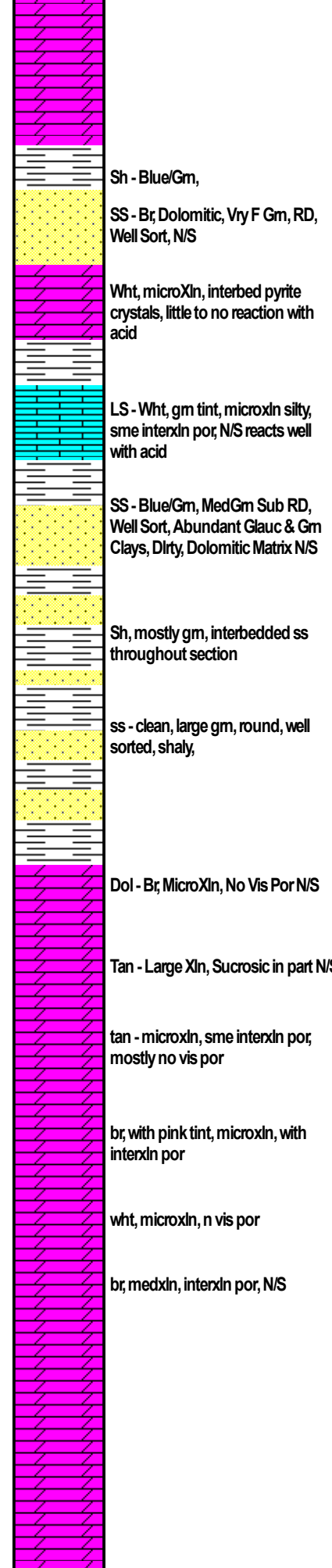
IH: 2413  
IF: 45  
FF: 95  
SIP: 704-720  
FH: 2187

CHL: 30,000 PPM

- Mud Check -  
Wt: 9.3  
Vis: 54  
Lcm: 4#



4700  
4750  
4800  
4850  
4900



|    | TG (Units) | 100  | 1000 |
|----|------------|------|------|
| 1  | 10         | 100  | 1000 |
| 1  | 10         | 100  | 1000 |
| 1  | 10         | 100  | 1000 |
| 1  | 10         | 100  | 1000 |
| 1  | 10         | 100  | 1000 |
| 10 | 100        | 1000 | 1e4  |

R.T.D 4900  
L.T.D. 4896

- Mud Report -  
Depth: 4900  
Wt: 9.5  
Vis: 65  
Fil: 7.6  
Chl: 5,000  
Lcm: 6#







|                  |                           |   |                              |                              |   |
|------------------|---------------------------|---|------------------------------|------------------------------|---|
| Customer         | NEC Operating -Kansas llc | Lease & Well #  | King Of Whales 1             | Date                         | 7/10/2023   |
| Service District | Pratt Kansas              | County & State  | Edwards Kansas               | Legals S/T/R                 | 8-26s-16w   |
| Job Type         | Conductor                 | <input checked="" type="checkbox"/> PROD                          | <input type="checkbox"/> INJ | <input type="checkbox"/> SWD | New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No |
| Equipment #      | Driver                    | Job Safety Analysis - A Discussion of Hazards & Safety Procedures |                              |                              |   |

|         |             |   |   |  |  |
|---------|-------------|---|---|--|--|
| 916     | M Brungardt | <input checked="" type="checkbox"/> Hard hat                | <input checked="" type="checkbox"/> Gloves            | <input type="checkbox"/> Lockout/Tagout                            | <input type="checkbox"/> Warning Signs & Flagging                  |
| 271     | R Osborn    | <input type="checkbox"/> H2S Monitor                        | <input checked="" type="checkbox"/> Eye Protection    | <input checked="" type="checkbox"/> Required Permits               | <input type="checkbox"/> Fall Protection                           |
| 181/256 | B Whitfeild | <input checked="" type="checkbox"/> Safety Footwear         | <input type="checkbox"/> Respiratory Protection       | <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards         | <input type="checkbox"/> Specific Job Sequence/Expectations        |
|         |             | <input checked="" type="checkbox"/> FRC/Protective Clothing | <input type="checkbox"/> Additional Chemical/Acid PPE | <input type="checkbox"/> Overhead Hazards                          | <input checked="" type="checkbox"/> Muster Point/Medical Locations |
|         |             | <input type="checkbox"/> Hearing Protection                 | <input checked="" type="checkbox"/> Fire Extinguisher | <input type="checkbox"/> Additional concerns or issues noted below |  |

