

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 \_\_\_\_\_ Recompletion Date \_\_\_\_\_

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</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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Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	MICHAELIS-JANSSEN UNIT 1-19
Doc ID	1589683

All Electric Logs Run

Compensated Density/Neutron PE Log
Dual Induction Log
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	MICHAELIS-JANSSEN UNIT 1-19
Doc ID	1589683

Tops

Name	Top	Datum
Anhydrite	2234	734
B/Anhydrite	2294	674
Heebner	3881	-913
Lansing	3929	-961
Muncie Creek	4104	-1133
Stark Sh	4196	-1228
Hushpuckney	4235	-1267
Pleasanton	4286	-1318
Marmaton	4315	-1347
Pawnee	4406	-1438
Cherokee Sh	4448	-1480
Johnson	4507	-1539
Morrow Sh	4541	-1573
Miss-St. Louis	4548	-1580





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W. Scott,KS**  
**MichaelisJanssen1-19**  
Job Ticket: 67662 **DST#: 1**  
Test Start: 2021.08.19 @ 14:00:00

## GENERAL INFORMATION:

Formation: **LKC " D "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:47:00  
Time Test Ended: 23:00:00  
Interval: **4002.00 ft (KB) To 4018.00 ft (KB) (TVD)**  
Total Depth: 4018.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 2968.00 ft (KB)  
2963.00 ft (CF)  
KB to GR/CF: 5.00 ft

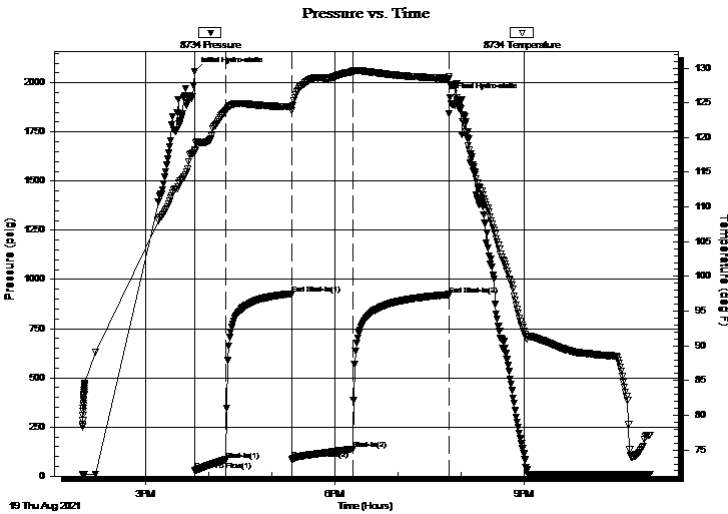
## Serial #: 8734

**Outside**

Press@RunDepth: 136.49 psig @ 4003.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.19 End Date: 2021.08.19 Last Calib.: 2021.08.19  
Start Time: 14:00:01 End Time: 23:00:00 Time On Btm: 2021.08.19 @ 15:46:30  
Time Off Btm: 2021.08.19 @ 19:50:09

TEST COMMENT: 30-IF-S.blow built to 6"  
60-ISI-Return s.blow @ 6 mins dead @ 20 mins  
60-FF-S.blow built to 7 1/4"  
90-FSI-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2058.56	118.16	Initial Hydro-static
1	27.66	118.04	Open To Flow (1)
30	82.99	123.80	Shut-In(1)
93	927.74	124.45	End Shut-In(1)
93	84.89	123.92	Open To Flow (2)
151	136.49	129.45	Shut-In(2)
243	923.04	128.51	End Shut-In(2)
244	1924.82	127.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOMCW 4%O,10%M,86W	0.59
80.00	OCMW 8%O, 43%M, 48%W	0.59
60.00	CGO 10%G, 90%O	0.84
0.00	100' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W. Scott,KS**

**MichaelisJanssen1-19**

Job Ticket: 67662      **DST#: 1**  
Test Start: 2021.08.19 @ 14:00:00

## GENERAL INFORMATION:

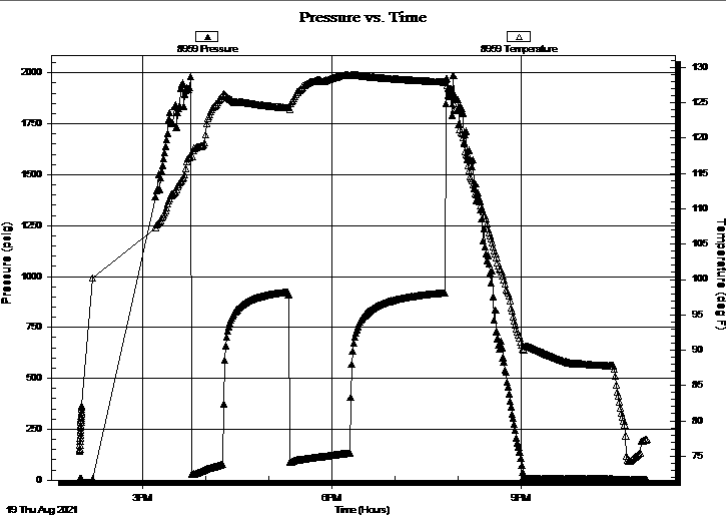
Formation: **LKC "D"**  
Deviated: No    Whipstock:                    ft (KB)                    Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 15:47:00                    Tester: Martine Salinas  
Time Test Ended: 23:00:00                    Unit No: 82  
  
**Interval: 4002.00 ft (KB) To 4018.00 ft (KB) (TVD)**                    Reference Elevations: 2968.00 ft (KB)  
Total Depth: 4018.00 ft (KB) (TVD)                    2963.00 ft (CF)  
Hole Diameter: 7.88 inches    Hole Condition: Good                    KB to GR/CF: 5.00 ft

## Serial #: 8959

Inside

Press@RunDepth:	psig @	4003.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2021.08.19	End Date:	2021.08.19	Last Calib.:	2021.08.19
Start Time:	14:00:01	End Time:	23:00:00	Time On Btm:	
				Time Off Btm:	

**TEST COMMENT:** 30-IF-S.blow built to 6"  
60-ISI-Return s.blow @ 6 mins dead @ 20 mins  
60-FF-S.blow built to 7 1/4"  
90-FSI-No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOMCW 4%O, 10%M, 86W	0.59
80.00	OCMW 8%O, 43%M, 48%W	0.59
60.00	CGO 10%G, 90%O	0.84
0.00	100' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**19-18S.-31W. Scott,KS**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**MichaelisJanssen1-19**

Job Ticket: 67662

**DST#: 1**

Test Start: 2021.08.19 @ 14:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	SOMCW 4%O, 10%M, 86W	0.590
80.00	OCMW 8%O, 43%M, 48%W	0.594
60.00	CGO 10%G, 90%O	0.842
0.00	100' GIP	0.000

Total Length: 260.00 ft      Total Volume: 2.026 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

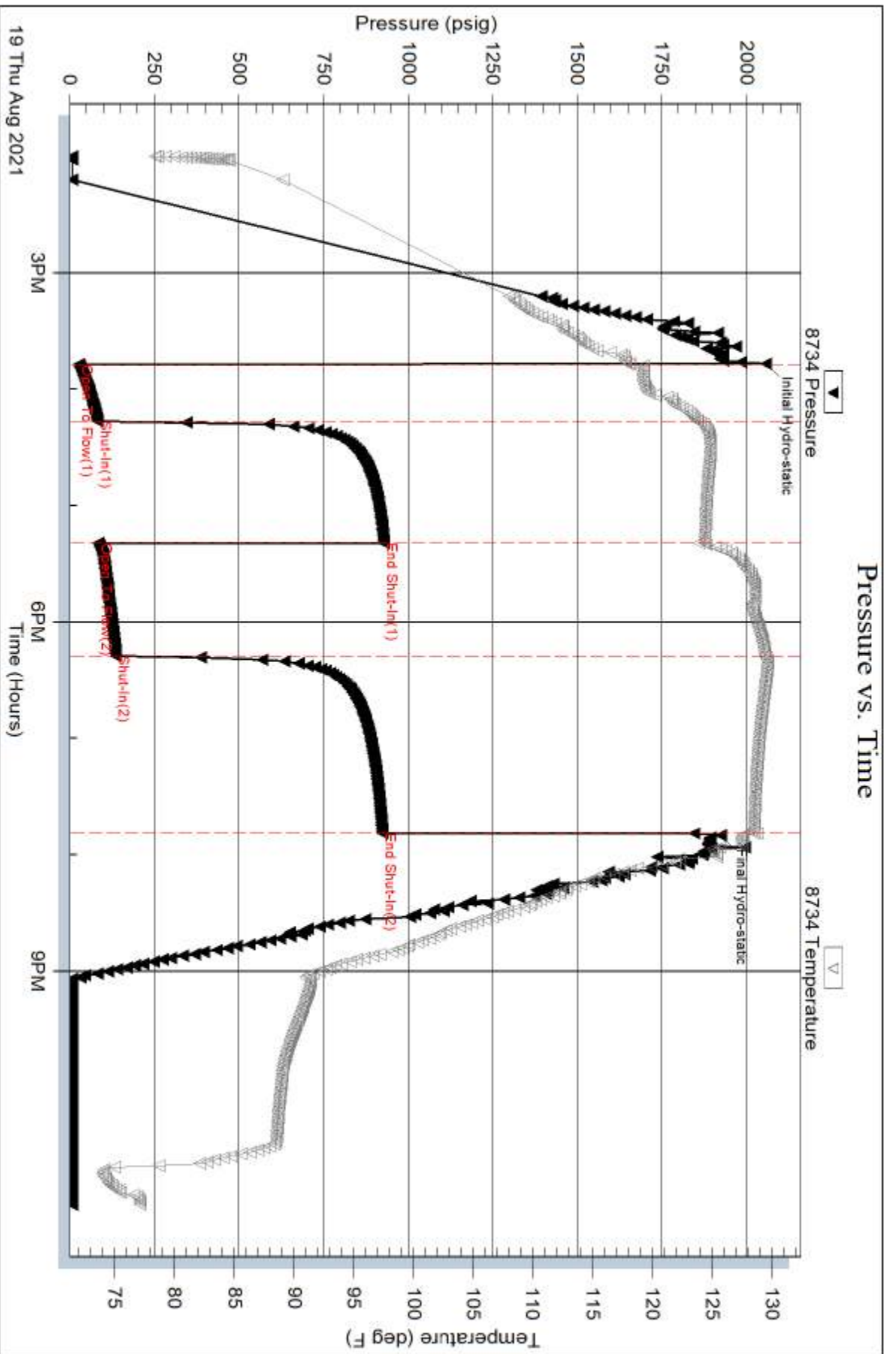
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 26.8 @ 78 degs corrected to 25.0 @ 60 degs  
RW= .301 @ 75.5 degs = 22,000PPM





