

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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)</i> <i>(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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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

**7-14s-27w Gove, ks**

**Adams 4-7**

Job Ticket: 69135

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2022.09.10 @ 19:05:40

## GENERAL INFORMATION:

Formation: **LKC- C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:36:40

Time Test Ended: 03:39:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 3836.00 ft (KB) To 3846.00 ft (KB) (TVD)**

Reference Elevations: 2587.00 ft (KB)

Total Depth: 3846.00 ft (KB) (TVD)

2577.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: 151.60 psig @ 3837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.10

End Date:

2022.09.11

Last Calib.:

2022.09.11

Start Time: 19:05:45

End Time:

03:39:10

Time On Btm:

2022.09.10 @ 22:35:40

Time Off Btm:

2022.09.11 @ 00:36:10

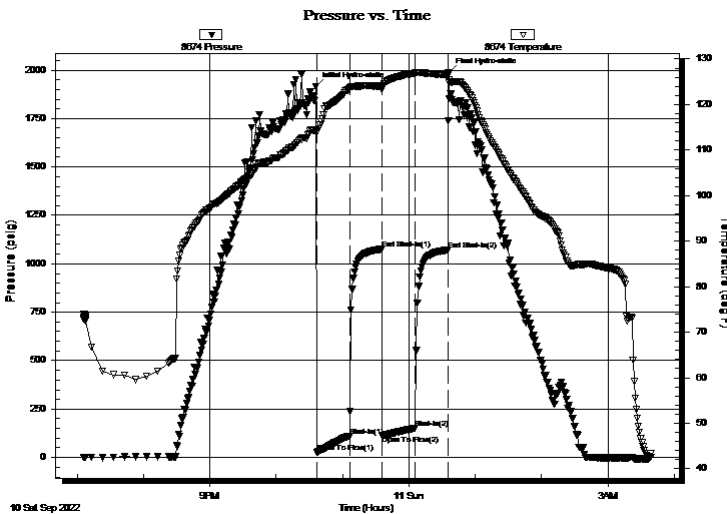
TEST COMMENT: IF: 1/2 blow built to 8.

IS: No return.

FF: Surface blow built to 7.

FS: No return. 30s

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1914.23	114.36	Initial Hydro-static
1	25.85	113.81	Open To Flow (1)
31	109.72	123.46	Shut-In(1)
60	1075.45	124.04	End Shut-In(1)
60	112.74	123.35	Open To Flow (2)
90	151.60	126.89	Shut-In(2)
120	1071.81	126.46	End Shut-In(2)
121	1987.85	125.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
271.00	mcw 95%w 5%m	2.17

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

**7-14s-27w Gove, ks**

**Adams 4-7**

Job Ticket: 69135

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2022.09.10 @ 19:05:40

### GENERAL INFORMATION:

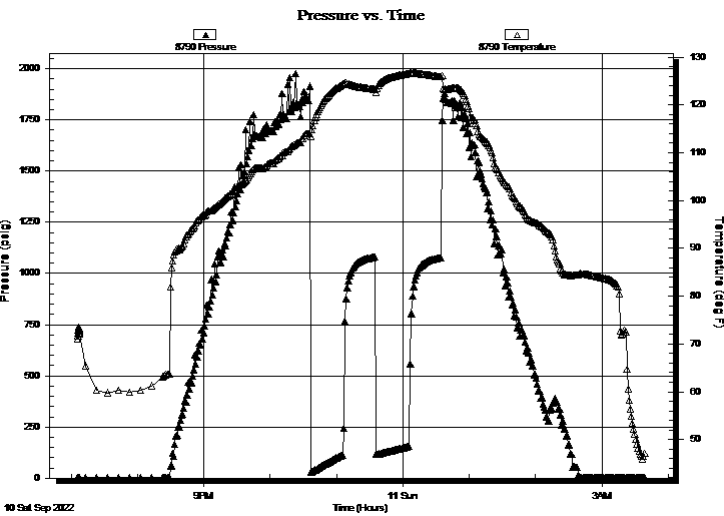
Formation: **LKC- C**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 22:36:40 Tester: Brandon Turley  
Time Test Ended: 03:39:10 Unit No: 79

**Interval: 3836.00 ft (KB) To 3846.00 ft (KB) (TVD)** Reference Elevations: 2587.00 ft (KB)  
Total Depth: 3846.00 ft (KB) (TVD) 2577.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

**Serial #: 8790** **Inside**

Press@RunDepth: psig @ 3837.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2022.09.10 End Date: 2022.09.11	Last Calib.: 2022.09.11
Start Time: 19:05:48 End Time: 03:39:13	Time On Btm: 79
	Time Off Btm: 0

**TEST COMMENT:** IF: 1/2 blow built to 8.  
IS: No return.  
FF: Surface blow built to 7.  
FS: No return. 30s



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
271.00	mcw 95%w 5%m	2.17

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Joe Gerstner Oil

**7-14s-27w Gove, ks**

**Adams 4-7**

Job Ticket: 69135

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2022.09.10 @ 19:05:40

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
271.00	mcw 95%w 5%m	2.171

Total Length: 271.00 ft      Total Volume: 2.171 bbl

Num Fluid Samples: 0

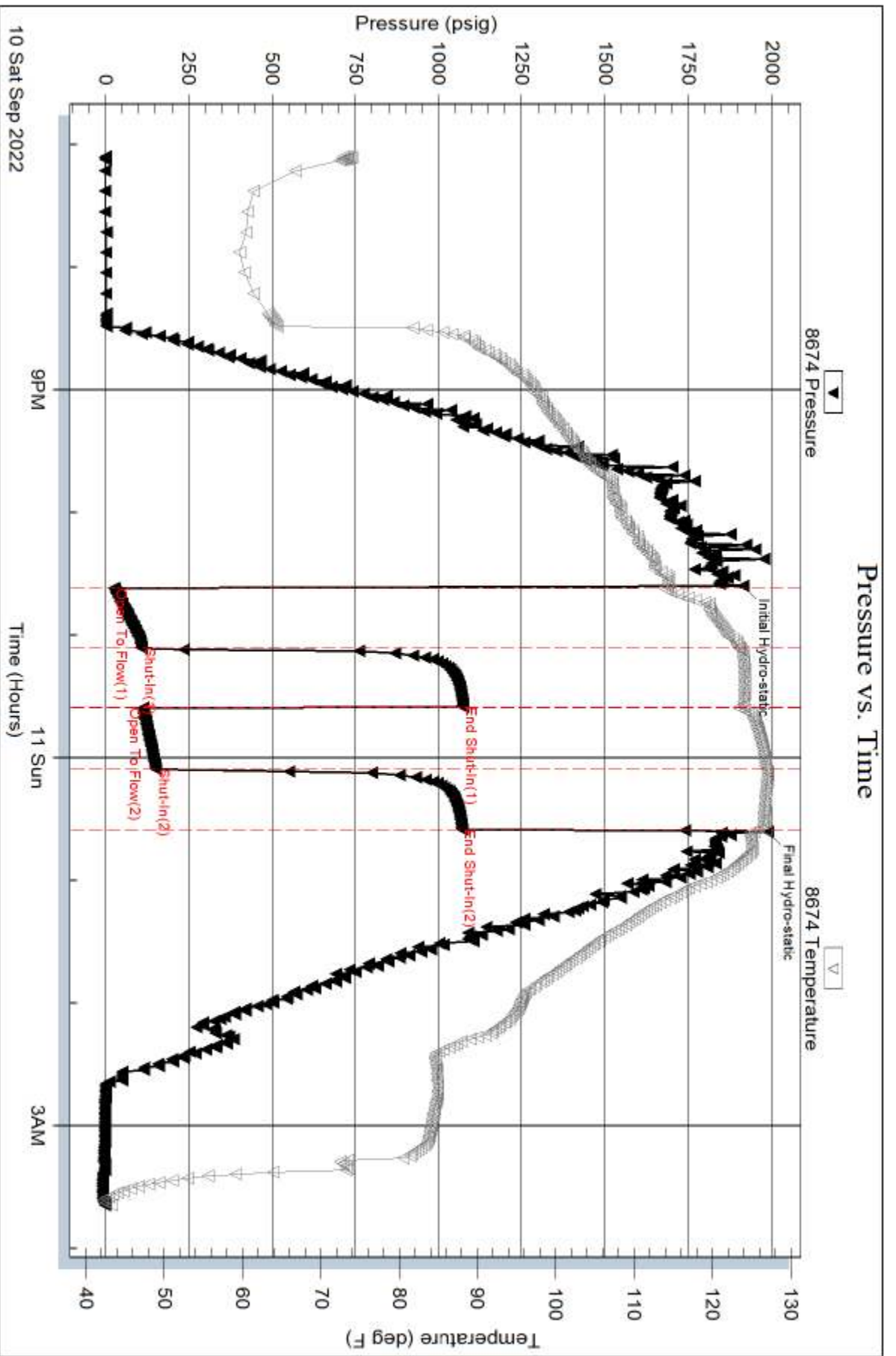
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .49@38=25000



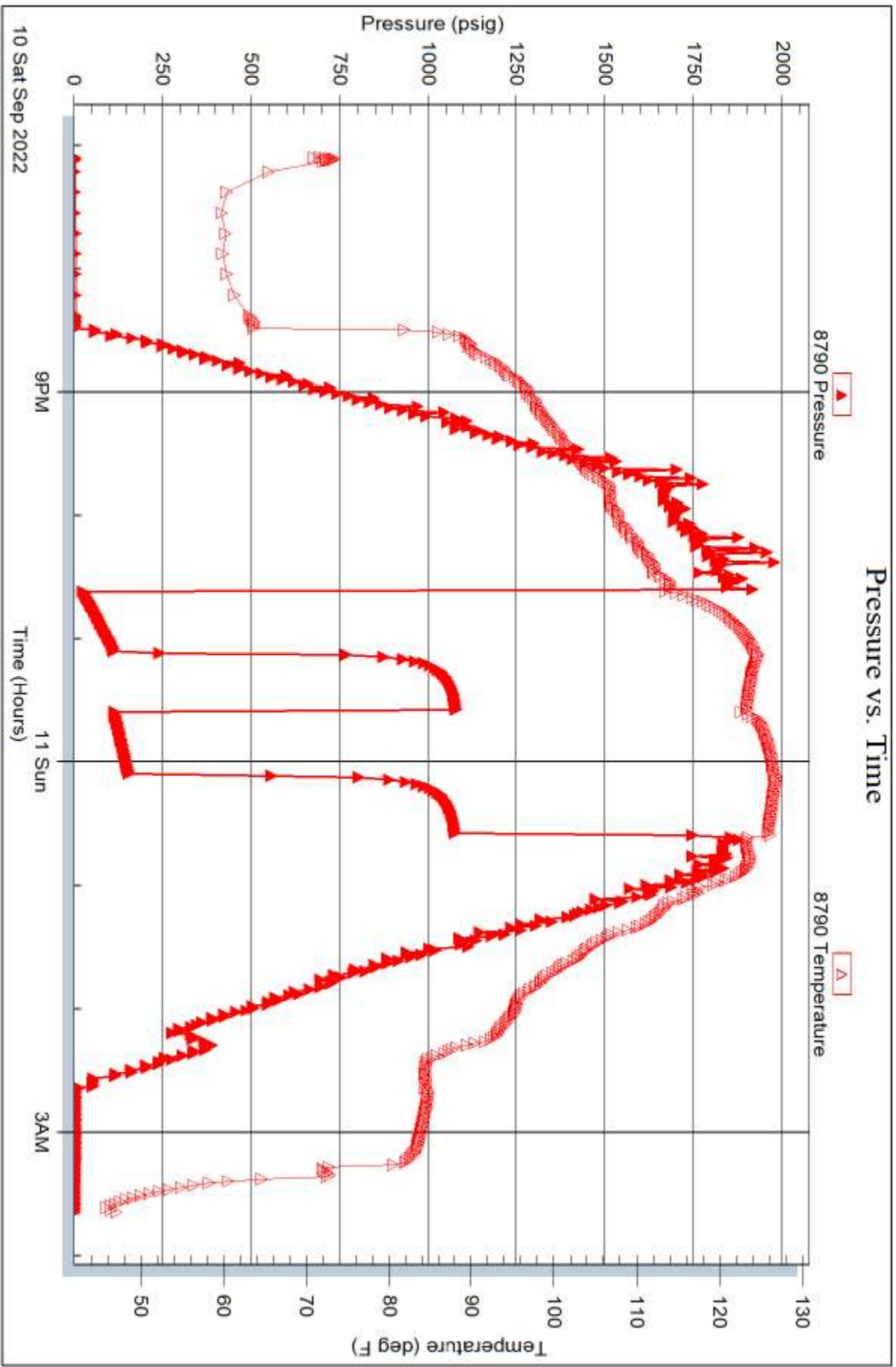
Serial #: 8790

Inside

Joe Gerstner Oil

Adams 4-7

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69135

Printed: 2022.09.11 @ 07:45:29





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, ks

Adams 4-7

Job Ticket: 69136

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2022.09.11 @ 21:34:39

## GENERAL INFORMATION:

Formation: **LKC HIJ**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:25:39  
 Time Test Ended: 05:22:09  
 Interval: **3913.00 ft (KB) To 4013.00 ft (KB) (TVD)**  
 Total Depth: 4013.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 2587.00 ft (KB)  
 2577.00 ft (CF)  
 KB to GR/CF: 10.00 ft