**Comments**

| Product/ Service Code | Description                      | Unit of Measure | Quantity | Net Amount |
|-----------------------|----------------------------------|-----------------|----------|------------|
| cp010                 | Class A Cement                   | sack            | 100.00   | \$2,000.00 |
| cp100                 | Calcium Chloride                 | lb              | 188.00   | \$141.00   |
| cp120                 | Cello-flake                      | lb              | 26.00    | \$45.50    |
| m015                  | Light Equipment Mileage          | mi              | 30.00    | \$60.00    |
| m010                  | Heavy Equipment Mileage          | mi              | 60.00    | \$240.00   |
| m025                  | Ton Mileage - Minimum            | each            | 1.00     | \$300.00   |
| c060                  | Cement Blending & Mixing Service | sack            | 100.00   | \$140.00   |
| d010                  | Depth Charge: 0'-500'            | job             | 1.00     | \$1,000.00 |
|                       |                                  |                 | 1.00     | \$0.00     |
| r061                  | Service Supervisor               | day             | 1.00     | \$275.00   |

|   |  |               |             |
|---|--|---------------|-------------|
| Customer Section: On the following scale how would you rate Hurricane Services Inc.?  |  | Net:          | \$4,201.50  |
| Based on this job, how likely is it you would recommend HSI to a colleague?   |  | Total Taxable | \$ -        |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  | Tax Rate:     |             |
| Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely  |  | Sale Tax:     | \$ -        |
|   |  | Total:        | \$ 4,201.50 |
| HSI Representative: <i>Mark Brungardt</i>   |  |               |             |

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**





|                  |                           |   |                              |                              |   |
|------------------|---------------------------|---|------------------------------|------------------------------|---|
| Customer         | NEC Operating- Kansas LLC | Lease & Well #  | King Of Whales 1             | Date                         | 7/11/2023   |
| Service District | Pratt Kansas              | County & State  | Edwards.Kansas               | Legals S/T/R                 | 8-26s-16w   |
| Job Type         | Surface                   | <input checked="" type="checkbox"/> PROD                          | <input type="checkbox"/> INJ | <input type="checkbox"/> SWD | New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No |
| Equipment #      | Driver                    | Job Safety Analysis - A Discussion of Hazards & Safety Procedures |                              |                              |   |

|         |             |   |   |  |  |
|---------|-------------|---|---|--|--|
| 916     | M Bunardt   | <input checked="" type="checkbox"/> Hard hat                | <input checked="" type="checkbox"/> Gloves            | <input type="checkbox"/> Lockout/Tagout                            | <input type="checkbox"/> Warning Signs & Flagging                  |
| 271     | R Osborn    | <input type="checkbox"/> H2S Monitor                        | <input checked="" type="checkbox"/> Eye Protection    | <input type="checkbox"/> Required Permits                          | <input type="checkbox"/> Fall Protection                           |
| 181/256 | B Whitfeild | <input checked="" type="checkbox"/> Safety Footwear         | <input type="checkbox"/> Respiratory Protection       | <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards         | <input type="checkbox"/> Specific Job Sequence/Expectations        |
|         |             | <input checked="" type="checkbox"/> FRC/Protective Clothing | <input type="checkbox"/> Additional Chemical/Acid PPE | <input checked="" type="checkbox"/> Overhead Hazards               | <input checked="" type="checkbox"/> Muster Point/Medical Locations |
|         |             | <input type="checkbox"/> Hearing Protection                 | <input type="checkbox"/> Fire Extinguisher            | <input type="checkbox"/> Additional concerns or issues noted below |  |

**Comments**

| Product/ Service Code | Description                      | Unit of Measure | Quantity | Net Amount |
|-----------------------|----------------------------------|-----------------|----------|------------|
| cp015                 | H-325                            | sack            | 325.00   | \$7,312.50 |
| m015                  | Light Equipment Mileage          | mi              | 30.00    | \$60.00    |
| m010                  | Heavy Equipment Mileage          | mi              | 30.00    | \$120.00   |
| m025                  | Ton Mileage - Minimum            | each            | 1.00     | \$300.00   |
| c060                  | Cement Blending & Mixing Service | sack            | 325.00   | \$455.00   |
| d010                  | Depth Charge: 0'-500'            | job             | 1.00     | \$1,000.00 |
|                       |                                  |                 | 1.00     | \$0.00     |
| r061                  | Service Supervisor               | day             | 1.00     | \$275.00   |

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

|   |                          |                          |                          |                          |   |                          |                          |
|---|--------------------------|--------------------------|--------------------------|--------------------------|---|--------------------------|--------------------------|
| Based on this job, how likely is it you would recommend HSI to a colleague? |                          | Total Taxable            | \$ -                     | Tax Rate:                |   | Net:                     | \$9,522.50               |
| <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Unlikely  | 1                        | 2                        | 3                        | 4                        | 5   | 6                        | 7                        |
|   | 8                        | 9                        | 10                       | Extremely Likely         | Slate tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt. |                          |                          |
|   |                          |                          |                          |                          | Sale Tax:   | \$ -                     |                          |
|   |                          |                          |                          |                          | Total:  | \$                       | 9,522.50                 |