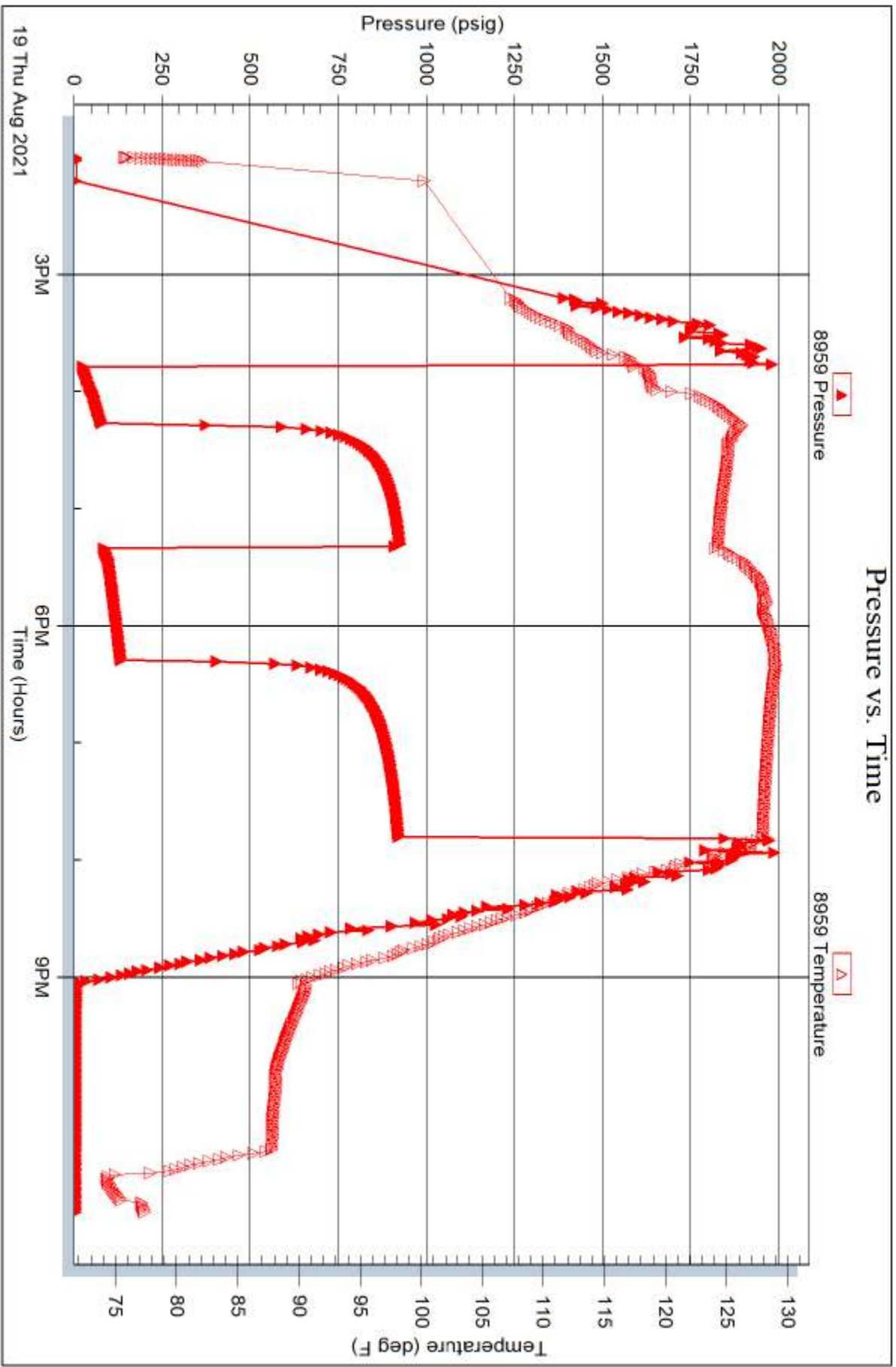
Serial #: 8959

Inside

Stebar Oil Corp

MichaelsJanssen 1-19

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67662

Printed: 2021.08.20 @ 07:08:02



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

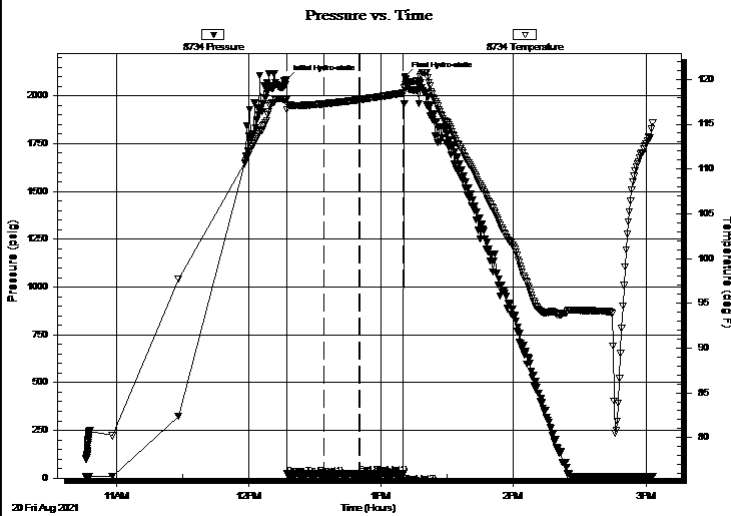
**19-18S.-31W. Scott,KS**  
**MichaelisJanssen1-19**  
Job Ticket: 67663 **DST#: 2**  
Test Start: 2021.08.20 @ 10:46:00

## GENERAL INFORMATION:

Formation: **LKC " J "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:17:10  
Time Test Ended: 15:03:00  
Interval: **4170.00 ft (KB) To 4188.00 ft (KB) (TVD)**  
Total Depth: 4222.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Straddle (Reset)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 2968.00 ft (KB)  
2963.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
Press@RunDepth: 22.16 psig @ 4170.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.20 End Date: 2021.08.20 Last Calib.: 2021.08.20  
Start Time: 10:46:01 End Time: 15:03:00 Time On Btm: 2021.08.20 @ 12:17:00  
Time Off Btm: 2021.08.20 @ 13:10:50

**TEST COMMENT:** 15-IF-Weak surface blow dead @ 7 mins  
15-ISI-No return  
15-FF-No blow , Pull tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2084.78	117.78	Initial Hydro-static
1	21.76	116.60	Open To Flow (1)
17	22.16	117.27	Shut-In(1)
33	22.80	117.74	End Shut-In(1)
34	22.27	117.74	Open To Flow (2)
53	22.61	118.48	Shut-In(2)
54	2101.44	119.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Mud w /Oi spots	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 STE 200  
 Wichita, KS 67206  
 ATTN: Dave Goldak

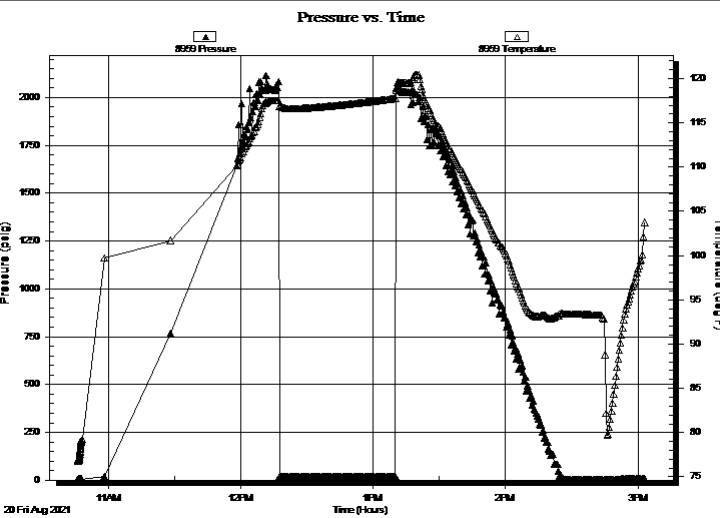
**19-18S.-31W. Scott,KS**  
**MichaelisJanssen1-19**  
 Job Ticket: 67663 **DST#: 2**  
 Test Start: 2021.08.20 @ 10:46:00

## GENERAL INFORMATION:

Formation: **LKC "J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:17:10  
 Time Test Ended: 15:03:00  
**Interval: 4170.00 ft (KB) To 4188.00 ft (KB) (TVD)**  
 Total Depth: 4222.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Straddle (Reset)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 2968.00 ft (KB)  
 2963.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8959 Inside**  
 Press@RunDepth: psig @ 4170.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.08.20 End Date: 2021.08.20 Last Calib.: 2021.08.20  
 Start Time: 10:46:01 End Time: 15:03:00 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 15-IF-Weak surface blow dead @ 7 mins  
 15-ISI-No return  
 15-FF-No blow , Pull tool



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

Recovery		
Length (ft)	Description	Volume (bbl)
1.00	100% Mud w /Oi spots	0.00

\* Recovery from multiple tests

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

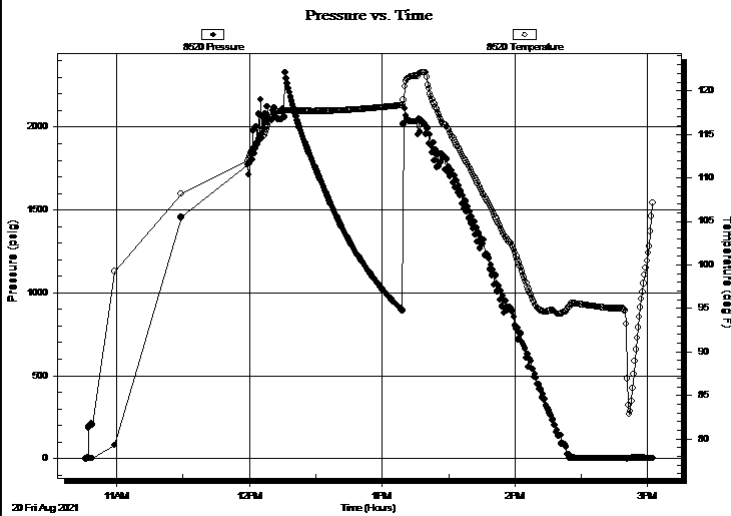
**19-18S.-31W. Scott,KS**  
**MichaelisJanssen1-19**  
Job Ticket: 67663 **DST#: 2**  
Test Start: 2021.08.20 @ 10:46:00

## GENERAL INFORMATION:

Formation: **LKC " J "**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 12:17:10 Tester: Martine Salinas  
 Time Test Ended: 15:03:00 Unit No: 82  
**Interval: 4170.00 ft (KB) To 4188.00 ft (KB) (TVD)** Reference Elevations: 2968.00 ft (KB)  
 Total Depth: 4222.00 ft (KB) (TVD) 2963.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8520 Below (Straddle)**  
 Press@RunDepth: psig @ 4188.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.08.20 End Date: 2021.08.20 Last Calib.: 2021.08.20  
 Start Time: 10:46:01 End Time: 15:02:20 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 15-IF-Weak surface blow dead @ 7 mins  
 15-ISI-No return  
 15-FF-No blow , Pull tool



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Mud w /Oi spots	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Stelbar Oil Corp

**19-18S.-31W. Scott,KS**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**MichaelisJanssen1-19**

Job Ticket: 67663

**DST#: 2**

Test Start: 2021.08.20 @ 10:46:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 55.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Mud w/Oi spots	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

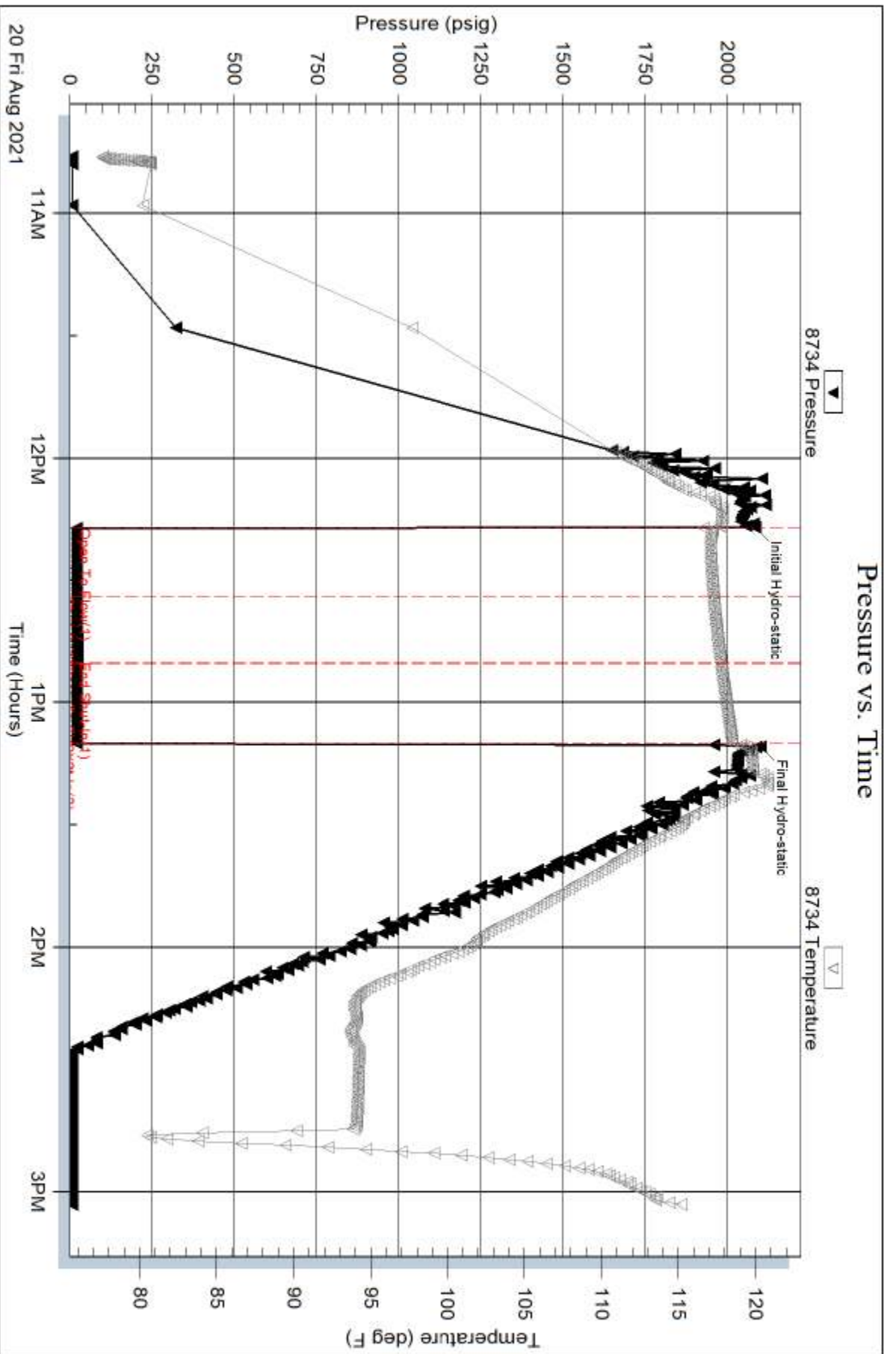
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