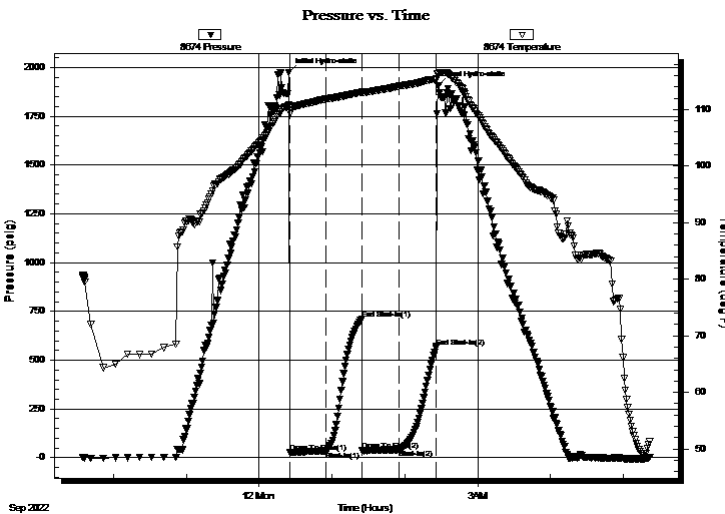
Serial #: **8674**

Outside

Press@RunDepth: 42.10 psig @ 3914.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.09.11 End Date: 2022.09.12 Last Calib.: 2022.09.12  
 Start Time: 21:34:44 End Time: 05:22:08 Time On Btm: 2022.09.12 @ 00:24:39  
 Time Off Btm: 2022.09.12 @ 02:27:39

TEST COMMENT: IF: 1/2 blow built to 1 1/2.  
 IS: No return.  
 FF: Surface blow built to 3/4.  
 FS: No return. 30s

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.28	110.75	Initial Hydro-static
1	25.66	109.34	Open To Flow (1)
31	34.17	111.84	Shut-In(1)
60	709.31	113.06	End Shut-In(1)
61	36.53	112.94	Open To Flow (2)
91	42.10	114.11	Shut-In(2)
122	568.83	115.33	End Shut-In(2)
123	1905.97	116.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 10%o 90%m	0.15

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, ks

**Adams 4-7**

Job Ticket: 69136

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2022.09.11 @ 21:34:39

## GENERAL INFORMATION:

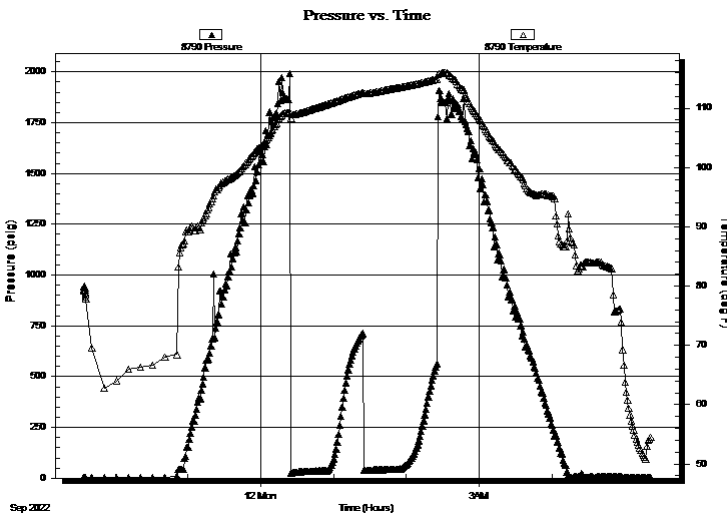
Formation: <b>LKC HIJ</b>			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 00:25:39		Tester: Brandon Turley	
Time Test Ended: 05:22:09		Unit No: 79	
<b>Interval: 3913.00 ft (KB) To 4013.00 ft (KB) (TVD)</b>		Reference Elevations: 2587.00 ft (KB)	
Total Depth: 4013.00 ft (KB) (TVD)		2577.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 10.00 ft	

**Serial #: 8790 Inside**

Press@RunDepth:                   psig @ 3914.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2022.09.11           End Date: 2022.09.12	Last Calib.: 2022.09.12
Start Time: 21:34:08           End Time: 05:21:32	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: 1/2 blow built to 1 1/2.  
 IS: No return.  
 FF: Surface blow built to 3/4.  
 FS: No return. 30s

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 10%o 90%m	0.15

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Joe Gerstner Oil

**7-14s-27w Gove, ks**

**Adams 4-7**

Job Ticket: 69136

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2022.09.11 @ 21:34:39

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	ocm 10%o 90%m	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

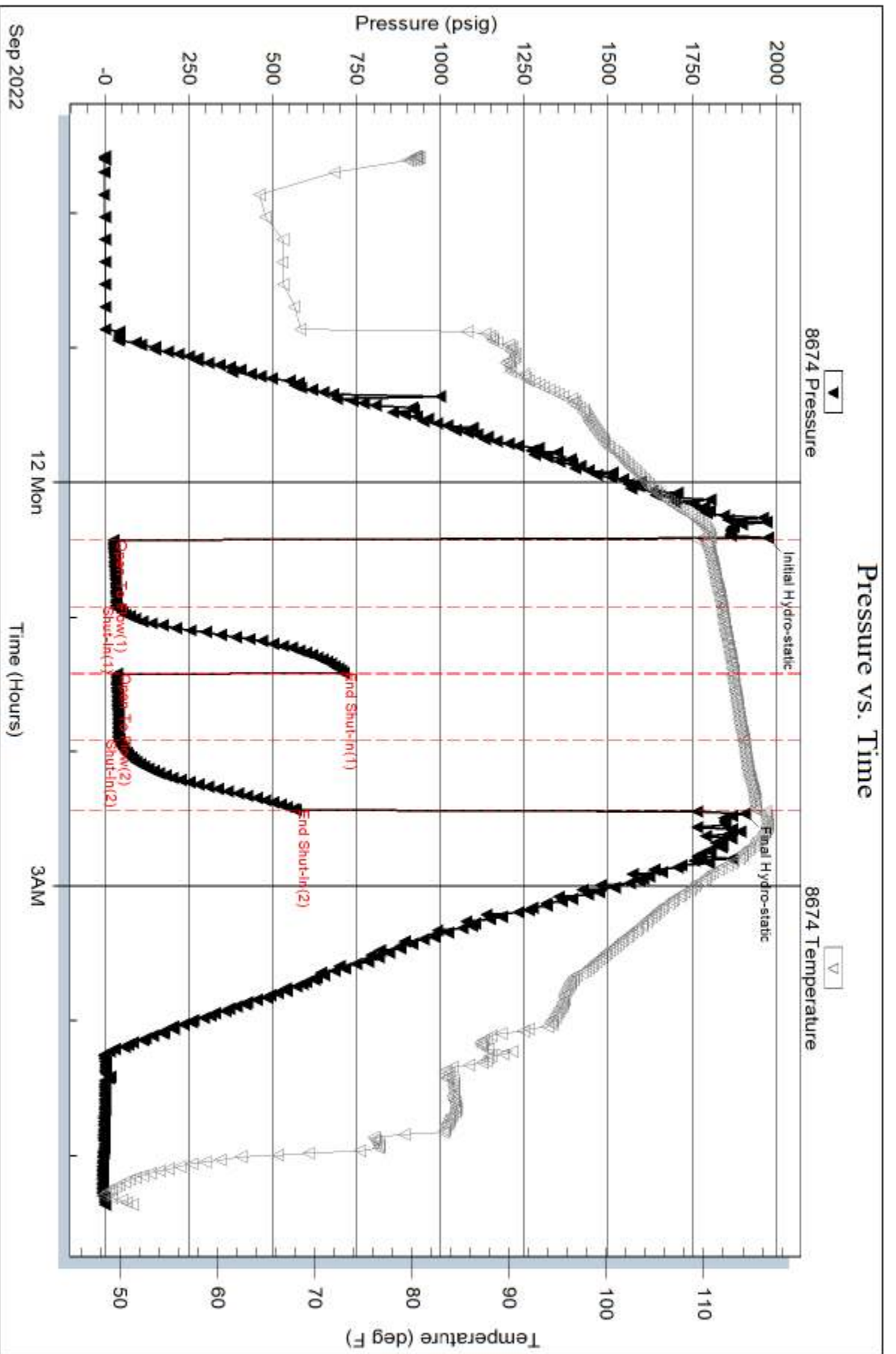
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



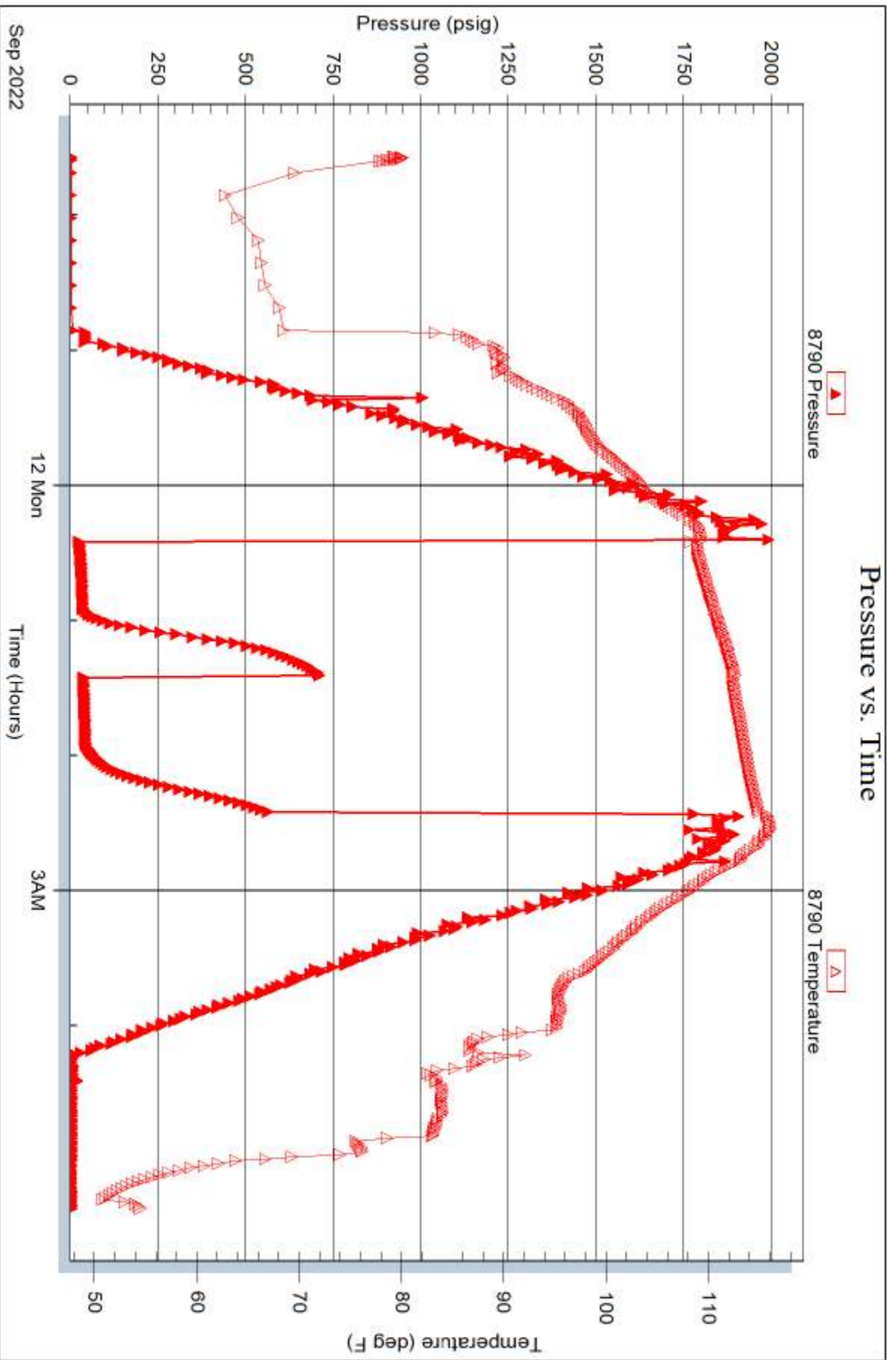
Serial #: 8790

Inside

Joe Gerstner Oil

Adams 4-7

DST Test Number: 2





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

**7-14s-27w Gove,KS**

PO Box 509  
Ness City, KS 67560

**Adams #4-7**

Job Ticket: 69137

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2022.09.12 @ 13:50:26

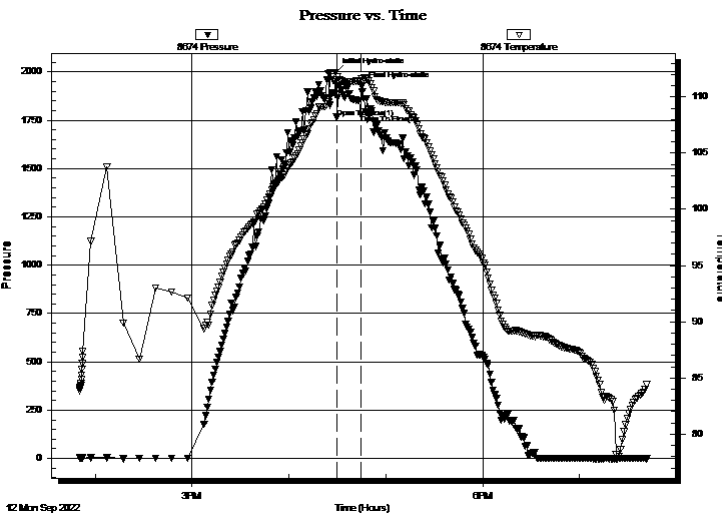
## GENERAL INFORMATION:

Formation: **LKC K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:29:26  
 Time Test Ended: 19:41:26  
**Interval: 3988.00 ft (KB) To 4040.00 ft (KB) (TVD)**  
 Total Depth: 4040.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 2587.00 ft (KB)  
 2577.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: psig @ 3989.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2022.09.12	End Date: 2022.09.12
Start Time: 13:50:31	End Time: 19:41:25
	Last Calib.: 2022.09.12
	Time On Btm: 2022.09.12 @ 16:28:56
	Time Off Btm: 2022.09.12 @ 16:44:56

TEST COMMENT: Packer failure



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.94	111.37	Initial Hydro-static
1	1765.80	111.53	Open To Flow (1)
16	1776.19	111.36	Open To Flow (2)
16	1925.84	111.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
630.00	mud 100%m	7.21

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Joe Gerstner Oil

**7-14s-27w Gove,KS**

PO Box 509  
Ness City, KS 67560

**Adams #4-7**

Job Ticket: 69137

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2022.09.12 @ 13:50:26

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
630.00	mud 100%m	7.207

Total Length: 630.00 ft      Total Volume: 7.207 bbl

Num Fluid Samples: 0

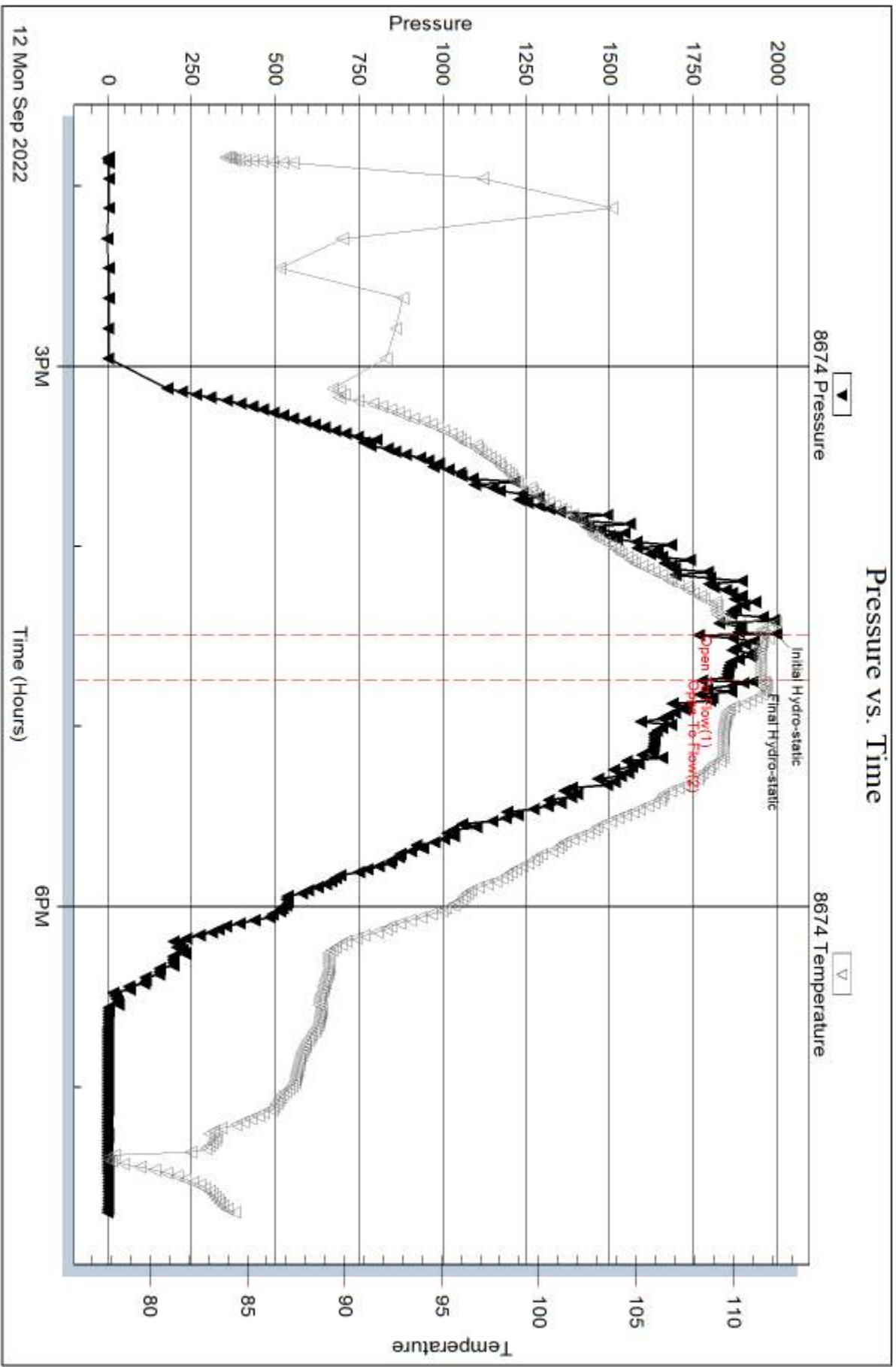
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

**7-14s-27w Gove,KS**

PO Box 509  
Ness City, KS 67560

**Adams #4-7**

Job Ticket: 69138

**DST#: 4**

ATTN: Andrew Stenzel

Test Start: 2022.09.13 @ 01:33:12

## GENERAL INFORMATION:

Formation: **LKC K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:37:42

Time Test Ended: 08:21:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 3913.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Reference Elevations: 2587.00 ft (KB)

Total Depth: 4040.00 ft (KB) (TVD)

2577.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: 48.85 psig @ 3914.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.13

End Date:

2022.09.13

Last Calib.:

2022.09.13

Start Time: 01:33:17

End Time:

08:21:41

Time On Btm:

2022.09.13 @ 03:36:42

Time Off Btm:

2022.09.13 @ 05:40:12

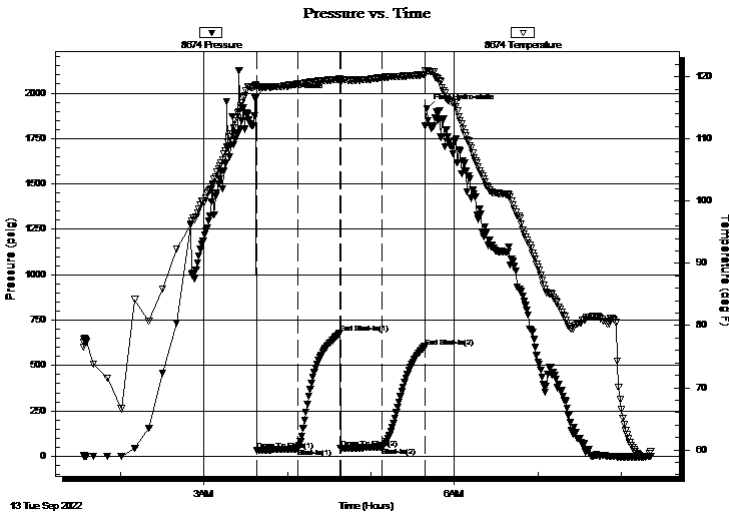
TEST COMMENT: IF: 1/4" blow built to 1 1/2"

IS: No return.

FF: 1 1/2" blow .

FS: No return. 30s

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.43	118.54	Initial Hydro-static
1	30.87	118.33	Open To Flow (1)
31	41.28	118.83	Shut-In(1)
61	678.07	119.63	End Shut-In(1)
62	42.09	119.48	Open To Flow (2)
91	48.85	119.90	Shut-In(2)
122	603.94	120.34	End Shut-In(2)
124	1916.10	121.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	ocm 5%o 95%m	0.25

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Joe Gerstner Oil  
PO Box 509  
Ness City, KS 67560  
ATTN: Andrew Stenzel

**7-14s-27w Gove, KS**  
**Adams #4-7**  
Job Ticket: 69138      **DST#: 4**  
Test Start: 2022.09.13 @ 01:33:12

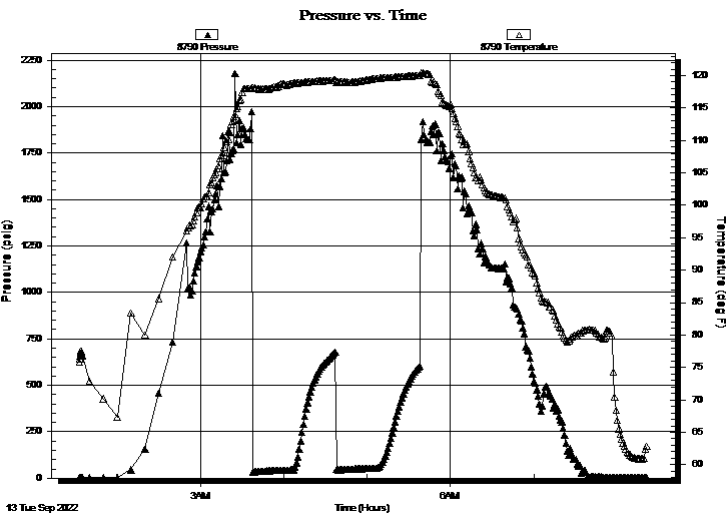
**GENERAL INFORMATION:**

Formation: <b>LKC K</b>			Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:		ft (KB)	Tester: Brandon Turley
Time Tool Opened: 03:37:42			Unit No: 79
Time Test Ended: 08:21:42			
<b>Interval: 3913.00 ft (KB) To 4040.00 ft (KB) (TVD)</b>			Reference Elevations: 2587.00 ft (KB)
Total Depth: 4040.00 ft (KB) (TVD)			2577.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 10.00 ft

**Serial #: 8790      Inside**

Press@RunDepth:	psig @	3914.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2022.09.13	End Date:	2022.09.13	Last Calib.:
Start Time:	01:33:11	End Time:	08:21:35	Time On Btm:
				Time Off Btm:

**TEST COMMENT:** IF: 1/4" blow built to 1 1/2"  
IS: No return.  
FF: 1 1/2" blow .  
FS: No return. 30s



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
50.00	ocm 5%o 95%m	0.25

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Joe Gerstner Oil

**7-14s-27w Gove,KS**

PO Box 509  
Ness City, KS 67560

**Adams #4-7**

Job Ticket: 69138

**DST#: 4**

ATTN: Andrew Stenzel

Test Start: 2022.09.13 @ 01:33:12

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	ocm 5%o 95%m	0.246

Total Length: 50.00 ft      Total Volume: 0.246 bbl

Num Fluid Samples: 0

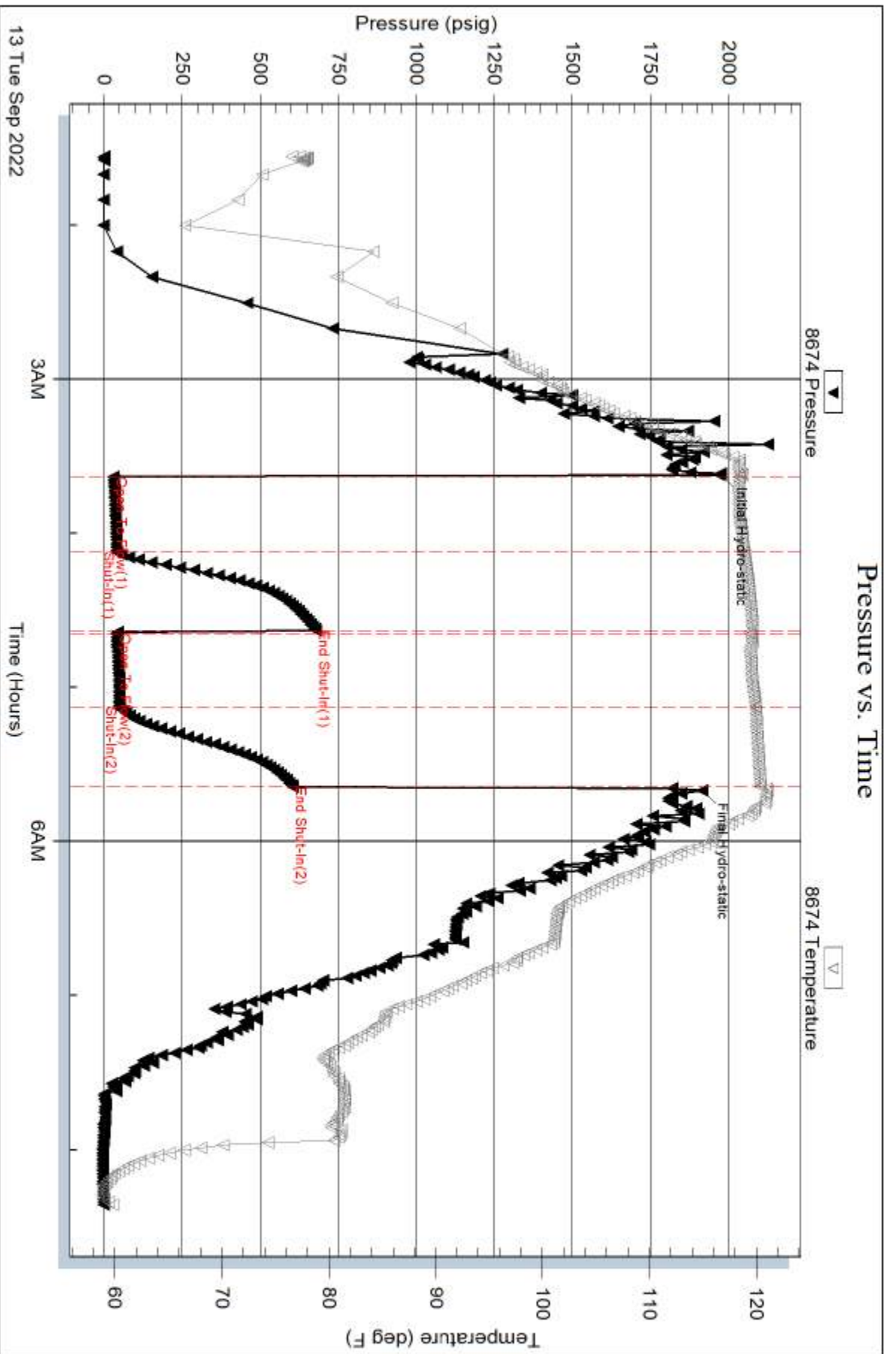
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



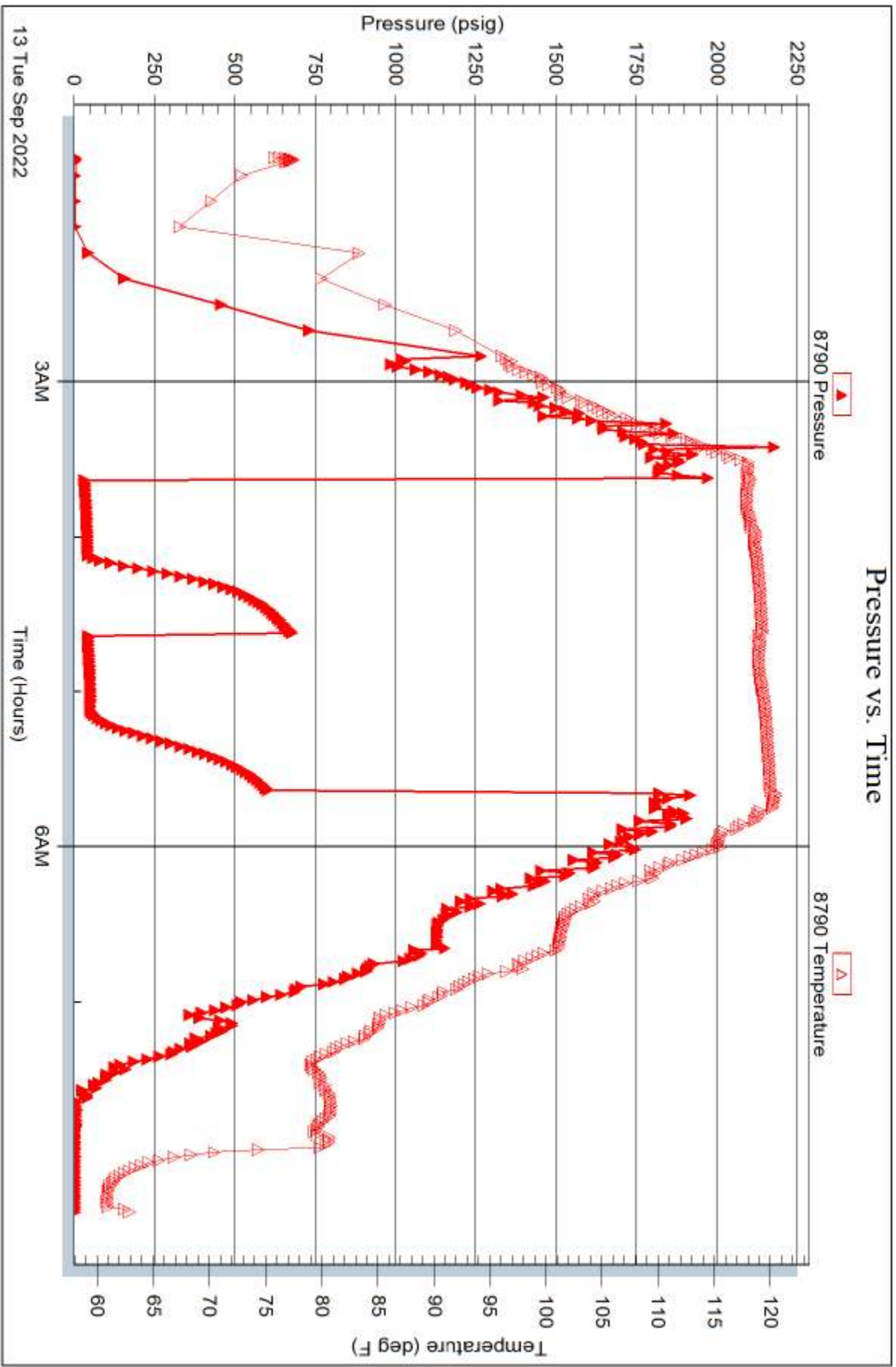
Serial #: 8790

Inside

Joe Gerstner Oil

Adams #4-7

DST Test Number: 4





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

**7-14s-27w Gove, ks**

**Adams 4-7**

Job Ticket: 69139

**DST#: 5**

ATTN: Andrew Stenzel

Test Start: 2022.09.14 @ 12:01:54

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:02:54

Time Test Ended: 20:07:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4301.00 ft (KB) To 4377.00 ft (KB) (TVD)**

Total Depth: 4377.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2587.00 ft (KB)

2577.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: 37.36 psig @ 4302.00 ft (KB)

Start Date: 2022.09.14

End Date:

2022.09.14

Start Time: 12:01:59

End Time:

20:07:23

Capacity: 8000.00 psig

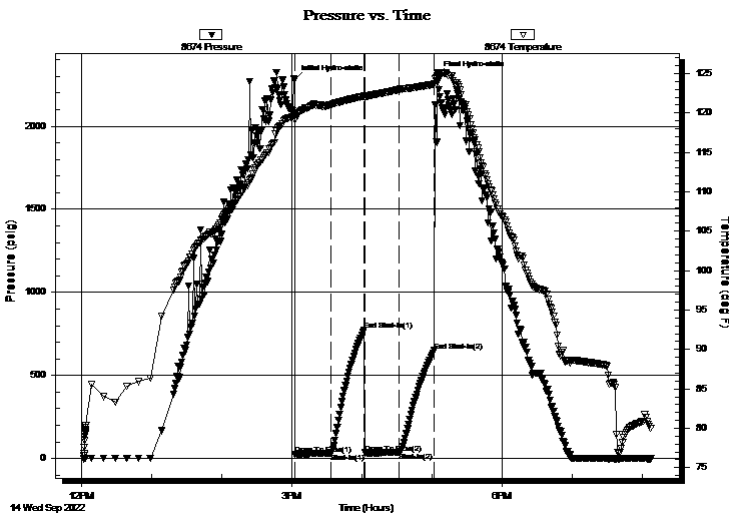
Last Calib.: 2022.09.14

Time On Btm: 2022.09.14 @ 15:02:24

Time Off Btm: 2022.09.14 @ 17:04:24

**TEST COMMENT:** IF: 3/4 blow that never built.  
IS: No return.  
FF: Surface blow built to 1/4.  
FS: No return. 30s

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.78	119.71	Initial Hydro-static
1	27.07	119.18	Open To Flow (1)
31	32.07	121.08	Shut-In(1)
60	772.43	122.14	End Shut-In(1)
60	33.52	121.95	Open To Flow (2)
90	37.36	122.99	Shut-In(2)
120	648.37	123.67	End Shut-In(2)
122	2304.74	125.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Joe Gerstner Oil