HSI Representative: *Mark Brungardt*

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X

**CUSTOMER AUTHORIZATION SIGNATURE**







**CEMENT TREATMENT REPORT**

|              |                          |         |                  |          |           |
|--------------|--------------------------|---------|------------------|----------|-----------|
| Customer:    | NEC OPERATING KANSAS LLC | Well:   | KING OF WHALES 1 | Ticket:  | WP4519    |
| City, State: | TROUSDALE KS             | County: | EDWARDS KS       | Date:    | 7/18/2023 |
| Field Rep:   |                          | S-T-R:  | 8-26S-16W        | Service: | PTA       |

| Downhole Information |          |
|----------------------|----------|
| Hole Size:           | 7 7/8 in |
| Hole Depth:          | ft       |
| Casing Size:         | in       |
| Casing Depth:        | ft       |
| Tubing / Liner:      | in       |
| Depth:               | ft       |
| Tool / Packer:       |          |
| Tool Depth:          | ft       |
| Displacement:        | bbls     |

| Calculated Slurry - Lead |                           |
|--------------------------|---------------------------|
| Blend:                   | H-PLUG A                  |
| Weight:                  | 13.8 ppg                  |
| Water / Sx:              | 6.9 gal / sx              |
| Yield:                   | 1.43 ft <sup>3</sup> / sx |
| Annular Bbls / Ft.:      | bbs / ft.                 |
| Depth:                   | ft                        |
| Annular Volume:          | 0.0 bbls                  |
| Excess:                  |                           |
| Total Slurry:            | 56.0 bbls                 |
| Total Sacks:             | 220 sx                    |

| Calculated Slurry - Tail |                      |
|--------------------------|----------------------|
| Blend:                   |                      |
| Weight:                  | ppg                  |
| Water / Sx:              | gal / sx             |
| Yield:                   | ft <sup>3</sup> / sx |
| Annular Bbls / Ft.:      | bbs / ft.            |
| Depth:                   | ft                   |
| Annular Volume:          | 0 bbls               |
| Excess:                  |                      |
| Total Slurry:            | 0.0 bbls             |
| Total Sacks:             | #DIV/0! sx           |

| TIME     | RATE | PSI   | BBLs | TOTAL BBLs | REMARKS                          |
|----------|------|-------|------|------------|----------------------------------|
| 6:50 PM  |      |       | -    | -          | ON LOCATION                      |
|          |      |       |      | -          | 1ST PLUG AT 4800                 |
| 7:35 PM  | 4.4  | 300.0 | 20.0 | 20.0       | PUMP 20 BBL WATER                |
| 7:40 PM  | 4.5  | 310.0 | 12.7 | 32.7       | MIX 50 SKS H-PUG                 |
| 7:48 PM  | 4.5  | 250.0 | 5.0  | 37.7       | PUMP 5 BBL WATER                 |
| 7:50 PM  | 8.0  | 400.0 | 60.0 | 97.7       | PUMP 60 BBL MUD                  |
|          |      |       |      | 97.7       | 2ND PLUG AT 1140'                |
| 10:45 PM | 3.0  | 100.0 | 10.0 | 107.7      | PUMP 10 BBL WATER                |
| 10:48 PM | 3.8  | 120.0 | 12.7 | 120.4      | MIX 50 SKS H-PUG                 |
| 10:50 PM | 5.3  | 200.0 | 9.5  | 129.9      | PUMP 10 BBL WATER                |
|          |      |       |      | 129.9      | 3RD PLUG AT 390'                 |
| 11:20 PM | 3.5  | 80.0  | 5.0  | 134.9      | PUMP 5 BBL WATER                 |
| 11:22 PM | 5.0  | 150.0 | 12.7 | 147.6      | MIX 50 SKS H-PUG                 |
| 10:26 PM | 3.0  | 70.0  | 0.5  | 148.1      | PUMP .5 BBL WATER                |
|          |      |       |      | 148.1      | 4TH PLUG AT 60'                  |
| 12:03 PM | 2.0  | 25.0  | 5.0  | 153.1      | MIX 20 SKS H-PLUG                |
|          |      |       |      | 153.1      | CEMENT TO SURFACE                |
| 12:07 PM | 2.0  | 25.0  | 7.0  | 160.1      | MIX 30 SKS H-PLUG FOR RAT HOLE   |
| 12:12 PM | 2.0  | 25.0  | 5.0  | 165.1      | MIX 20 SKS H-PLUG FOR MOUSE HOLE |
|          |      |       |      | -          |                                  |
|          |      |       |      | -          |                                  |
|          |      |       |      | -          |                                  |
|          |      |       |      | -          | JOB COMPLETE, THANK YOU!         |
|          |      |       |      | -          | MIKE MATTAL                      |
|          |      |       |      | -          | AUSTIN & BRIAN                   |
|          |      |       |      | -          |                                  |

| CREW           |           | UNIT    | SUMMARY      |                  |             |
|----------------|-----------|---------|--------------|------------------|-------------|
| Cementer:      | MATTAL    | 912     | Average Rate | Average Pressure | Total Fluid |
| Pump Operator: | CLIFTON   | 179/521 | 3.9 bpm      | 158 psi          | 165 bbls    |
| Bulk #1:       | WHITFIELD | 526/532 |              |                  |             |
| Bulk #2:       |           |         |              |                  |             |

NEC  
KING OF WHALES 1