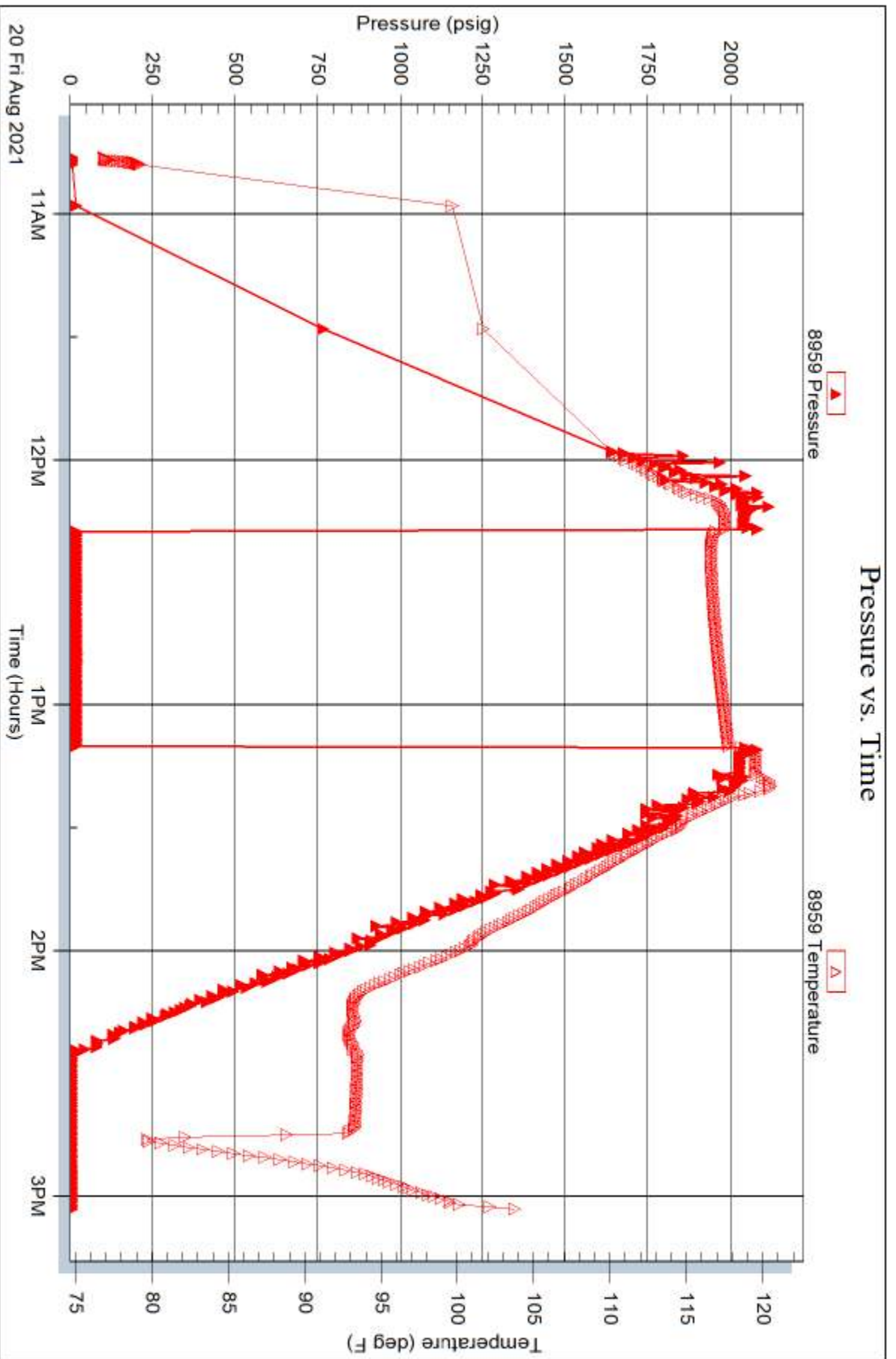
Serial #: 8959

Inside

Stebar Oil Corp

MichaelsJanssen 1-19

DST Test Number: 2

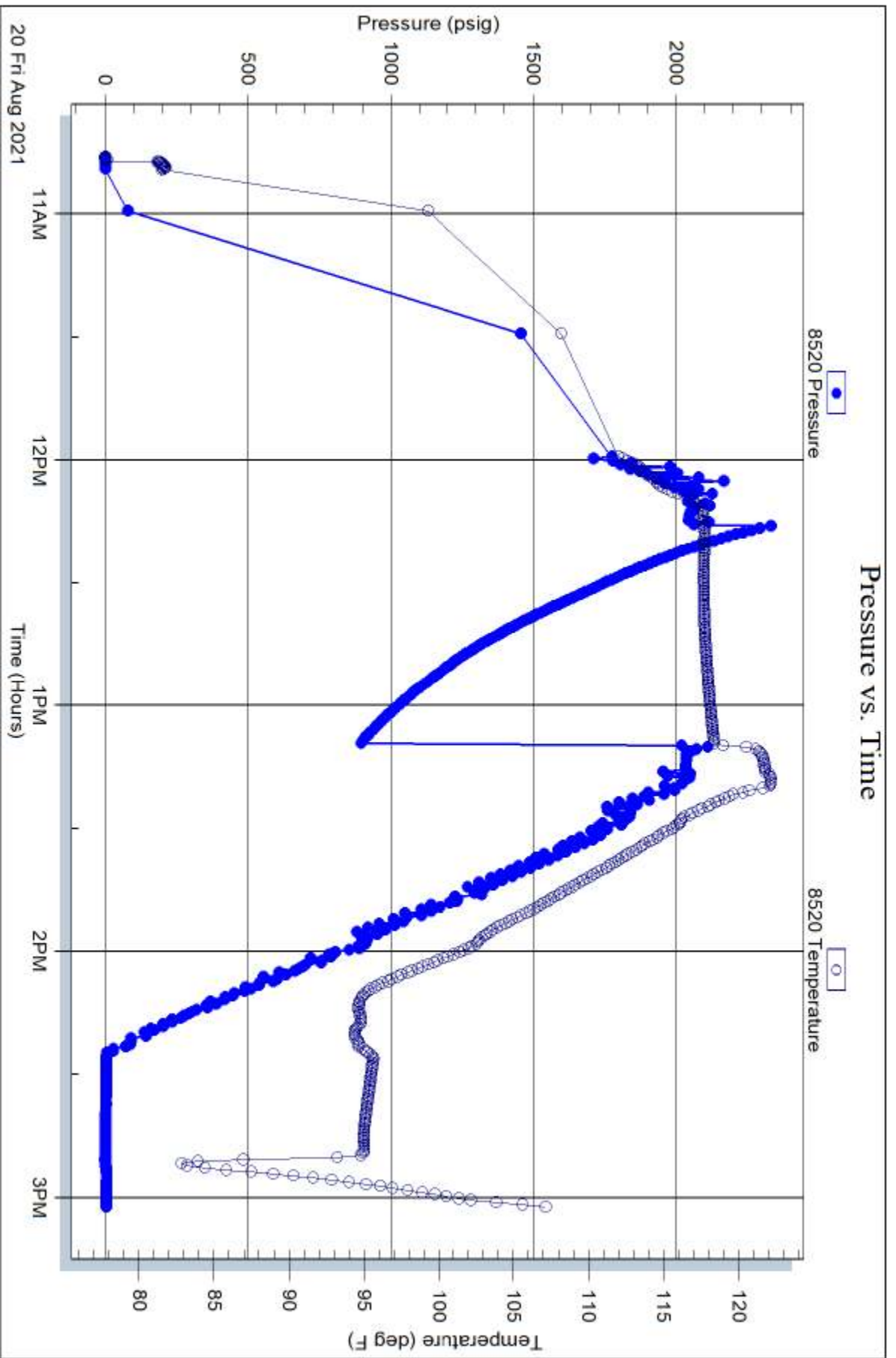


Trilobite Testing, Inc

Ref. No: 67663

Printed: 2021.08.20 @ 16:14:49







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 STE 200  
 Wichita, KS 67206  
 ATTN: Dave Goldak

**19-18S.-31W. Scott,KS**  
**MichaelisJanssen1-19**  
 Job Ticket: 67664 **DST#: 3**  
 Test Start: 2021.08.20 @ 23:53:00

## GENERAL INFORMATION:

Formation: **Pleasanton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:48:30  
 Time Test Ended: 08:41:49  
 Interval: **4282.00 ft (KB) To 4296.00 ft (KB) (TVD)**  
 Total Depth: 4296.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 2968.00 ft (KB)  
 2963.00 ft (CF)  
 KB to GR/CF: 5.00 ft

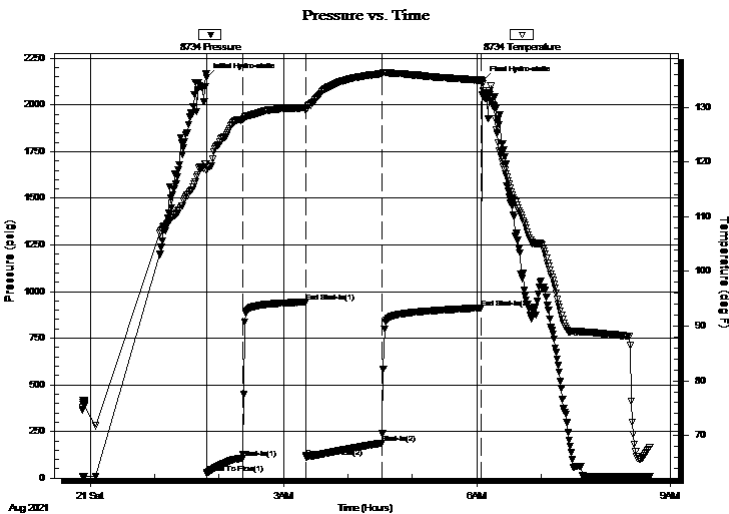
## Serial #: 8734

**Outside**

Press@RunDepth: 186.99 psig @ 4283.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.08.20 End Date: 2021.08.21 Last Calib.: 2021.08.21  
 Start Time: 23:53:01 End Time: 08:41:49 Time On Btm: 2021.08.21 @ 01:48:20  
 Time Off Btm: 2021.08.21 @ 06:05:30

**TEST COMMENT:** 30-IF-S.blow built to 10 1/2"  
 60-ISI-Return blow built to 1 1/2" & reduced to 1/2"  
 60-FF-S.blow built to B.O.B (11 inches) @ 34 mins (blow increased to 18")  
 90-FSI-Return blow built to 1 1/4" & reduced to 1/4"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.96	119.60	Initial Hydro-static
1	23.93	118.43	Open To Flow (1)
34	107.82	127.74	Shut-In(1)
93	943.86	129.93	End Shut-In(1)
93	113.86	129.63	Open To Flow (2)
164	186.99	136.17	Shut-In(2)
256	911.38	134.96	End Shut-In(2)
258	2131.08	134.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSMW 4%O, 5%M, 91%W	0.30
180.00	GSOMW 8%G, 10%O, 32%M, 50%W	1.45
140.00	CGO 32%G, 68%O	1.96
0.00	160' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

Stelbar Oil Corp

19-18S.-31W. Scott,KS

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

MichaelisJanssen1-19

Job Ticket: 67664      **DST#: 3**  
Test Start: 2021.08.20 @ 23:53:00

## GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock:                    ft (KB)

Time Tool Opened: 01:48:30

Time Test Ended: 08:41:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4282.00 ft (KB) To 4296.00 ft (KB) (TVD)**

Total Depth: 4296.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2968.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8959**      **Inside**

Press@RunDepth:                    psig @     4283.00 ft (KB)

Start Date: 2021.08.20

End Date: 2021.08.21

Start Time: 23:53:01

End Time: 08:41:49

Capacity: 8000.00 psig

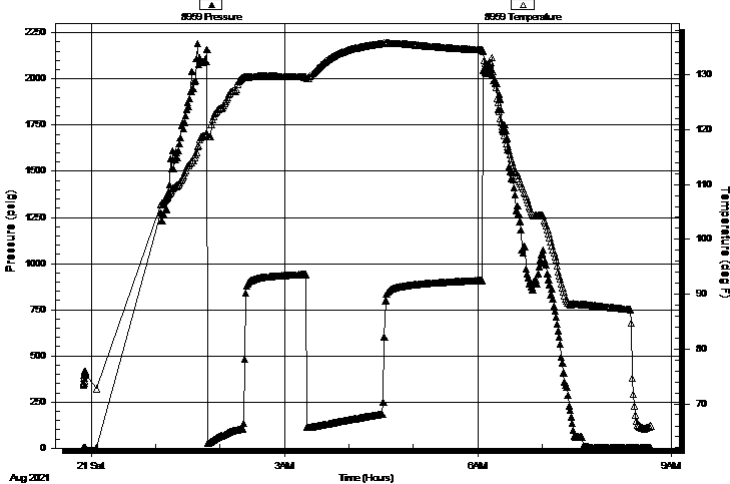
Last Calib.: 2021.08.21

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-S.blow built to 10 1/2"  
60-ISI-Return blow built to 1 1/2" & reduced to 1/2"  
60-FF-S.blow built to B.O.B (11 inches) @ 34 mins (blow increased to 18")  
90-FSI-Return blow built to 1 1/4" & reduced to 1/4"

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSMW 4%O, 5%M, 91%W	0.30
180.00	GSOMW 8%G, 10%O, 32%M, 50%W	1.45
140.00	CGO 32%G, 68%O	1.96
0.00	160' 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**

Stelbar Oil Corp

**19-18S.-31W. Scott,KS**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**MichaelisJanssen1-19**

Job Ticket: 67664

**DST#: 3**

Test Start: 2021.08.20 @ 23:53:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSMW 4%O, 5%M, 91%W	0.295
180.00	GSOMW 8%G, 10%O, 32%M, 50%W	1.450
140.00	CGO 32%G, 68%O	1.964
0.00	160' GIP	0.000