**7-14s-27w Gove, ks**

**Adams 4-7**

Job Ticket: 69139

**DST#: 5**

ATTN: Andrew Stenzel

Test Start: 2022.09.14 @ 12:01:54

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

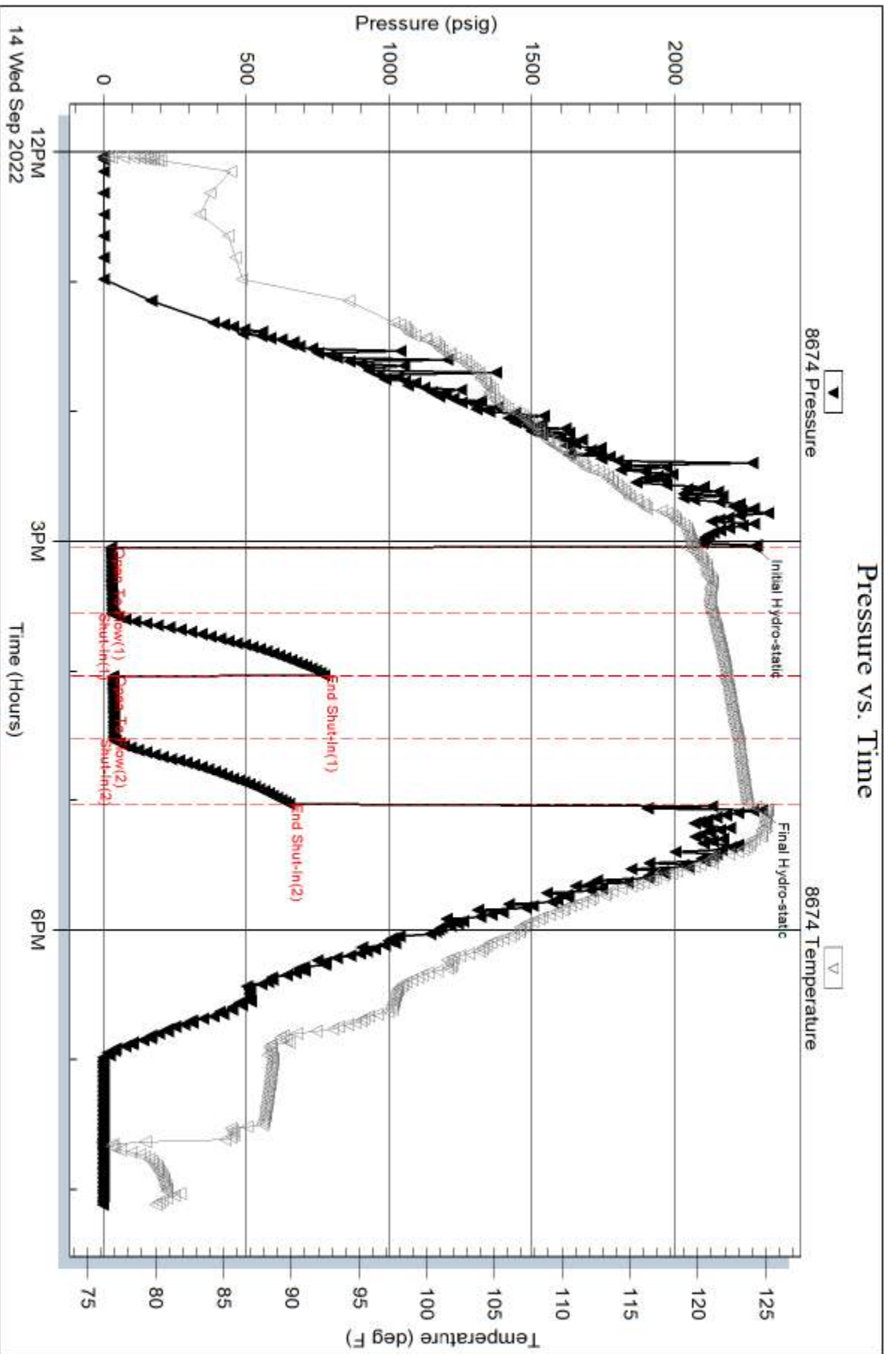


Serial #: 8674

Outside Joe Gerstner Oil

Adams 4-7

DST Test Number: 5



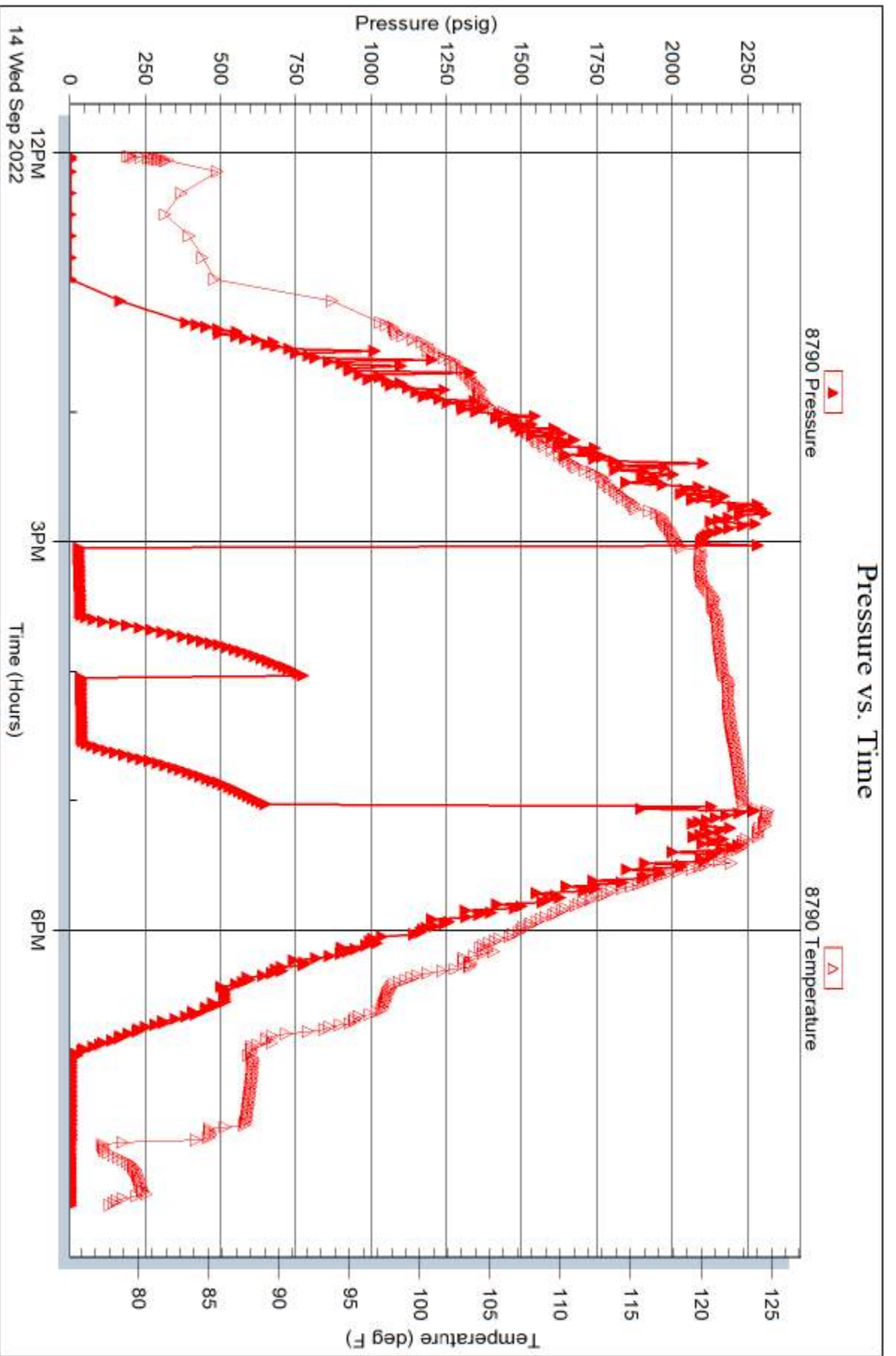
Serial #: 8790

Inside

Joe Gerstner Oil

Adams 4-7

DST Test Number: 5





**CEMENT TREATMENT REPORT**

Customer:	Joe Gerstner Oil Co	Well:	Adams 4-7	Ticket:	WP 3336
City, State:		County:	Gove,KS	Date:	9/7/2022
Field Rep:	Spencer Savage	S-T-R:	7-14S-27W	Service:	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	225 ft
Casing Size:	8 5/8 in
Casing Depth:	225.55 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	13.2 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	ft
Annular Volume:	bbls
Excess:	
Total Slurry:	50.2 bbls
Total Sacks:	200 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:	bbls
Excess:	
Total Slurry:	bbls
Total Sacks:	sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
230am					Arrive on location
245am					Safety Meeting
300am					Rlg Up
					210.55' of casing plus 15' landing joint
422am	5.0	190.0	5.0	5.0	H2O ahead
425am	4.5	250.0	1.0	6.0	Cement Slurry H-325 14.8ppg
428am	5.3	360.0	13.0	18.0	
436am	4.0	300.0	1.0	56.2	Start Displacement
445am	3.0	250.0	13.2	68.4	Plug Down Close in Head Circulated 5 BBLs to the pit
450am					Wash Up
500am					Rig Down
510am					Leave Location

CREW			UNIT	SUMMARY		
Cementer:	Spencer		26	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Micheal		230	4.4 bpm	270 psi	33 bbls
Bulk #1:	Tyler		180/250			
Bulk #2:						

68.4



**CEMENT TREATMENT REPORT**

Customer: Joe Gerstner	Well: Adams #4-7	Ticket: WP 3384
City, State: Park KS	County: Gove KS	Date: 9/16/2022
Field Rep: Jesus	S-T-R: 7-14S-27	Service: PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4503 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
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	2050 ft
Annular Volume:	83.2 bbls
Excess:	
Total Slurry:	64.4 bbls
Total Sacks:	255 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:	0 sx

TIME	RATE	PSI	BBLs	STAGE TOTAL BBLs	REMARKS
1:30 AM			-	-	Arrived on location
1:40 AM				-	Safety meeting
1:50 AM				-	Rigged up
3:50 AM	3.3	200.0	5.0	5.0	Water ahead
3:52 AM	4.0	250.0	12.6	17.6	Mixed 50 sacks H-Plug cement 13.8 ppg @ 2050'
3:55 AM	3.3	100.0	5.0	22.6	Begin displacement
4:00 AM				22.6	Pumped mud with rig pump for 1:30 minutes
4:47 AM	3.0	150.0	5.0	27.6	Water ahead
4:49 AM	4.3	250.0	25.2	52.8	Mixed 100 sacks H-Plug cement 13.8 ppg @ 1050'
5:00 AM	3.4	100.0	7.0	59.8	Begin displacement
5:39 AM	3.3	100.0	5.0		Water ahead
5:40 AM	5.6	300.0	12.6		Mixed 50 sacks H-Plug cement 13.8 ppg @ 275'
5:43 AM	3.0	100.0	0.5		Begin displacement
6:44 AM	2.5	100.0	2.5		Mixed 10 sacks H-Plug cement 13.8 ppg with wooden plug for top 40'
6:47 AM	2.5	100.0	3.7		Mixed 15 sacks H-Plug cement 13.8 ppg for mouse hole plug
6:51 AM	2.5	100.0	7.5		Mixed 30 sacks H-Plug cement 13.8 ppg for rat hole plug
6:54 AM					Plug down
6:56 AM					Washed up and rigged down
7:11 AM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose	208	3.4 bpm	154 psi	92 bbls
Bulk #1:	Kale	159-530			
Bulk #2:					



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

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

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

Laura Kelly, Governor

February 17, 2023

Debra Stenzel  
Joe Gerstner Oil, LLC  
PO BOX 509  
NESS CITY, KS 67560-0509

Re: ACO-1  
API 15-063-22416-00-00  
ADAMS 4-7  
NW/4 Sec.07-14S-27W  
Gove County, Kansas

Dear Debra Stenzel:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 9/7/2022 and the ACO-1 was received on February 15, 2023 (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



Home  
(785) 798-2400

# Andrew Stenzel Geologist

Ness City, Kansas



Cell  
(785) 798-5977

## Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Adams #4-7  
 API: 15-063-22416-00-00  
 Location: Sec. 7-14S-27W (Gove County)  
 License Number: Region: KANSAS  
 Spud Date: 9/6/2022 Drilling Completed: 9/15/2022  
 Surface Coordinates: 1312' FNL & 1985' FWL

Bottom Hole  
 Coordinates:  
 Ground Elevation (ft): 2576 K.B. Elevation (ft): 2587  
 Logged Interval (ft): 3600 To: TD Total Depth (ft): 4500  
 Formation: MISSISSIPPIAN  
 Type of Drilling Fluid: Mud-Co Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### OPERATOR

Company: Joe Gerstner Oil, LLC  
 Address: PO Box 509  
 Ness City, KS 67560

### GEOLOGIST

Name: Andrew Stenzel  
 Company: Petroleum Geologist  
 Address: 501 S. Franklin  
 Ness City, KS 67560

### Drilling Report

#### DAILY DRILLING REPORT:

9/6/22 MIRU, ran surface casing  
 9/7/22 Waiting on Cement  
 9/8/22 Drilling @ 1600'  
 9/9/22 Drilling @ 3200'  
 9/10/22 Preparing to run DST #1  
 9/11/22 DST #2  
 9/12/22 Tripping in hole with bit @ 4013', DST#3  
 9/13/22 DST #4  
 9/14/22 Short trip before DST #5, ran DST #5  
 9/15/22 Ran electric logs, DST #6, Plugged & Abandoned

## Services

RIG: Murfin Drilling, Rig #22

MUD: MUDCO

LOGS: Gemini Wireline; CNDL, PE, DIL, ML

## Casing Record

SURFACE Casing: Ran 5 jts 8 5/8", 23# casing at 225'

PRODUCTION Casing: None

## Formation Tops

Sample Tops		LogTops	
Anhy.	2025 (+562)	Anhy.	2026 (+561)
Base Anhy.	2061 (+526)	Base Anhy.	2060 (+527)
Heebner	3730 (-1143)	Heebner	3727 (-1140)
Lansing	3769 (-1182)	Lansing	3767 (-1180)
Muncie Cr.	3915 (-1328)	Muncie Cr.	3914 (-1327)
Stark Sh	4000 (-1413)	Stark Sh	4000 (-1413)
Pawnee	4208 (-1621)	Pawnee	4208 (-1621)
Ft. Scott	4259 (-1672)	Ft. Scott	4264 (-1677)
Cher. Sh.	4286 (-1699)	Cher. Sh.	4288 (-1701)
Miss.	4353 (-1766)	Miss.	4362 (-1775)
RTD	4500 (-1913)	LTD	4497 (-1910)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gersiner Oil

7-14s-27w Gove, KS

PO Box #509  
Ness City, KS 67550

**Adams #4-7**

Job Ticket: 69135

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2022.09.10 @ 19:05:40

## GENERAL INFORMATION:

Formation: LKC C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:36:40

Time Test Ended: 03:39:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 3836.00 ft (KB) To 3846.00 ft (KB) (TVD)

Reference Elevations: 2587.00 ft (KB)

Total Depth: 3846.00 ft (KB) (TVD)

2577.00 ft (CP)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Outside

Press @ Run Depth: 151.60 psig @ 3837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.10

End Date: 2022.09.11

Last Calib.: 2022.09.11

Start Time: 19:05:45

End Time: 03:39:10

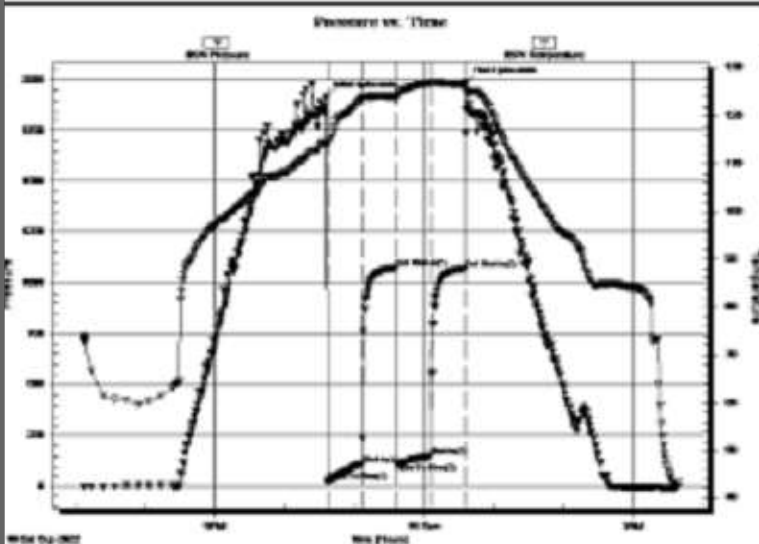
Time On Btm: 2022.09.10 @ 22:35:40

Time Off Btm: 2022.09.11 @ 00:36:10

TEST COMMENT: IF: 1/2" blow built to 8"  
IS: No return.