Total Length: 380.00 ft      Total Volume: 3.709 bbl

Num Fluid Samples: 0

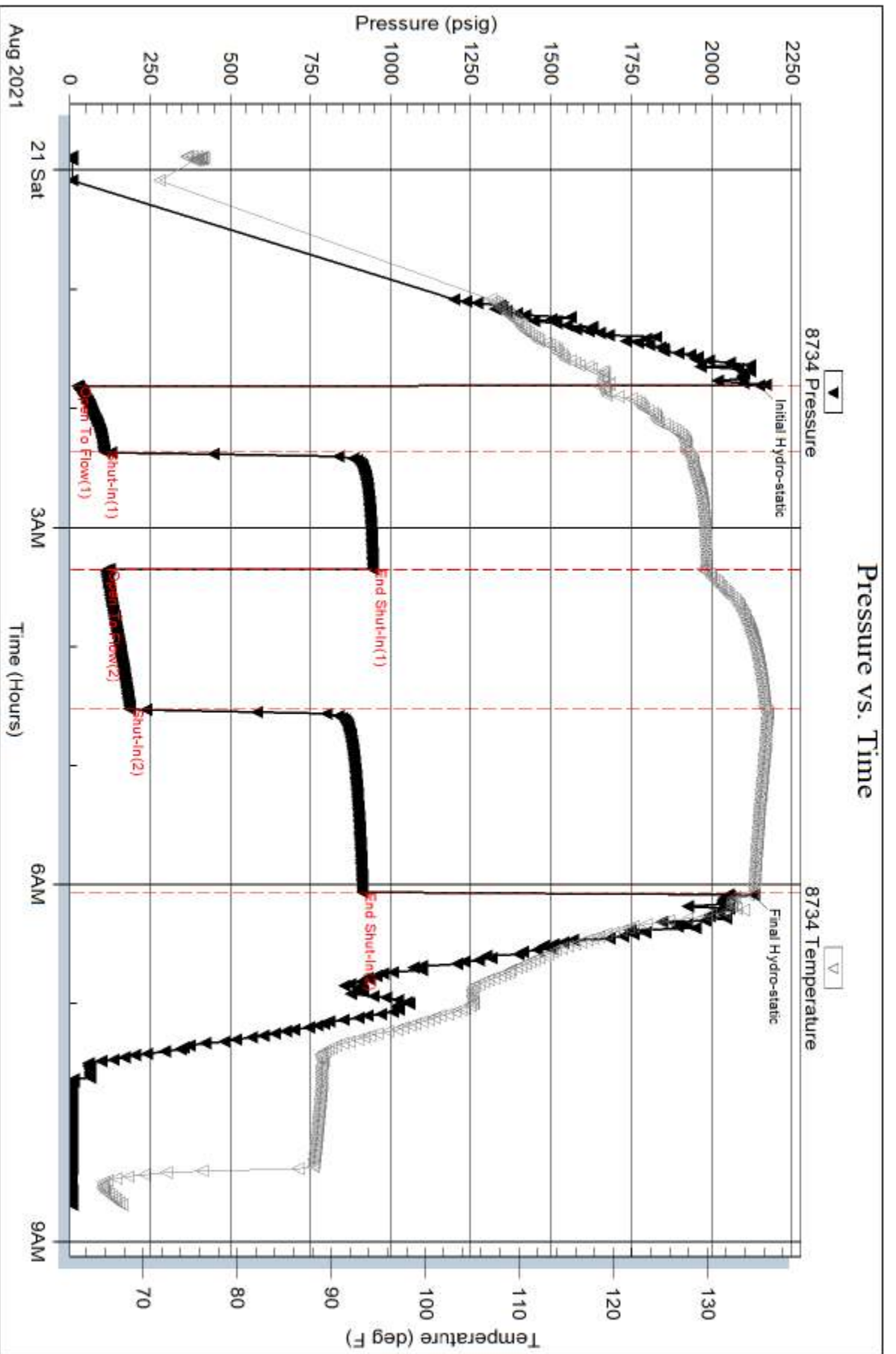
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil =29.4 @ 66 degs corrected to 28.8 @ 60 degs  
RW = .260 @ 65.5 degs = 30,000 PPM



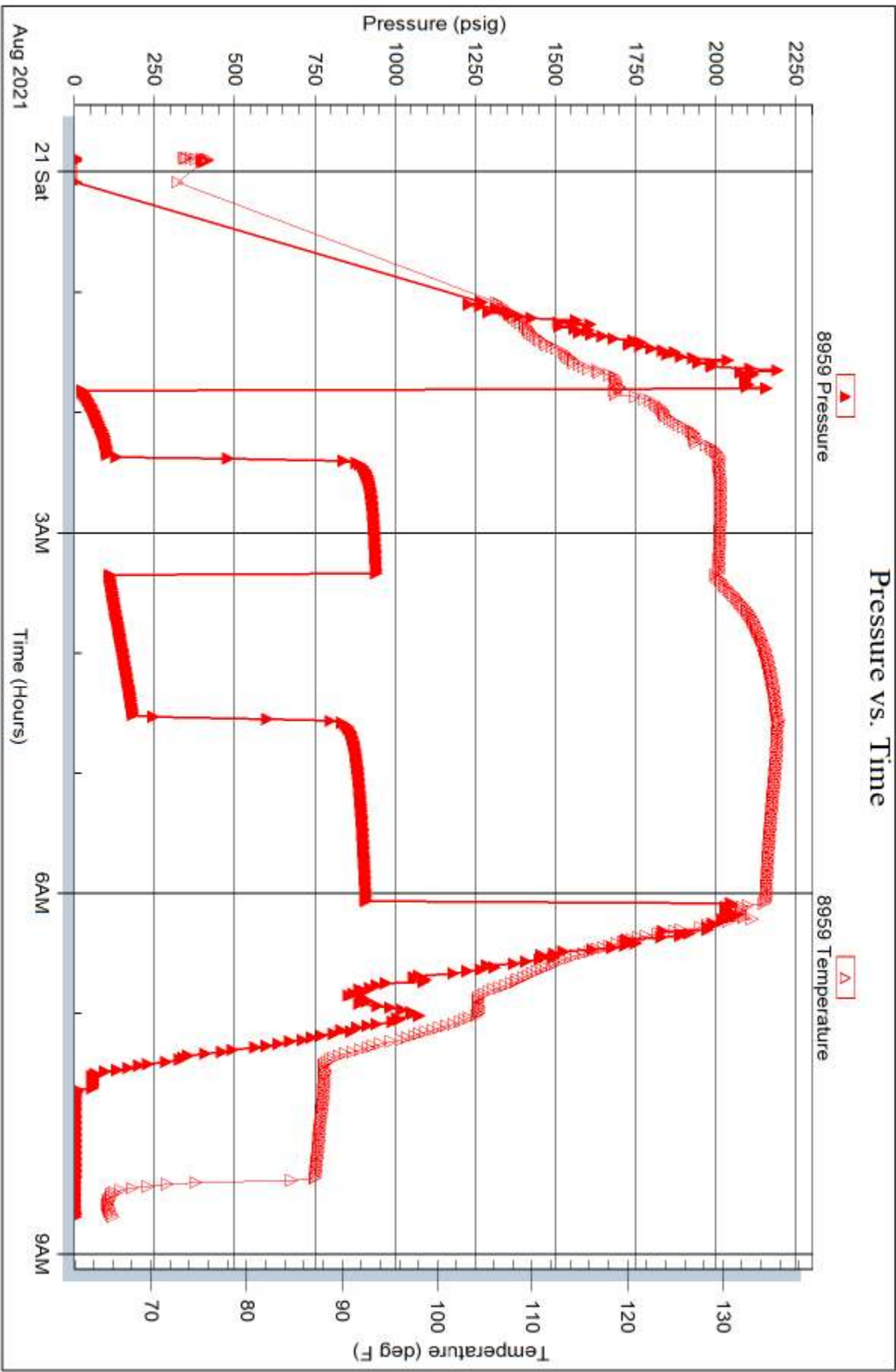
Serial #: 8959

Inside

Stebar Oil Corp

Michaels/Janssen 1-19

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 67664

Printed: 2021.08.21 @ 14:01:54



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

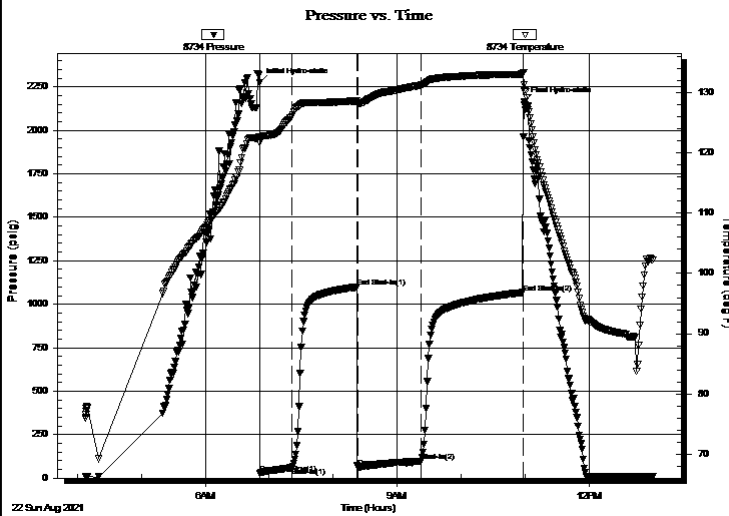
**19-18S.-31W. Scott,KS**  
**MichaelisJanssen1-19**  
Job Ticket: 67665 **DST#: 4**  
Test Start: 2021.08.22 @ 04:08:00

## GENERAL INFORMATION:

Formation: **Basal Johnson**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:51:10  
Time Test Ended: 12:59:40  
Interval: **4522.00 ft (KB) To 4540.00 ft (KB) (TVD)**  
Total Depth: 4540.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 2968.00 ft (KB)  
2963.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
Press@RunDepth: 95.84 psig @ 4523.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.22 End Date: 2021.08.22 Last Calib.: 2021.08.22  
Start Time: 04:08:01 End Time: 12:59:40 Time On Btm: 2021.08.22 @ 06:51:00  
Time Off Btm: 2021.08.22 @ 10:58:39

**TEST COMMENT:** 30-IF-S.blow built to 5"  
60-ISI-Weak surface bubbles @ 11 mins dead @ 47 mins  
60-FF-S.blow built to B.O.B(11 inches) @ 60 mins  
60-FSI-Return blow built to 1 1/2" & reduced to s.blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.38	122.54	Initial Hydro-static
1	28.53	121.64	Open To Flow (1)
31	60.18	126.05	Shut-In(1)
91	1098.21	128.65	End Shut-In(1)
92	62.22	128.26	Open To Flow (2)
151	95.84	131.25	Shut-In(2)
247	1067.49	133.05	End Shut-In(2)
248	2164.11	131.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 25%G, 15%O, 60%M	0.30
130.00	CGO 35%G, 65%O	0.75
0.00	300' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W. Scott,KS**

**MichaelisJanssen1-19**

Job Ticket: 67665 **DST#: 4**  
Test Start: 2021.08.22 @ 04:08:00

### GENERAL INFORMATION:

Formation: **Basal Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:51:10

Time Test Ended: 12:59:40

Interval: **4522.00 ft (KB) To 4540.00 ft (KB) (TVD)**

Total Depth: 4540.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Reference Elevations: 2968.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8959** Inside

Press@RunDepth: psig @ 4523.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.08.22 End Date: 2021.08.22

Last Calib.: 2021.08.22

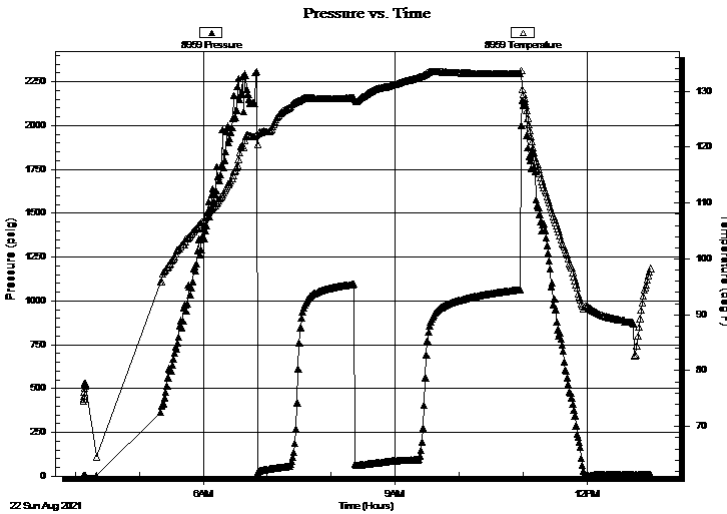
Start Time: 04:08:01 End Time: 12:59:40

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-S.blow built to 5"  
60-ISI-Weak surface bubbles @ 11 mins dead @ 47 mins  
60-FF-S.blow built to B.O.B(11 inches) @ 60 mins  
60-FSI-Return blow built to 1 1/2" & reduced to s.blow

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 25%G, 15%O, 60%M	0.30
130.00	CGO 35%G, 65%O	0.75
0.00	300' GIP	0.00

\* Recovery from multiple tests

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**19-18S.-31W. Scott,KS**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**MichaelisJanssen1-19**

Job Ticket: 67665

**DST#: 4**

Test Start: 2021.08.22 @ 04:08:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 65.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 27 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

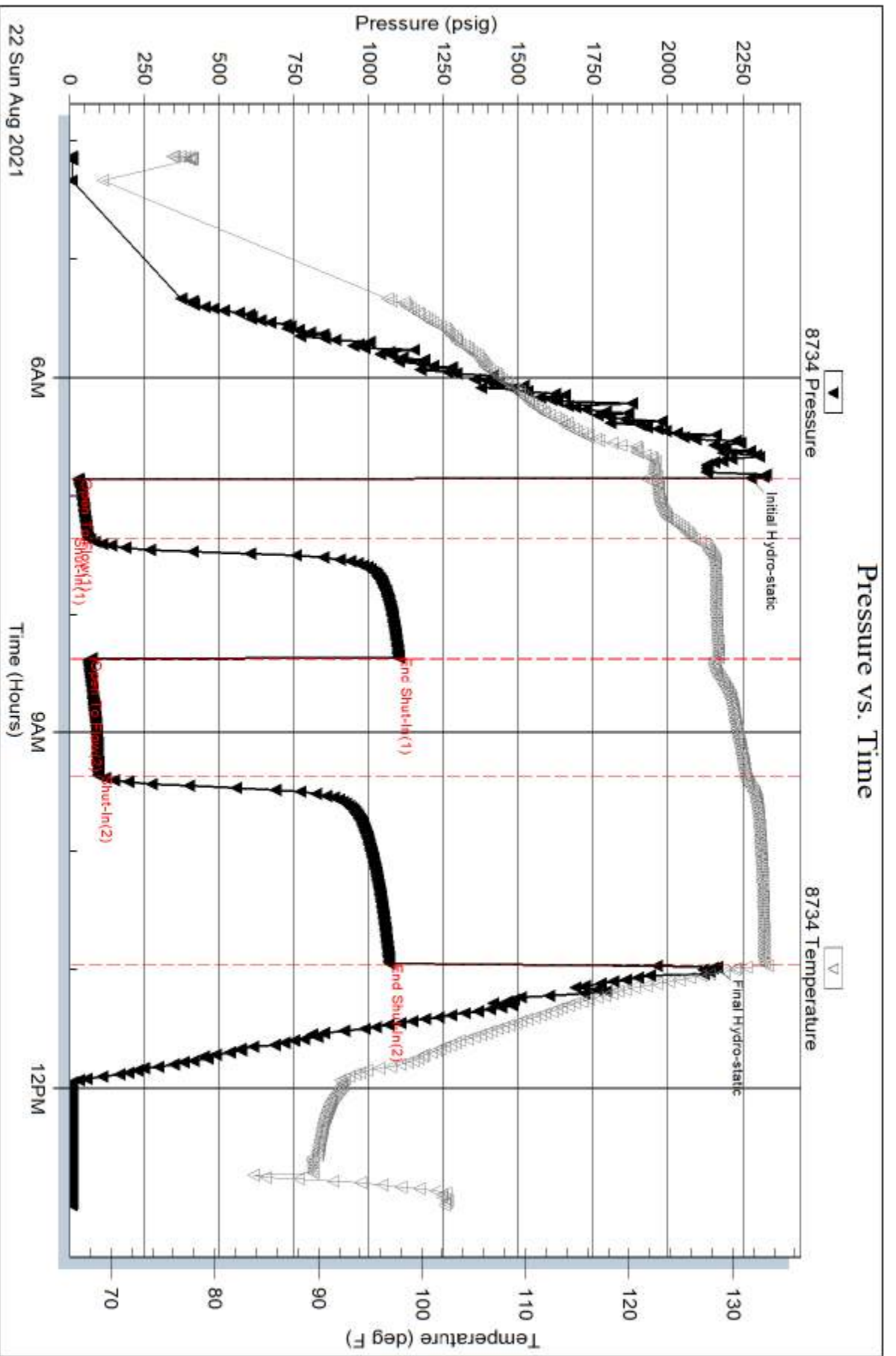
Length ft	Description	Volume bbl
60.00	GOCM 25%G, 15%O, 60%M	0.295
130.00	CGO 35%G, 65%O	0.749
0.00	300' GIP	0.000

Total Length: 190.00 ft      Total Volume: 1.044 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity of oil = 30.4 @ 94 degs corrected to 27.0 @ 60 degs



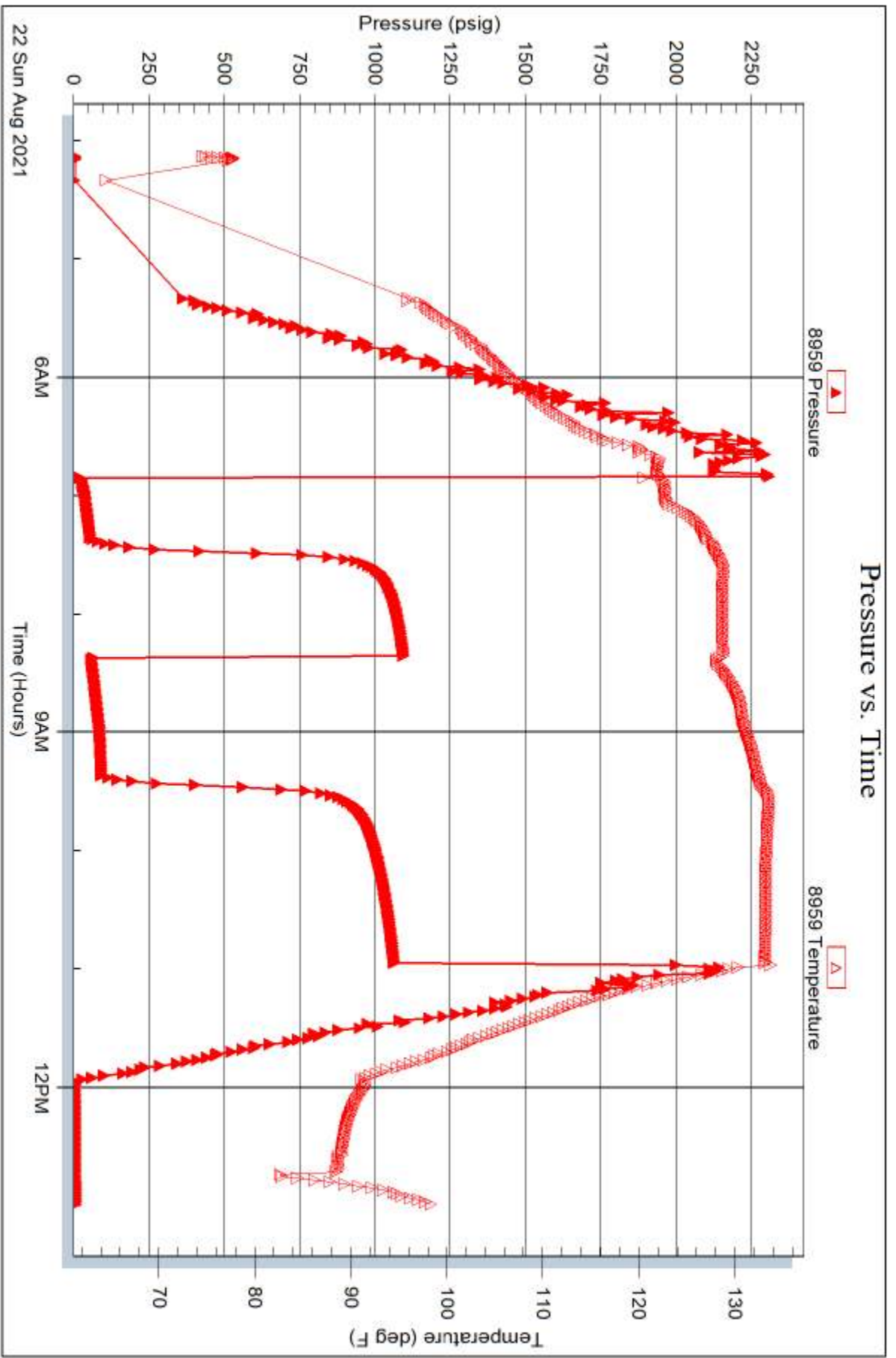
Serial #: 8959

Inside

Stebar Oil Corp

MichaelsJanssen 1-19

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67665

Printed: 2021.08.22 @ 15:12:32



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206

ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

**Michaelis Janssen #1-19**

Start Date: 2021.08.19 @ 14:00:00

End Date: 2021.08.19 @ 23:00:00

Job Ticket #: 67662                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.08.25 @ 11:28:15

Stelbar Oil Corp  
Michaelis Janssen #1-19  
19-18S.-31W Scott,KS  
DST # 1  
LKC " D "  
2021.08.19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
Job Ticket: 67662 **DST#: 1**  
Test Start: 2021.08.19 @ 14:00:00

## GENERAL INFORMATION:

Formation: **LKC " D "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:47:00  
Time Test Ended: 23:00:00  
Interval: **4002.00 ft (KB) To 4018.00 ft (KB) (TVD)**  
Total Depth: 4018.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 2968.00 ft (KB)  
2963.00 ft (CF)  
KB to GR/CF: 5.00 ft

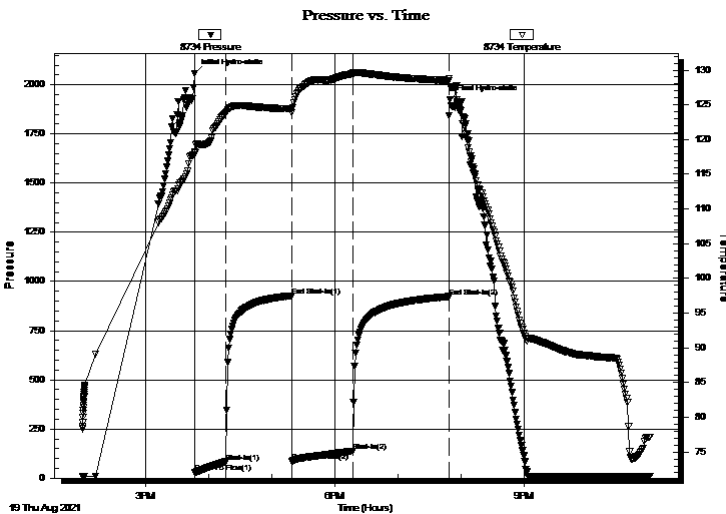
## Serial #: 8734

**Outside**

Press@RunDepth: 136.49 psig @ 4003.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.19 End Date: 2021.08.19 Last Calib.: 2021.08.19  
Start Time: 14:00:01 End Time: 23:00:00 Time On Btm: 2021.08.19 @ 15:46:30  
Time Off Btm: 2021.08.19 @ 19:50:09

TEST COMMENT: 30-IF-S.blow built to 6"  
60-ISI-Return s.blow @ 6 mins dead @ 20 mins  
60-FF-S.blow built to 7 1/4"  
90-FSI-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2058.56	118.16	Initial Hydro-static
1	27.66	118.04	Open To Flow (1)
30	82.99	123.80	Shut-In(1)
93	927.74	124.45	End Shut-In(1)
93	84.89	123.92	Open To Flow (2)
151	136.49	129.45	Shut-In(2)
243	923.04	128.51	End Shut-In(2)
244	1924.82	127.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOMCW 4%O,10%M,86W	0.59
80.00	OCMW 8%O, 43%M, 48%W	0.59
60.00	CGO 10%G, 90%O	0.84
0.00	100' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

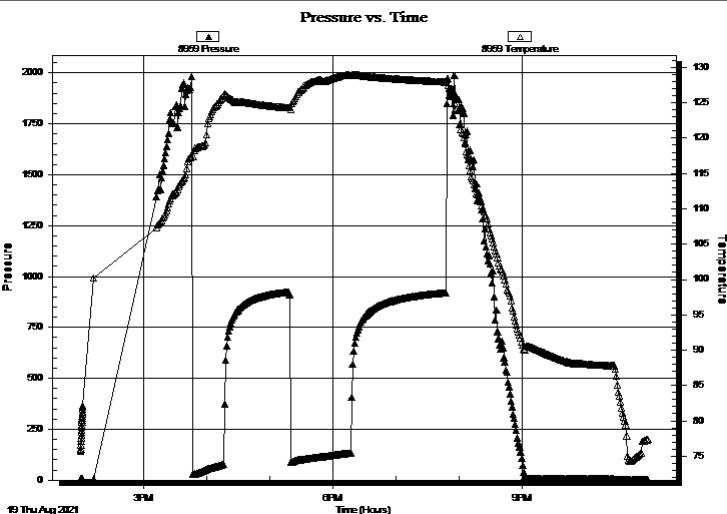
**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
Job Ticket: 67662 **DST#: 1**  
Test Start: 2021.08.19 @ 14:00:00