FF: Surface blow built to 7"

FS: No return. 30s



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1914.23	114.36	Initial Hydro-static
1	25.85	113.81	Open To Flow (1)
31	109.72	123.46	Shut-in(1)
60	1075.45	124.04	End Shut-in(1)
60	112.74	123.35	Open To Flow (2)
90	151.60	126.89	Shut-in(2)
120	1071.81	126.46	End Shut-in(2)
121	1967.85	125.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
271.00	mcw 95%w 5%m	2.17

## Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mold)





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, KS

PO Box #509  
Ness City, KS 67560

Adams #4-7

Job Ticket: 69136

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2022.09.11 @ 21:34:39

## GENERAL INFORMATION:

Formation: LKC H-J

Deviated: No Whipstock ft (KB)

Time Tool Opened: 00:25:39

Time Test Ended: 05:22:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3913.00 ft (KB) To 4013.00 ft (KB) (TVD)

Total Depth: 4013.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2587.00 ft (KB)

2577.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8674

Outside

Press @ Run Depth: 42.10 psig @ 3914.00 ft (KB)

Start Date: 2022.09.11

End Date: 2022.09.12

Start Time: 21:34:44

End Time: 05:22:08

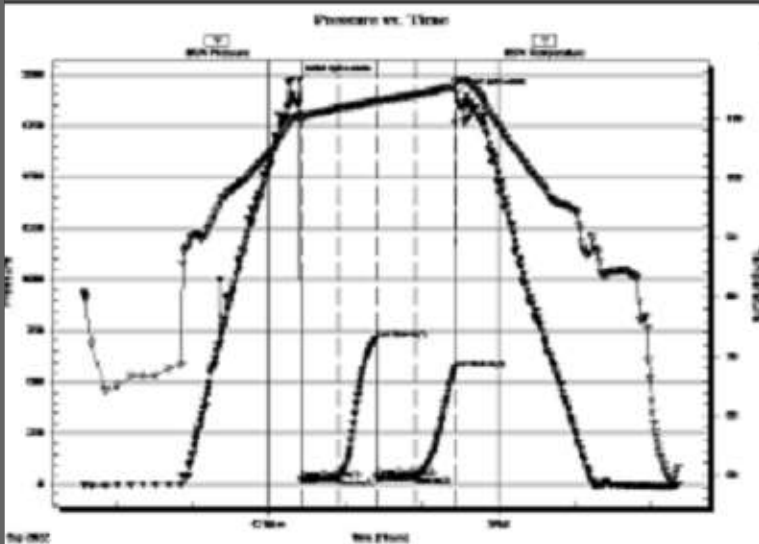
Capacity: 8000.00 psig

Last Calib.: 2022.09.12

Time On Str: 2022.09.12 @ 00:24:39

Time Off Str: 2022.09.12 @ 02:27:39

TEST COMMENT: IF: 1/2" blow built to 1 1/2"  
IS: No return.  
FF: Surface blow built to 3/4"  
FS: No return. 30s



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.28	110.75	Initial Hydro-static
1	25.66	109.34	Open To Flow (1)
31	34.17	111.84	Shut-in(1)
60	709.31	113.06	End Shut-in(1)
61	35.53	112.94	Open To Flow (2)
91	42.10	114.11	Shut-in(2)
122	568.83	115.33	End Shut-in(2)
123	1905.97	116.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 10%o 90%w	0.15

## Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, KS

PO Box #509  
Ness City, KS 67550

Adams #4-7

Job Ticket: 69137

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2022.09.12 @ 13:50:26

## GENERAL INFORMATION:

Formation: LKC K

Deviated: No Whipstock ft (KB)

Time Tool Opened: 16:29:26

Time Test Ended: 19:41:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3988.00 ft (KB) To 4040.00 ft (KB) (TVD)

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2587.00 ft (KB)

2577.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8674

Outside

Press @ Run Depth: psig @ 3989.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.12

End Date: 2022.09.12

Last Calib.: 2022.09.12

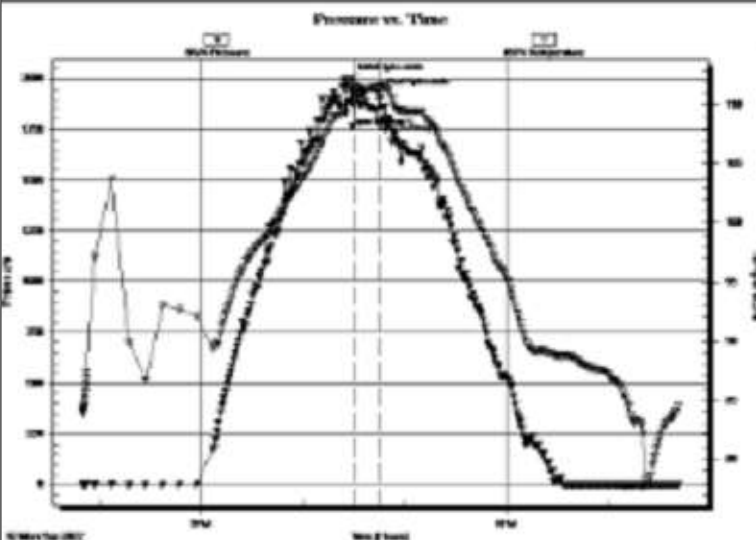
Start Time: 13:50:31

End Time: 19:41:26

Time On Btm: 2022.09.12 @ 16:28:56

Time Off Btm: 2022.09.12 @ 16:44:56

TEST COMMENT: Packer failure



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.94	111.37	Initial Hydro-static
1	1765.80	111.53	Open To Flow (1)
16	1776.19	111.36	Open To Flow (2)
16	1925.84	111.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
630.00	mud 100% m	7.21

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, KS

PO Box #509  
Ness City, KS 67550

Adams #4-7

Job Ticket: 69138

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2022.09.13 @ 01:33:12

## GENERAL INFORMATION:

Formation: LKC K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:37:42

Time Test Ended: 08:21:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3913.00 ft (KB) To 4040.00 ft (KB) (TVD)

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2587.00 ft (KB)

2577.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8674

Outside

Press @ Run Depth: 48.85 psig @ 3914.00 ft (KB)

Start Date: 2022.09.13

End Date: 2022.09.13

Start Time: 01:33:17

End Time: 08:21:41

Capacity: 8000.00 psig

Last Calb.: 2022.09.13

Time On Btm: 2022.09.13 @ 03:36:42

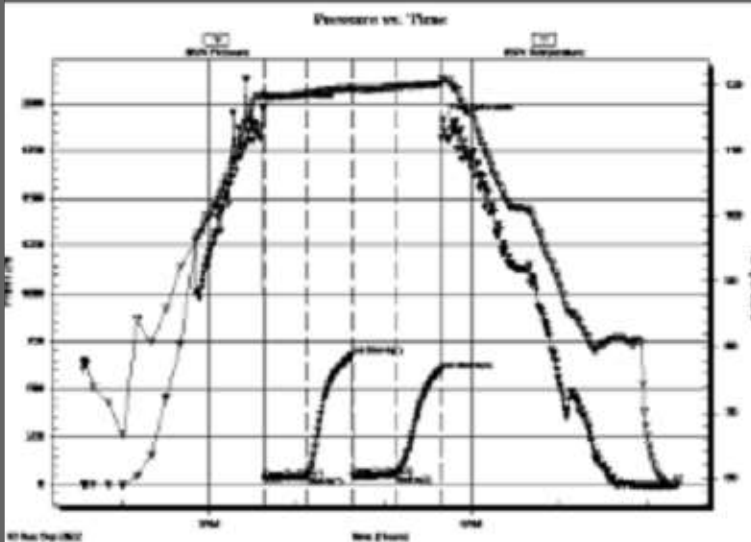
Time Off Btm: 2022.09.13 @ 05:40:12

TEST COMMENT: F: 1/4 blow built to 1 1/2.

IS: No return.

FF: 1 1/2 blow.

FS: No return. 30s



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.43	118.54	Initial Hydro-static
1	30.87	118.33	Open To Flow (1)
31	41.28	118.83	Shut-in(1)
61	578.07	119.63	End Shut-in(1)
62	42.09	119.48	Open To Flow (2)
91	48.85	119.90	Shut-in(2)
122	503.94	120.34	End Shut-in(2)
124	1915.10	121.03	Final Hydro-static

## Recovery

Length (%)	Description	Volume (bb)
50.00	ocm 5% o 95% m	0.25

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, KS

PO Box #509  
Ness City, KS 67560

Adams #4-7

Job Ticket: 69139

DST#: 5

ATTN: Andrew Stenzel

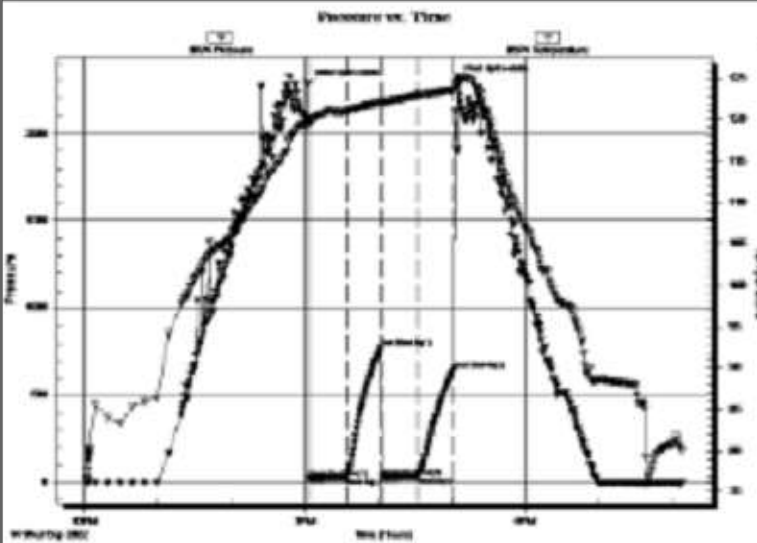
Test Start: 2022.09.14 @ 12:01:54

## GENERAL INFORMATION:

Formation: **Mis s**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 15:02:54  
 Time Test Ended: 20:07:24  
 Interval: **4301.00 ft (KB) To 4377.00 ft (KB) (TVD)**  
 Total Depth: **4377.00 ft (KB) (TVD)**  
 Hole Diameter: **7.83 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Brandon Turley**  
 Unit No: **79**  
 Reference Elevations: **2587.00 ft (KB)**  
**2577.00 ft (CF)**  
 KB to GR/CF: **10.00 ft**

Serial #: **8674** Outside  
 Press@RunDepth: **37.36 psig @ 4302.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2022.09.14** End Date: **2022.09.14** Last Calib.: **2022.09.14**  
 Start Time: **12:01:59** End Time: **20:07:23** Time On Strt: **2022.09.14 @ 15:02:24**  
 Time Off Strt: **2022.09.14 @ 17:04:24**

TEST COMMENT: **IF: 3/4 blow that never built.**  
**IS: No return.**  
**FF: Surface blow built to 1/4.**  
**PS: No return. 30s**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.78	119.71	Initial Hydro-static
1	27.07	119.18	Open To Flow (1)
31	32.07	121.08	Shut-in (1)
60	772.43	122.14	End Shut-in (1)
60	33.52	121.95	Open To Flow (2)
90	37.36	122.99	Shut-in (2)
120	648.37	123.67	End Shut-in (2)
122	2304.74	125.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Joe Gerstner Oil

7-14s-27w Gove, KS

PO Box #509  
Ness City, KS 67550

Adams #4-7

Job Ticket: 66085

DST#: 6

ATTN: Andrew Stenzel

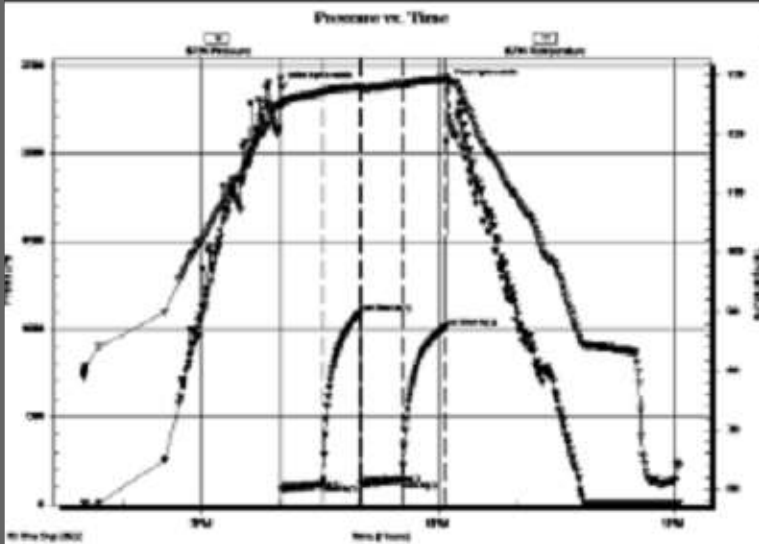
Test Start: 2022.09.15 @ 13:30:00

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: **Conventional Straddle (Reset)**  
 Time Tool Opened: 16:01:10 Tester: **Martine Salinas**  
 Time Test Ended: 21:05:00 Unit No: **62**  
 Interval: **4285.00 ft (KB) To 4395.00 ft (KB) (TVD)** Reference Elevations: **2587.00 ft (KB)**  
 Total Depth: **4497.00 ft (KB) (TVD)** **2577.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **10.00 ft**

Serial #: **8734** Outside  
 Press @ Run Depth: **138.91 psig @ 4385.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2022.09.15** End Date: **2022.09.15** Last Calib.: **2022.09.15**  
 Start Time: **13:30:01** End Time: **21:05:00** Time On Btm: **2022.09.15 @ 16:01:00**  
 Time Off Btm: **2022.09.15 @ 18:07:30**