## GENERAL INFORMATION:

Formation: **LKC " D "**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 15:47:00 Tester: Martine Salinas  
Time Test Ended: 23:00:00 Unit No: 82  
**Interval: 4002.00 ft (KB) To 4018.00 ft (KB) (TVD)** Reference Elevations: 2968.00 ft (KB)  
Total Depth: 4018.00 ft (KB) (TVD) 2963.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8959** **Inside**  
Press@RunDepth: psig @ 4003.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.19 End Date: 2021.08.19 Last Calib.: 2021.08.19  
Start Time: 14:00:01 End Time: 23:00:00 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** 30-IF-S.blow built to 6"  
60-ISI-Return s.blow @ 6 mins dead @ 20 mins  
60-FF-S.blow built to 7 1/4"  
90-FSI-No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOMCW 4%O,10%M,86W	0.59
80.00	OCMW 8%O, 43%M, 48%W	0.59
60.00	CGO 10%G, 90%O	0.84
0.00	100' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67662 **DST#: 1**

Test Start: 2021.08.19 @ 14:00:00

## Tool Information

Drill Pipe:	Length: 3808.00 ft	Diameter: 3.80 inches	Volume: 53.42 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4002.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3973.00	
Shut In Tool	5.00			3978.00	
Sampler	2.00			3980.00	
Hydraulic tool	5.00	1113		3985.00	
Jars	5.00	01-07		3990.00	
Safety Joint	3.00	-001		3993.00	
Packer	5.00			3998.00	30.00 Bottom Of Top Packer
Packer	4.00			4002.00	
Stubb	1.00			4003.00	
Recorder	0.00	8959	Inside	4003.00	
Recorder	0.00	8734	Outside	4003.00	
Perforations	10.00			4013.00	
Bullnose	5.00			4018.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 46.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67662

**DST#: 1**

Test Start: 2021.08.19 @ 14:00:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 7.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 25 deg API  
Water Salinity: 22000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SOMCW 4%O, 10%M, 86W	0.590
80.00	OCMW 8%O, 43%M, 48%W	0.594
60.00	CGO 10%G, 90%O	0.842
0.00	100' GIP	0.000

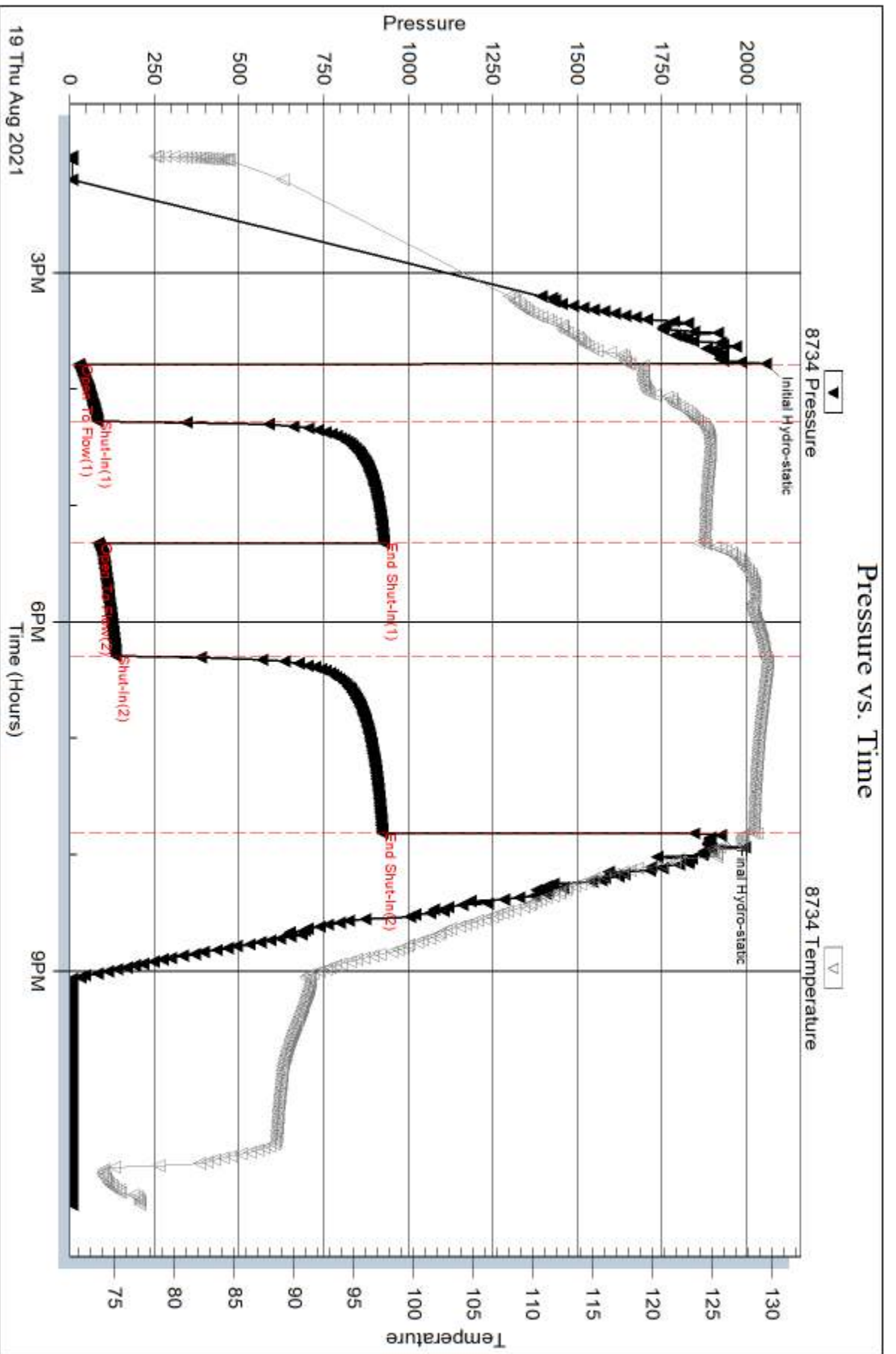
Total Length: 260.00 ft      Total Volume: 2.026 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity of oil = 26.8 @ 78 degs corrected to 25.0 @ 60 degs  
RW= .301 @ 75.5 degs = 22,000PPM





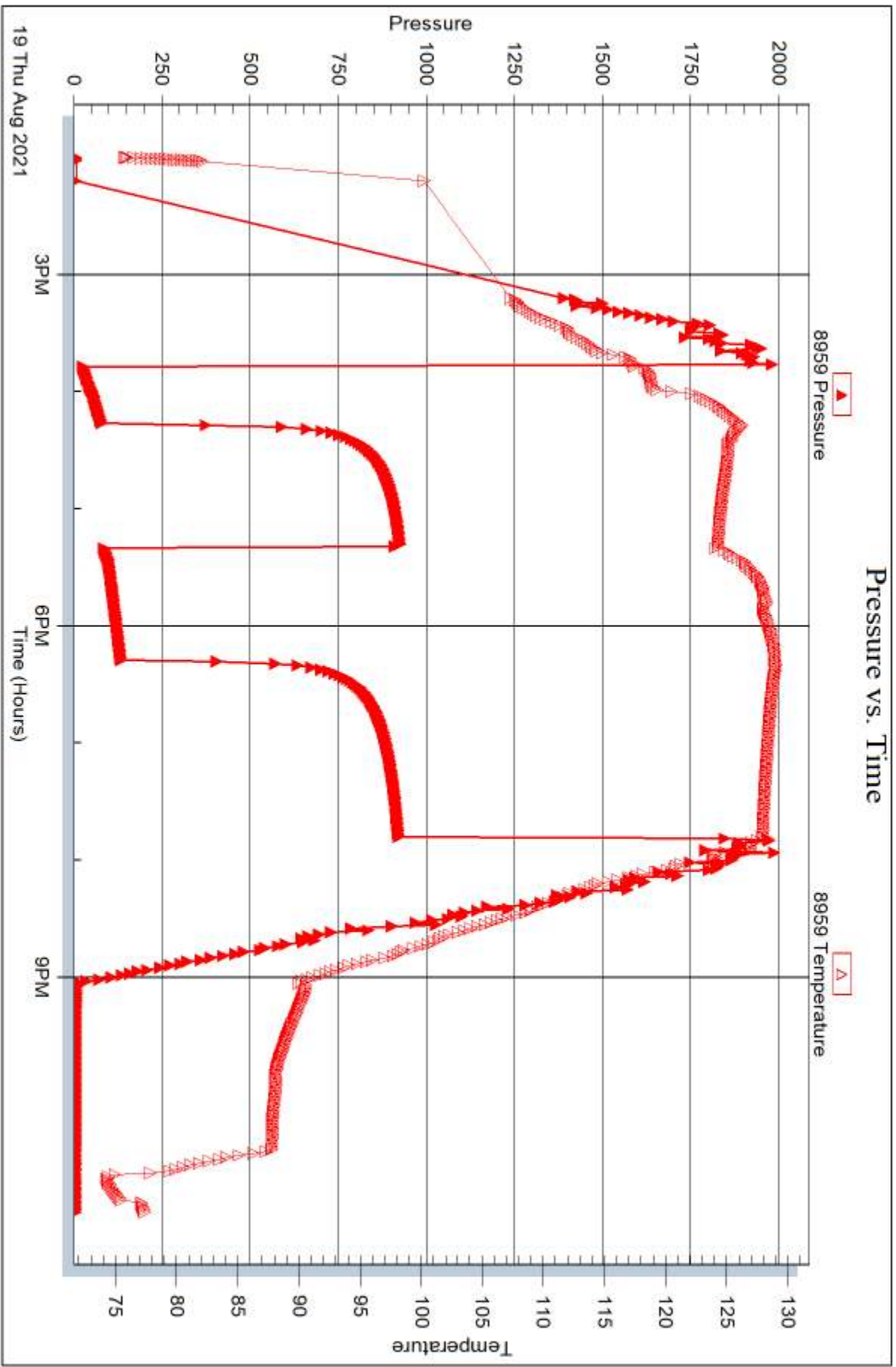
Serial #: 8959

Inside

Stebar Oil Corp

19-18S-31W Scott KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67662

Printed: 2021.08.25 @ 11:28:16



## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206

ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

**Michaelis Janssen #1-19**

Start Date: 2021.08.20 @ 10:46:00

End Date: 2021.08.20 @ 15:03:00

Job Ticket #: 67663                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.08.25 @ 11:27:43

Stelbar Oil Corp  
Michaelis Janssen #1-19  
19-18S.-31W Scott,KS  
DST # 2  
LKC " J "  
2021.08.20



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
Job Ticket: 67663 **DST#: 2**  
Test Start: 2021.08.20 @ 10:46:00

## GENERAL INFORMATION:

Formation: **LKC " J "**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)  
Time Tool Opened: 12:17:10 Tester: Martine Salinas  
Time Test Ended: 15:03:00 Unit No: 82  
**Interval: 4170.00 ft (KB) To 4188.00 ft (KB) (TVD)** Reference Elevations: 2968.00 ft (KB)  
Total Depth: 4222.00 ft (KB) (TVD) 2963.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
Press@RunDepth: 22.16 psig @ 4170.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.20 End Date: 2021.08.20 Last Calib.: 2021.08.20  
Start Time: 10:46:01 End Time: 15:03:00 Time On Btm: 2021.08.20 @ 12:17:00  
Time Off Btm: 2021.08.20 @ 13:10:50

**TEST COMMENT:** 15-IF-Weak surface blow dead @ 7 mins  
15-ISI-No return  
15-FF-No blow , Pull tool

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2084.78	117.78	Initial Hydro-static
1	21.76	116.60	Open To Flow (1)
17	22.16	117.27	Shut-In(1)
33	22.80	117.74	End Shut-In(1)
34	22.27	117.74	Open To Flow (2)
53	22.61	118.48	Shut-In(2)
54	2101.44	119.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Mud w /Oi spots	0.00

## Gas Rates

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

\* Recovery from multiple tests



# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

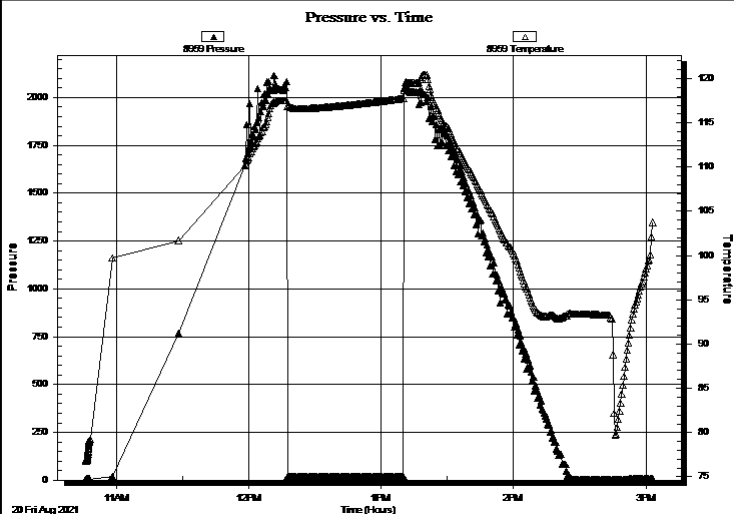
Michaelis Janssen #1-19  
19-18S.-31W Scott,KS  
Job Ticket: 67663      **DST#: 2**  
Test Start: 2021.08.20 @ 10:46:00

## GENERAL INFORMATION:

Formation: **LKC " J "**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Straddle (Reset)  
Time Tool Opened: 12:17:10      Tester: Martine Salinas  
Time Test Ended: 15:03:00      Unit No: 82  
Interval: **4170.00 ft (KB) To 4188.00 ft (KB) (TVD)**      Reference Elevations: 2968.00 ft (KB)  
Total Depth: 4222.00 ft (KB) (TVD)      2963.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 8959**      **Inside**  
Press@RunDepth:      psig @ 4170.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2021.08.20      End Date: 2021.08.20      Last Calib.: 2021.08.20  
Start Time: 10:46:01      End Time: 15:03:00      Time On Btm:  
Time Off Btm:

TEST COMMENT: 15-IF-Weak surface blow dead @ 7 mins  
15-ISI-No return  
15-FF-No blow , Pull tool



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Mud w /Oi spots	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 STE 200  
 Wichita, KS 67206  
 ATTN: Dave Goldak

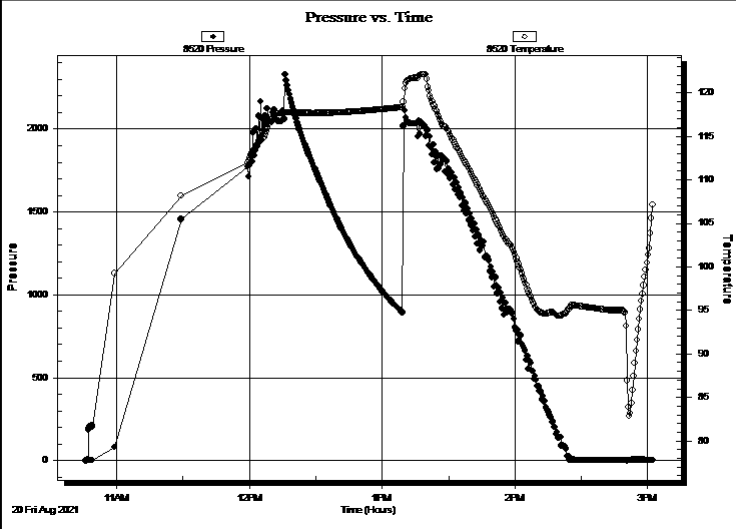
**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
 Job Ticket: 67663 **DST#: 2**  
 Test Start: 2021.08.20 @ 10:46:00

**GENERAL INFORMATION:**

Formation: <b>LKC " J "</b>			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Straddle (Reset)	
Time Tool Opened: 12:17:10		Tester: Martine Salinas	
Time Test Ended: 15:03:00		Unit No: 82	
<b>Interval: 4170.00 ft (KB) To 4188.00 ft (KB) (TVD)</b>		Reference Elevations: 2968.00 ft (KB)	
Total Depth: 4222.00 ft (KB) (TVD)		2963.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft	

<b>Serial #: 8520</b>	<b>Below (Straddle)</b>				
Press@RunDepth: psig @ 4188.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2021.08.20	End Date: 2021.08.20	Last Calib.: 2021.08.20			
Start Time: 10:46:01	End Time: 15:02:20	Time On Btm:			
		Time Off Btm:			

**TEST COMMENT:** 15-IF-Weak surface blow dead @ 7 mins  
 15-ISI-No return  
 15-FF-No blow , Pull tool



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

Recovery		
Length (ft)	Description	Volume (bbl)
1.00	100% Mud w /Oi spots	0.00

\* Recovery from multiple tests

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
Job Ticket: 67663 **DST#: 2**  
Test Start: 2021.08.20 @ 10:46:00

## Tool Information

Drill Pipe:	Length: 3998.00 ft	Diameter: 3.80 inches	Volume: 56.08 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 56.96 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial	69000.00 lb
Depth to Top Packer:	4170.00 ft			Final	69000.00 lb
Depth to Bottom Packer:	4183.00 ft				
Interval between Packers:	13.00 ft				
Tool Length:	81.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4145.00	
Sampler	2.00			4147.00	
Hydraulic tool	5.00	1113		4152.00	
Jars	5.00	01-07		4157.00	
Safety Joint	3.00	-001		4160.00	
Packer	5.00			4165.00	30.00 Bottom Of Top Packer
Packer	5.00			4170.00	
Recorder	0.00	8959	Inside	4170.00	
Recorder	0.00	8734	Outside	4170.00	
Perforations	12.00			4182.00	
Blank Off Sub	1.00			4183.00	13.00 Tool Interval
Packer	5.00			4188.00	
Packer - Shale	0.00			4188.00	
Recorder	0.00	8520	Below	4188.00	
Perforations	28.00			4216.00	
Bullnose	5.00			4221.00	38.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>81.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67663

**DST#: 2**

Test Start: 2021.08.20 @ 10:46:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Mud w/Oi spots	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

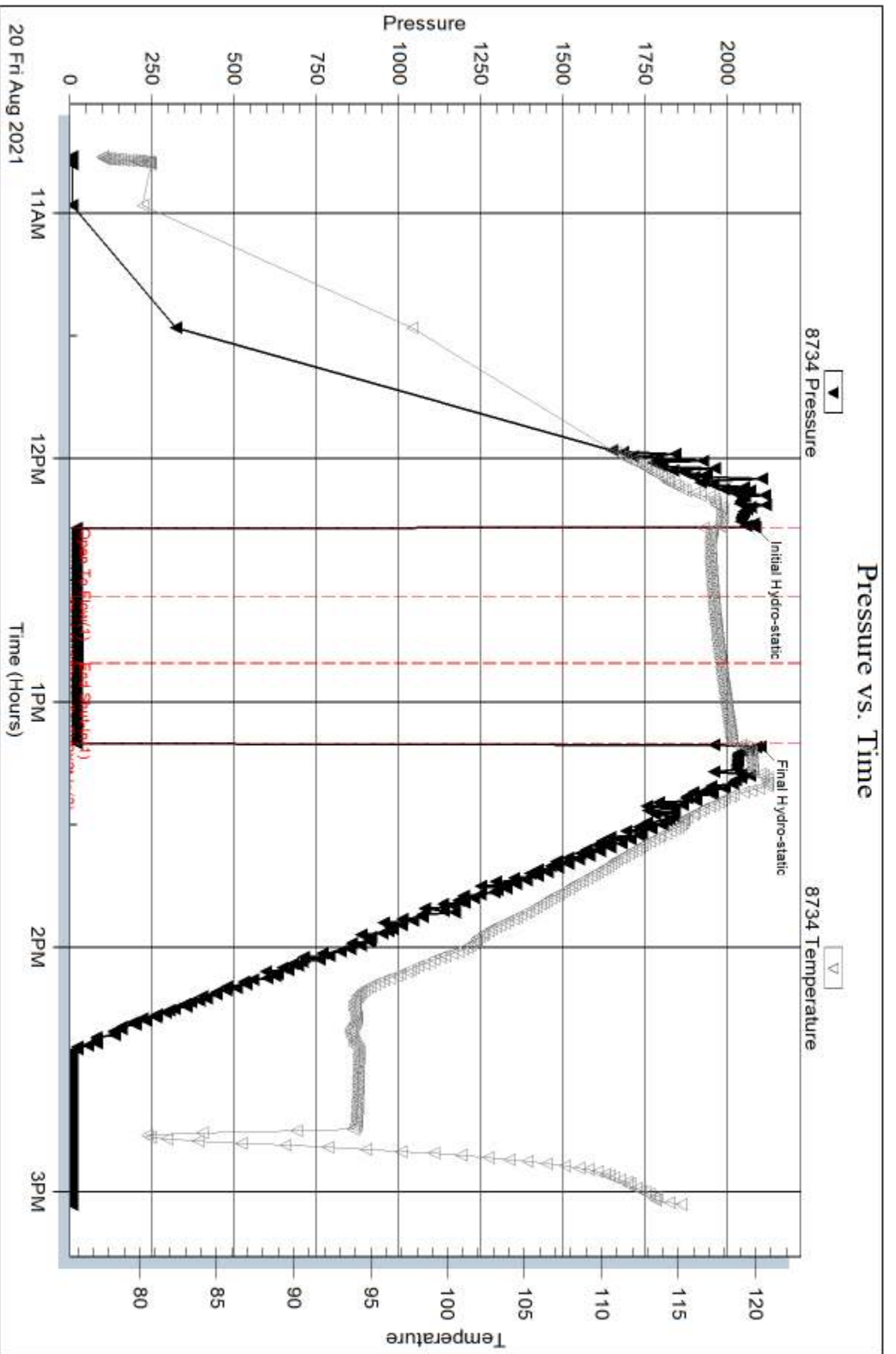
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





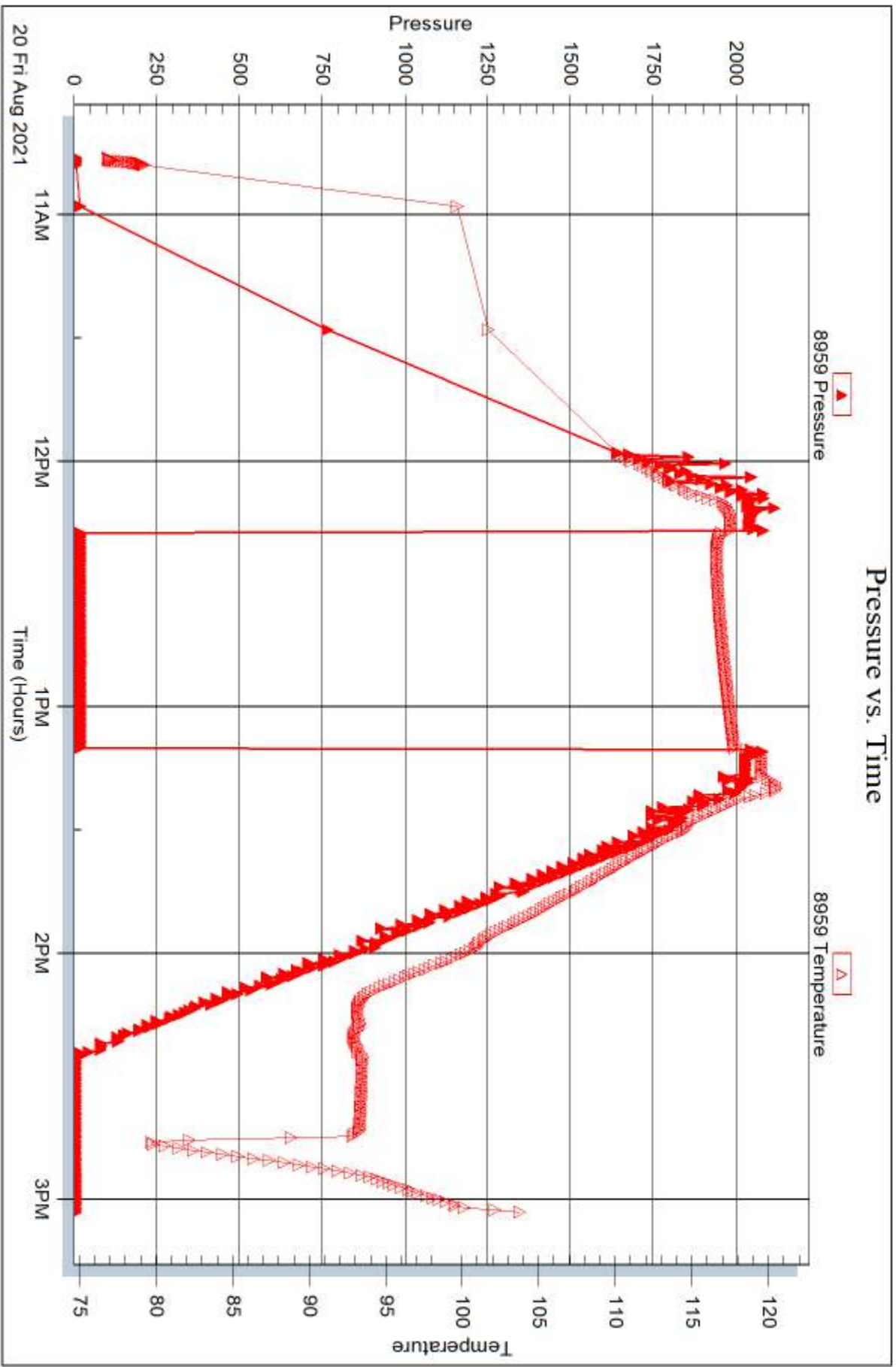
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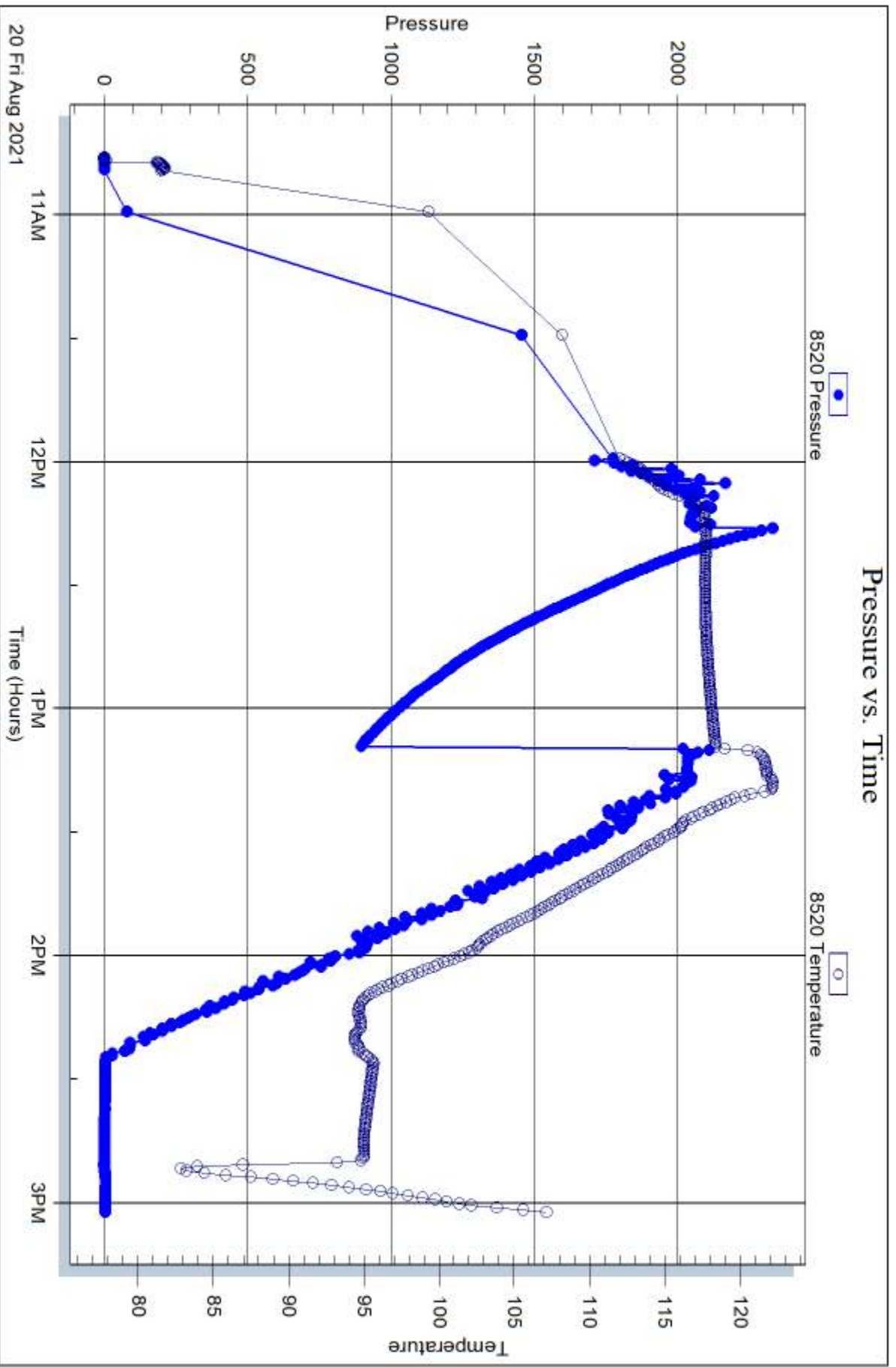
Inside