TEST COMMENT: 30-F-Blow built to 2"  
 30-IS-Blow built to 1/2"  
 30-FF-Blow built to 1/2"  
 30-FS-Blow built to 1/2"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2375.27	125.41	Initial Hydro-static
1	88.70	124.54	Open To Flow (1)
32	119.20	127.15	Shut-In (1)
61	1089.17	127.93	End Shut-In (1)
61	118.30	127.51	Open To Flow (2)
92	138.91	128.34	Shut-In (2)
125	1014.43	129.20	End Shut-In (2)
127	2391.12	129.29	Final Hydro-static

## Recovery



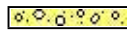

Length (ft)	Description	Volume (bb)
65.00	100% Mud	0.32





## Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

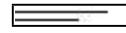



### ROCK TYPES

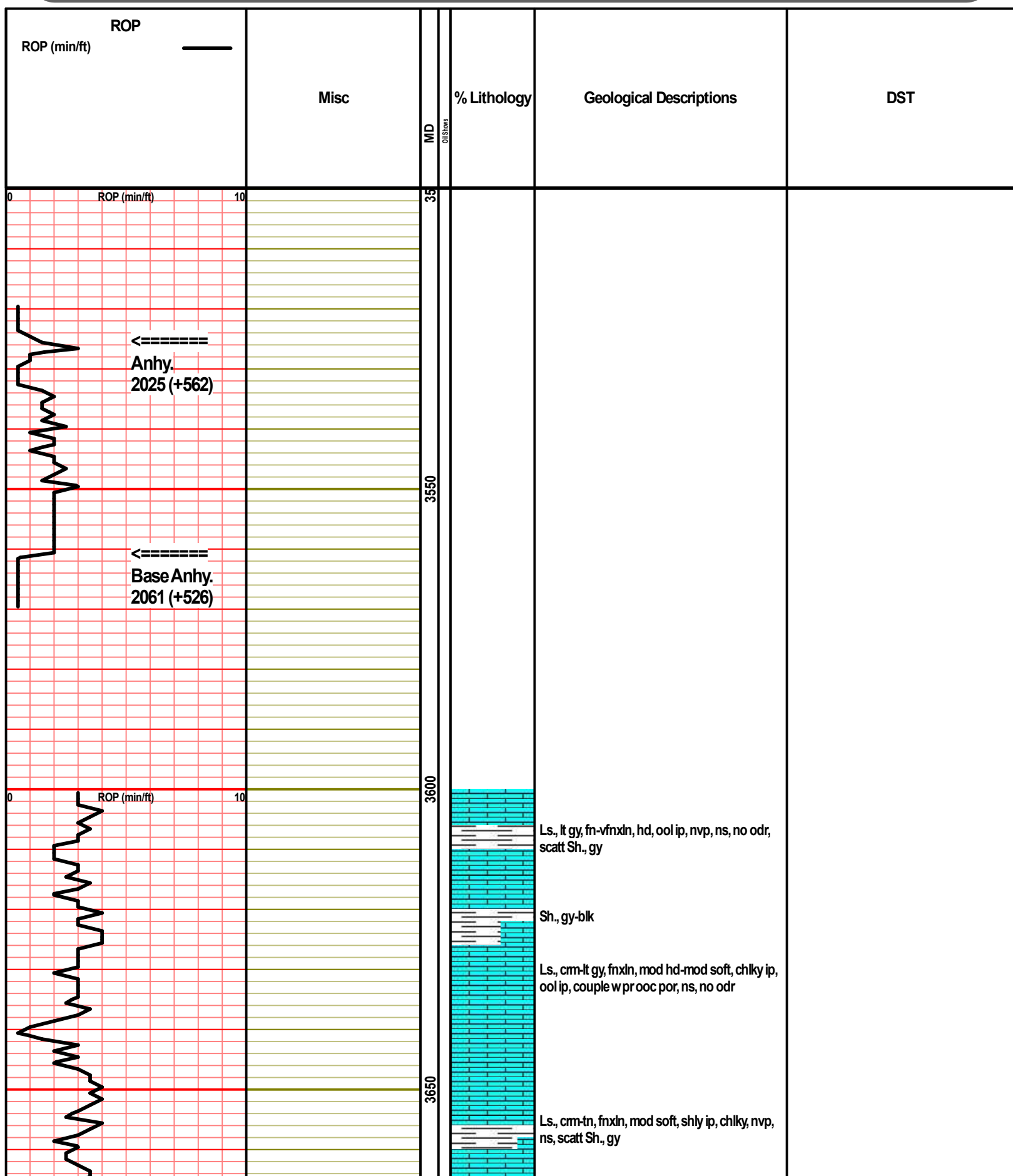
-  Anhy
-  Bent
-  Brec
-  Cht

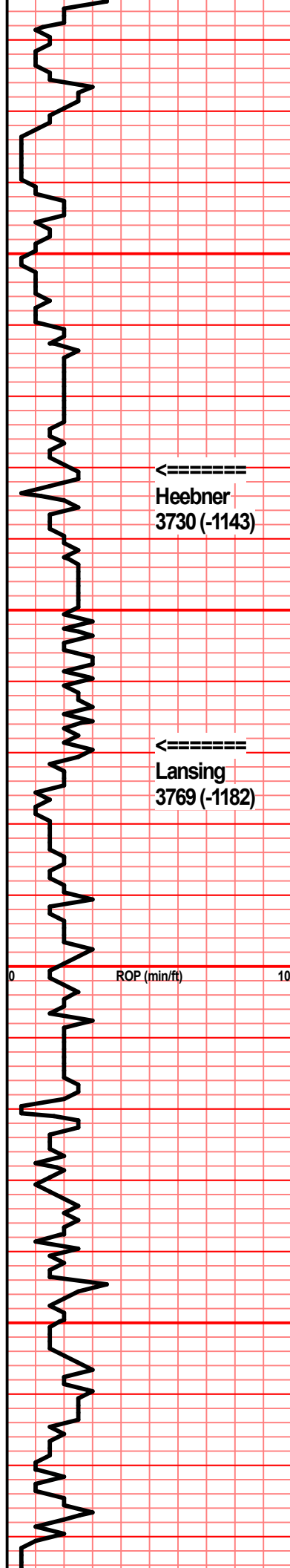
-  Clyst
-  Carb shale
-  Congl
-  Dol

-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till





Heebner  
3730 (-1143)

Lansing  
3769 (-1182)

3700  
3750  
3800  
3850

Ls, cm-tn, fn-vfnxn, mod hd-mod soft, chlky ip, ool ip, few pc w pr introol por, ns, no odr

Ls., cm-tn-mottld bm, fnxn, mod hd, shly ip, chlky, nvp, ns

Sh., blk, carb

Sh., lt gry-lt gm, vy soft, Ls., cm, vfnxn, hd, dns, ool ip, nvp, ns

Ls., cm, fnxn, mod hd-hd, shly ip, dns, couple pcs w pr ppt por, ns, no odr

Sh., bm, vy soft, gy, fiss

Ls., cm, fn-vfnxn, mod hd, dns, nvp, ns, scatt Chrt., cm-lt gy, shp

Ls., cm-tn, fnxn, mod hd-soft, chlky ip, few pcs ool 2 vy pr introol por, shly infill ip, ns, no odr, scatt Chrt., aa, scatt Sh., gy

Ls., cm-lt gy, vfnxn, mod hd-soft ip, chlky ip, rest dns, nvp, ns, no odr

Ls., cm-lt gy, mod hd-soft, chlky ip, rest ool, pr-fr introol por, ns, no odr or stn

3846 cfs Ls., cm, fnxn, mod hd-mod soft, ool, scatt pcs w pr-fr introol & ppt por, FSFO, lt bm sli dead oil ip, bm spot stn, fr cup odr, scatt Sh., gy

Sh., gy

3858 cfs Ls., cm-lt gy, fnxn, ool, scatt pcs w fr introol por, FSFO ip, some w VSSFO, tm bm stn, wk cup odr VSSG in few pcs, wk odr on brk

3875 cfs Ls., tn-cm, fn-vfnxn, mod hd-mod soft, chlky ip, couple pcs lt gy, ool, w pr introol por, FSFO, tr lt bm stn, no det odr, scatt Sh., aa

DST 1  
cfs 3846  
cfs 3858  
cfs 3875

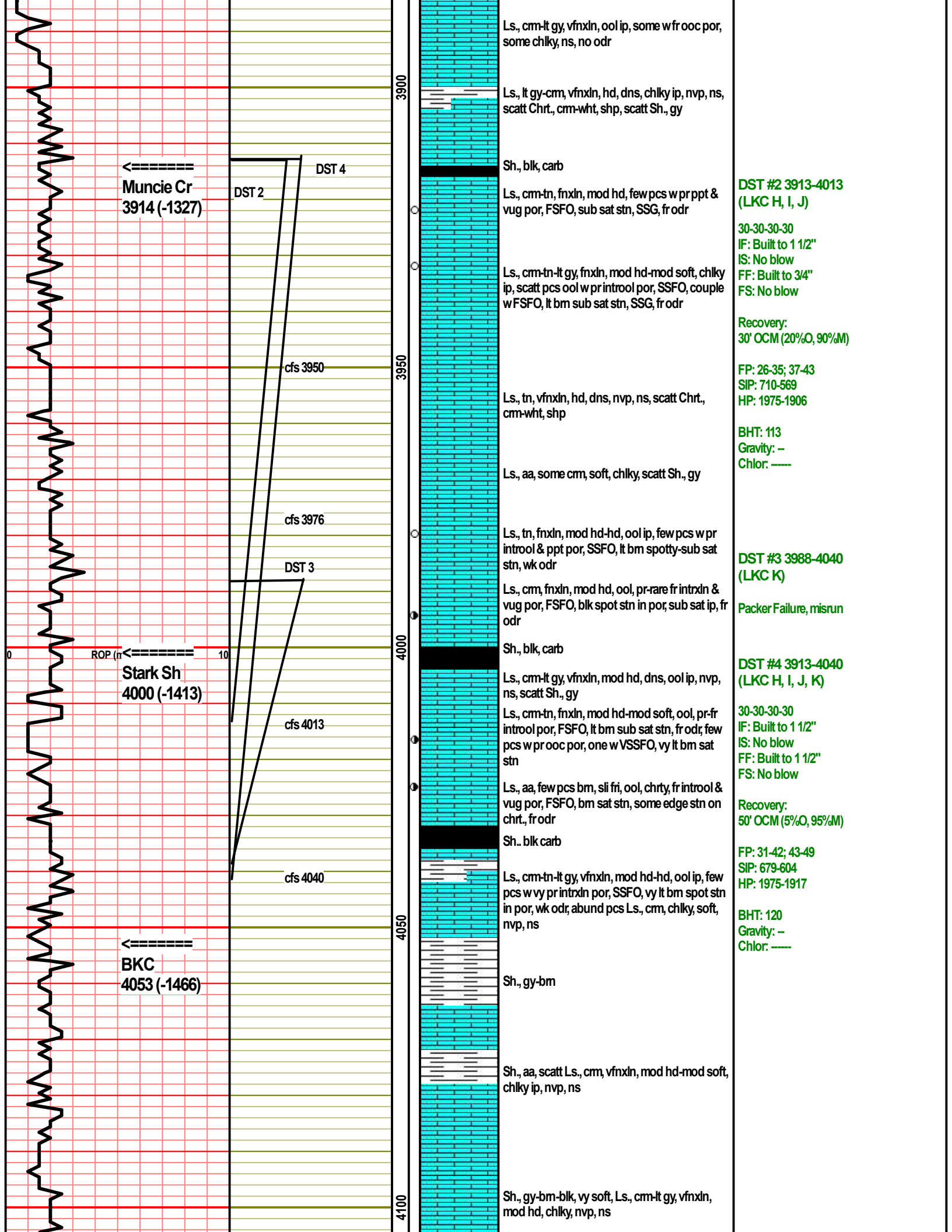
DST #1 3836-3846 (LKC C)

30-30-30-30  
IF: Built to 8"  
IS: No blow  
FF: Built to 7"  
FS: No blow

Recovery:  
271' MCW (95%W, 5%M)

FP: 26-110; 113-152  
SIP: 1075-1072  
HP: 1975-1906

BHT: 126  
Gravity: -  
Chlor: 25000 PPM



←-----  
**Muncie Cr**  
**3914 (-1327)**

DST 2      DST 4

cfs 3950

cfs 3976

DST 3

ROP (ft) ←----- 10  
**Stark Sh**  
**4000 (-1413)**

cfs 4013

cfs 4040

←-----  
**BKC**  
**4053 (-1466)**

3900  
3950  
4000  
4050  
4100

Ls., cm-lt gy, vfnxn, ool ip, some w fr ooc por, some chky, ns, no odr

Ls., lt gy-cm, vfnxn, hd, dns, chky ip, nvp, ns, scatt Chrt., cm-wht, shp, scatt Sh., gy

Sh., blk, carb

Ls., cm-tn, fnxln, mod hd, few pcs w pr ppt & vug por, FSFO, sub sat stn, SSG, fr odr

Ls., cm-tn-lt gy, fnxln, mod hd-mod soft, chky ip, scatt pcs ool w pr introol por, SSFO, couple w FSFO, lt bm sub sat stn, SSG, fr odr

Ls., tn, vfnxn, hd, dns, nvp, ns, scatt Chrt., cm-wht, shp

Ls., aa, some cm, soft, chky, scatt Sh., gy

Ls., tn, fnxln, mod hd-hd, ool ip, few pcs w pr introol & ppt por, SSFO, lt bm spotty-sub sat stn, wk odr

Ls., cm, fnxln, mod hd, ool, pr-rare fr intrxn & vug por, FSFO, blk spot stn in por, sub sat ip, fr odr

Sh., blk, carb

Ls., cm-lt gy, vfnxn, mod hd, dns, ool ip, nvp, ns, scatt Sh., gy

Ls., cm-tn, fnxln, mod hd-mod soft, ool, pr-fr introol por, FSFO, lt bm sub sat stn, fr odr, few pcs w pr ooc por, one w VSSFO, vy lt bm sat stn

Ls., aa, few pcs bm, sli fri, ool, chrt, fr introol & vug por, FSFO, bm sat stn, some edge stn on chrt., fr odr

Sh., blk carb

Ls., cm-tn-lt gy, vfnxn, mod hd-hd, ool ip, few pcs w vy pr intrxn por, SSFO, vy lt bm spot stn in por, wk odr, abund pcs Ls., cm, chky, soft, nvp, ns

Sh., gy-bm

Sh., aa, scatt Ls., cm, vfnxn, mod hd-mod soft, chky ip, nvp, ns

Sh., gy-bm-blk, vy soft, Ls., cm-lt gy, vfnxn, mod hd, chky, nvp, ns

**DST #2 3913-4013**  
**(LKC H, I, J)**

30-30-30-30  
 IF: Built to 1 1/2"  
 IS: No blow  
 FF: Built to 3/4"  
 FS: No blow

Recovery:  
 30' OCM (20%O, 90%M)

FP: 26-35; 37-43  
 SIP: 710-569  
 HP: 1975-1906

BHT: 113  
 Gravity: -  
 Chlor: -----

**DST #3 3988-4040**  
**(LKC K)**

Packer Failure, misrun

**DST #4 3913-4040**  
**(LKC H, I, J, K)**

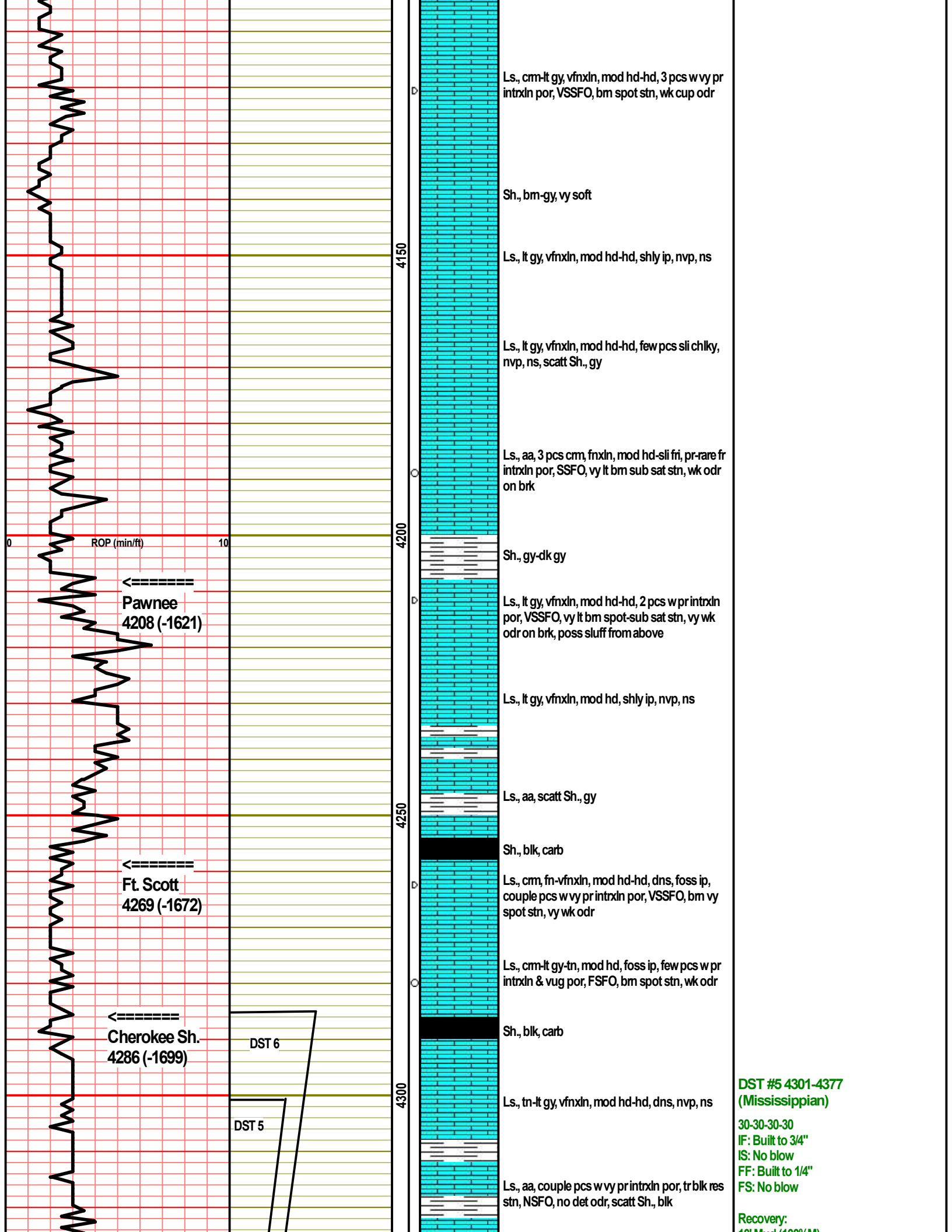
30-30-30-30  
 IF: Built to 1 1/2"  
 IS: No blow  
 FF: Built to 1 1/2"  
 FS: No blow

Recovery:  
 50' OCM (5%O, 95%M)

FP: 31-42; 43-49  
 SIP: 679-604  
 HP: 1975-1917

BHT: 120  
 Gravity: -  
 Chlor: -----





Ls., cm-lt gy, vfnxn, mod hd-hd, 3 pcs w vy pr intrxn por, VSSFO, bm spot stn, wk cup odr

Sh., bm-gy, vy soft

4150

Ls., lt gy, vfnxn, mod hd-hd, shly ip, nvp, ns

Ls., lt gy, vfnxn, mod hd-hd, few pcs sli chlky, nvp, ns, scatt Sh., gy

Ls., aa, 3 pcs cm, fnxn, mod hd-sli fri, pr-rare fr intrxn por, SSFO, vy lt bm sub sat stn, wk odr on brk

4200

ROP (min/ft)

Sh., gy-dk gy

Pawnee  
4208 (-1621)

Ls., lt gy, vfnxn, mod hd-hd, 2 pcs w pr intrxn por, VSSFO, vy lt bm spot-sub sat stn, vy wk odr on brk, poss sluff from above

Ls., lt gy, vfnxn, mod hd, shly ip, nvp, ns

Ls., aa, scatt Sh., gy

4250

Sh., blk, carb

Ft. Scott  
4269 (-1672)

Ls., cm, fn-vfnxn, mod hd-hd, dns, foss ip, couple pcs w vy pr intrxn por, VSSFO, bm vy spot stn, vy wk odr

Ls., cm-lt gy-tn, mod hd, foss ip, few pcs w pr intrxn & vug por, FSFO, bm spot stn, wk odr

Sh., blk, carb

Cherokee Sh.  
4286 (-1699)

DST 6

4300

Ls., tn-lt gy, vfnxn, mod hd-hd, dns, nvp, ns

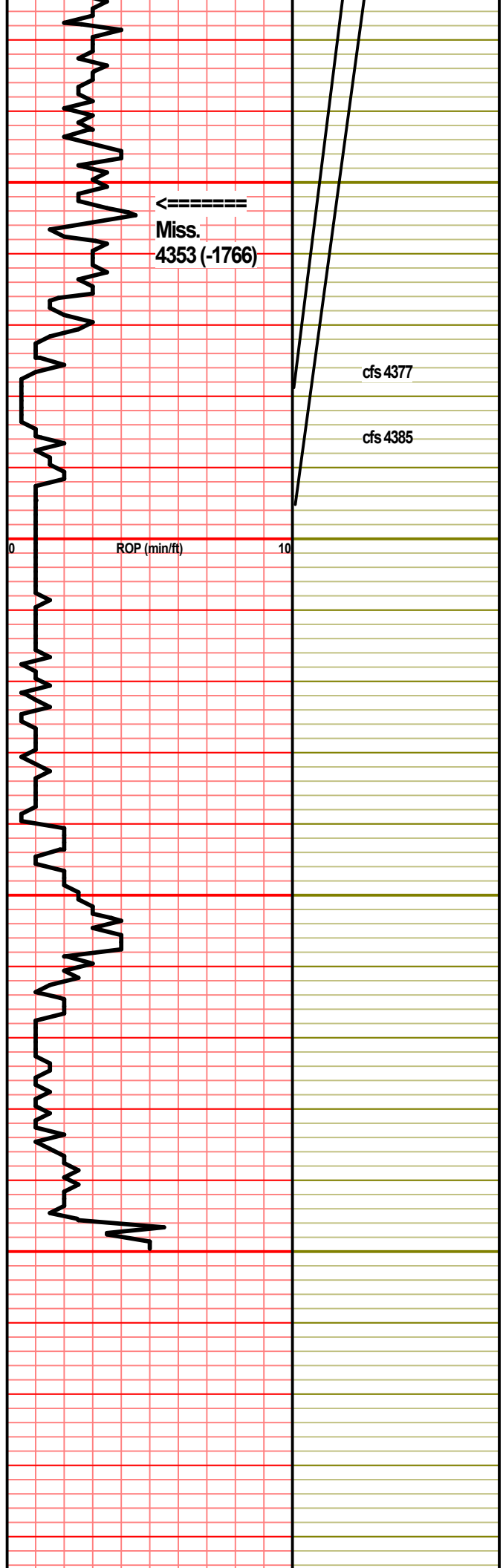
DST 5

Ls., aa, couple pcs w vy pr intrxn por, tr blk res stn, NSFO, no det odr, scatt Sh., blk

DST #5 4301-4377  
(Mississippian)

30-30-30-30  
IF: Built to 3/4"  
IS: No blow  
FF: Built to 1/4"  
FS: No blow

Recovery:  
4286-4300/100



Ls., crm-tn, fnxn, mod hd, shly ip, couple pcs w blk res stn, no det odr, scatt Sh., gy-brn-lt gm

Ls., aa, Chrt, tn-org-frm, weath, Sh., aa, scatt Dol., crm, vfnxn, hd, weath, pr vug & spic por, blk res stn, SSFO, wk odr

4377 cfs 20 min, half Ls., crm, vfnxn, mod hd-hd, dns, nvp, ns, half Dol., crm-tn, fn-vfnxn, mod hd-hd, frm, weath ip, scatt pcs w pr vug & spic por, some pr intrxn por, SSFO, brn spot stn, wk odr, scatt Sh., gy

4377 cfs 40, 60 min. Dol., lt gy-tn, fn-vfnxn, mod hd, tr pyr, pr-fr vug & spic por, occ pr-fr intrxn por, FSFO, blk sub sat stn, SSG on brk, gd odr

4385 cfs Sample quality poor, abund cong sluff, small amt dol., tn-lt gy, fnxn, mod hd-sli fri, sli sucr ip, pr-fr intrxn & vug por, FSFO, vy lt brn spot-sub sat stn, wk odr

Dol., crm-tn, fnxn, mod hd, few pcs w por & shows aa, sli decr shows, abund Dol., crm, vfnxn mod hd, limey, dns, nvp, ns

Dol., crm-lt gy, vfnxn, mod hd, pr-fr intrxn por, ns, no odr, scatt Chrt, clr, weath, ns, abund Sh., gy-brn

Dol., aa, abund Chrt., wht-clr, weath ip, some shp, ns, scatt Sh., gy

Dol & Chrt., aa

Chrt., wht, vitr, frac, pr vis por, ns, no odr, Dol., tn, vfnxn, mod hd, sucr ip, pr ppt & intrxn por, one pc w VSSFO, blk res stn, no det odr

Chrt., aa, Dol., aa, ns

10' Mud (100%MI)

FP: 28-33; 34-38  
SIP: 773-649  
HP: 2282-2305

BHT: 123  
Gravity: -  
Chlor: -

DST #6 4285-4395 (Mississippian)

30-30-30-30  
IF: Built to 2"  
IS: No blow  
FF: Built to 1/2"  
FS: No blow

Recovery: 65' Mud (100%MI)

FP: 89-120; 114-138  
SIP: 1090-1015  
HP: 2376-2392

		50			
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