Stelbar Oil Corp

19-18S-31W Scott KS

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206

ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

**Michaelis Janssen #1-19**

Start Date: 2021.08.20 @ 23:53:00

End Date: 2021.08.21 @ 08:41:49

Job Ticket #: 67664                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.08.25 @ 11:26:55

Stelbar Oil Corp

Michaelis Janssen #1-19

19-18S.-31W Scott,KS

DST # 3

Pleasanton

2021.08.20



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
 1625 N Waterfront PKWY  
 STE 200  
 Wichita, KS 67206  
 ATTN: Dave Goldak

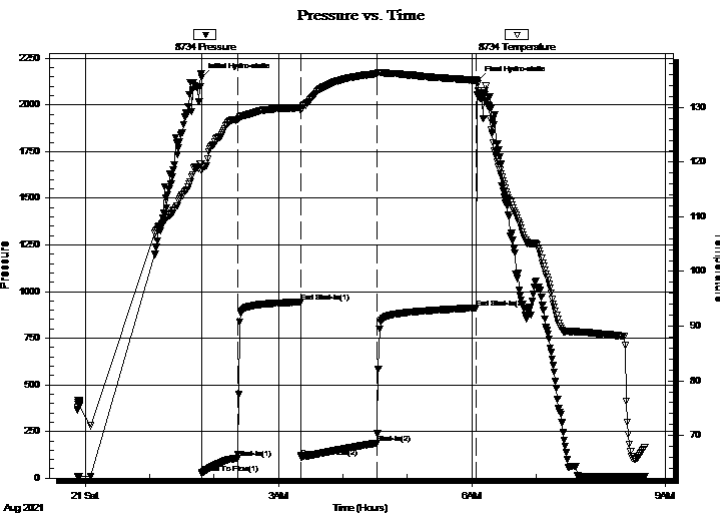
**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
 Job Ticket: 67664 **DST#: 3**  
 Test Start: 2021.08.20 @ 23:53:00

## GENERAL INFORMATION:

Formation: **Pleasanton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:48:30  
 Time Test Ended: 08:41:49  
 Interval: **4282.00 ft (KB) To 4296.00 ft (KB) (TVD)**  
 Total Depth: 4296.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 2968.00 ft (KB)  
 2963.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
 Press@RunDepth: 186.99 psig @ 4283.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.08.20 End Date: 2021.08.21 Last Calib.: 2021.08.21  
 Start Time: 23:53:01 End Time: 08:41:49 Time On Btm: 2021.08.21 @ 01:48:20  
 Time Off Btm: 2021.08.21 @ 06:05:30

**TEST COMMENT:** 30-IF-S.blow built to 10 1/2"  
 60-ISI-Return blow built to 1 1/2" & reduced to 1/2"  
 60-FF-S.blow built to B.O.B (11 inches) @ 34 mins (blow increased to 18")  
 90-FSI-Return blow built to 1 1/4" & reduced to 1/4"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.96	119.60	Initial Hydro-static
1	23.93	118.43	Open To Flow (1)
34	107.82	127.74	Shut-In(1)
93	943.86	129.93	End Shut-In(1)
93	113.86	129.63	Open To Flow (2)
164	186.99	136.17	Shut-In(2)
256	911.38	134.96	End Shut-In(2)
258	2131.08	134.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSMW 4%O, 5%M, 91%W	0.30
180.00	GSOMW 8%G, 10%O, 32%M, 50%W	1.45
140.00	CGO 32%G, 68%O	1.96
0.00	160' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



TRILOBITE TESTING, INC

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

Michaelis Janssen #1-19  
19-18S.-31W Scott,KS  
Job Ticket: 67664      **DST#: 3**  
Test Start: 2021.08.20 @ 23:53:00

### GENERAL INFORMATION:

**Formation:** Pleasanton  
**Deviated:** No      **Whipstock:** ft (KB)  
**Time Tool Opened:** 01:48:30      **Test Type:** Conventional Bottom Hole (Reset)  
**Time Test Ended:** 08:41:49      **Tester:** Martine Salinas  
   **Unit No:** 82  
**Interval:** 4282.00 ft (KB) To 4296.00 ft (KB) (TVD)      **Reference Elevations:** 2968.00 ft (KB)  
**Total Depth:** 4296.00 ft (KB) (TVD)      2963.00 ft (CF)  
**Hole Diameter:** 7.88 inches **Hole Condition:** Good      **KB to GR/CF:** 5.00 ft

**Serial #: 8959**      **Inside**  
**Press@RunDepth:** psig @ 4283.00 ft (KB)      **Capacity:** 8000.00 psig  
**Start Date:** 2021.08.20      **End Date:** 2021.08.21      **Last Calib.:** 2021.08.21  
**Start Time:** 23:53:01      **End Time:** 08:41:49      **Time On Btm:**  
   **Time Off Btm:**

**TEST COMMENT:** 30-IF-S.blow built to 10 1/2"  
60-ISI-Return blow built to 1 1/2" & reduced to 1/2"  
60-FF-S.blow built to B.O.B (11 inches) @ 34 mins (blow increased to 18")  
90-FSI-Return blow built to 1 1/4" & reduced to 1/4"

### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSMW 4%O, 5%M, 91%W	0.30
180.00	GSOMW 8%G,10%O,32%M,50%W	1.45
140.00	CGO 32%G, 68%O	1.96
0.00	160' GIP	0.00

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67664

**DST#: 3**

Test Start: 2021.08.20 @ 23:53:00

## Tool Information

Drill Pipe:	Length: 4092.00 ft	Diameter: 3.80 inches	Volume: 57.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4282.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4253.00	
Shut In Tool	5.00			4258.00	
Sampler	2.00			4260.00	
Hydraulic tool	5.00	1113		4265.00	
Jars	5.00	01-07		4270.00	
Safety Joint	3.00	-001		4273.00	
Packer	5.00			4278.00	30.00 Bottom Of Top Packer
Packer	4.00			4282.00	
Stubb	1.00			4283.00	
Recorder	0.00	8959	Inside	4283.00	
Recorder	0.00	8734	Outside	4283.00	
Perforations	8.00			4291.00	
Bullnose	5.00			4296.00	14.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67664 **DST#: 3**

Test Start: 2021.08.20 @ 23:53:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 28.8 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 30000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSMW 4%O, 5%M, 91%W	0.295
180.00	GSOMW 8%G, 10%O, 32%M, 50%W	1.450
140.00	CGO 32%G, 68%O	1.964
0.00	160' GIP	0.000

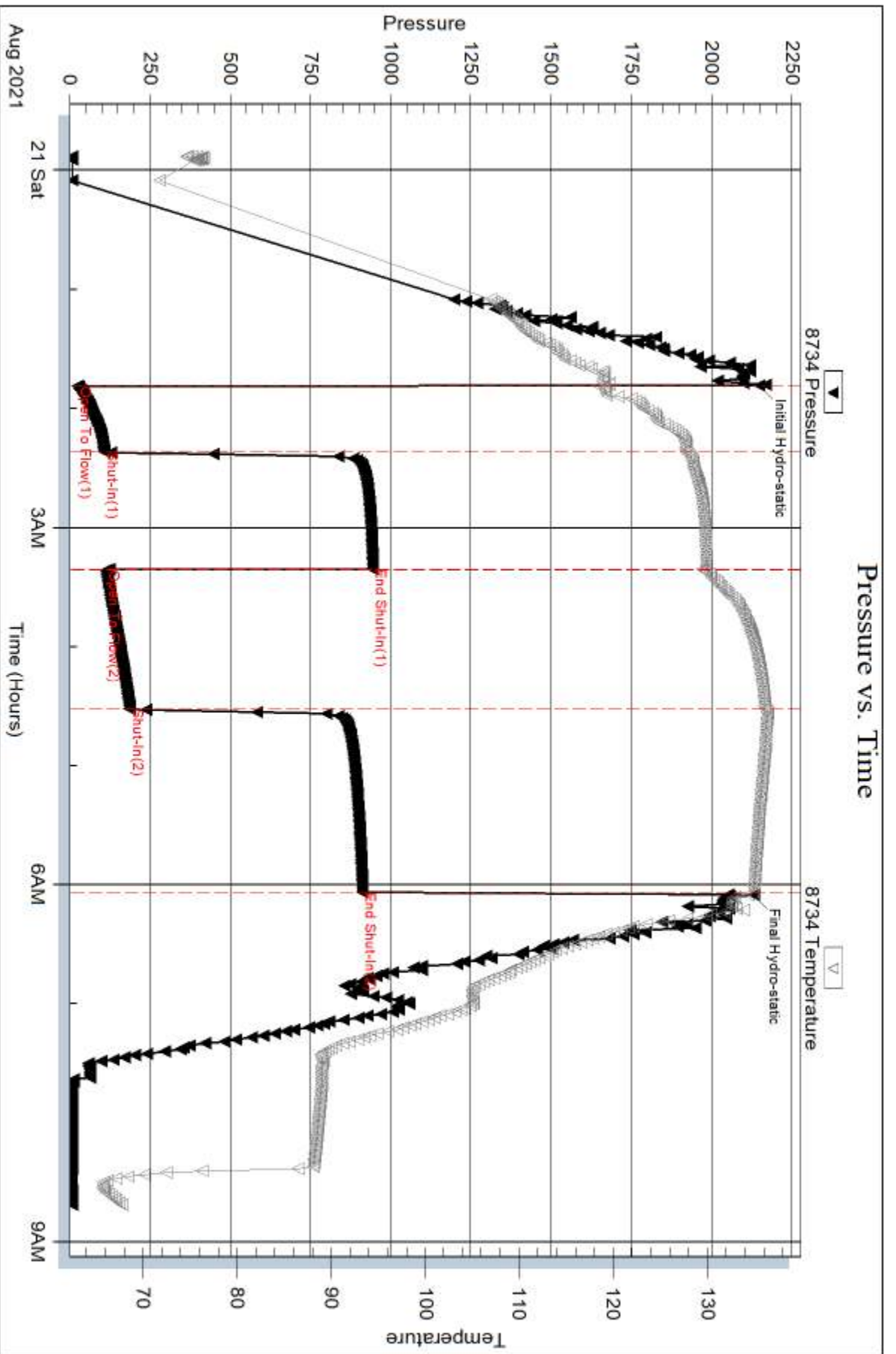
Total Length: 380.00 ft      Total Volume: 3.709 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity of oil =29.4 @ 66 degs corrected to 28.8 @ 60 degs  
RW = .260 @ 65.5 degs = 30,000 PPM





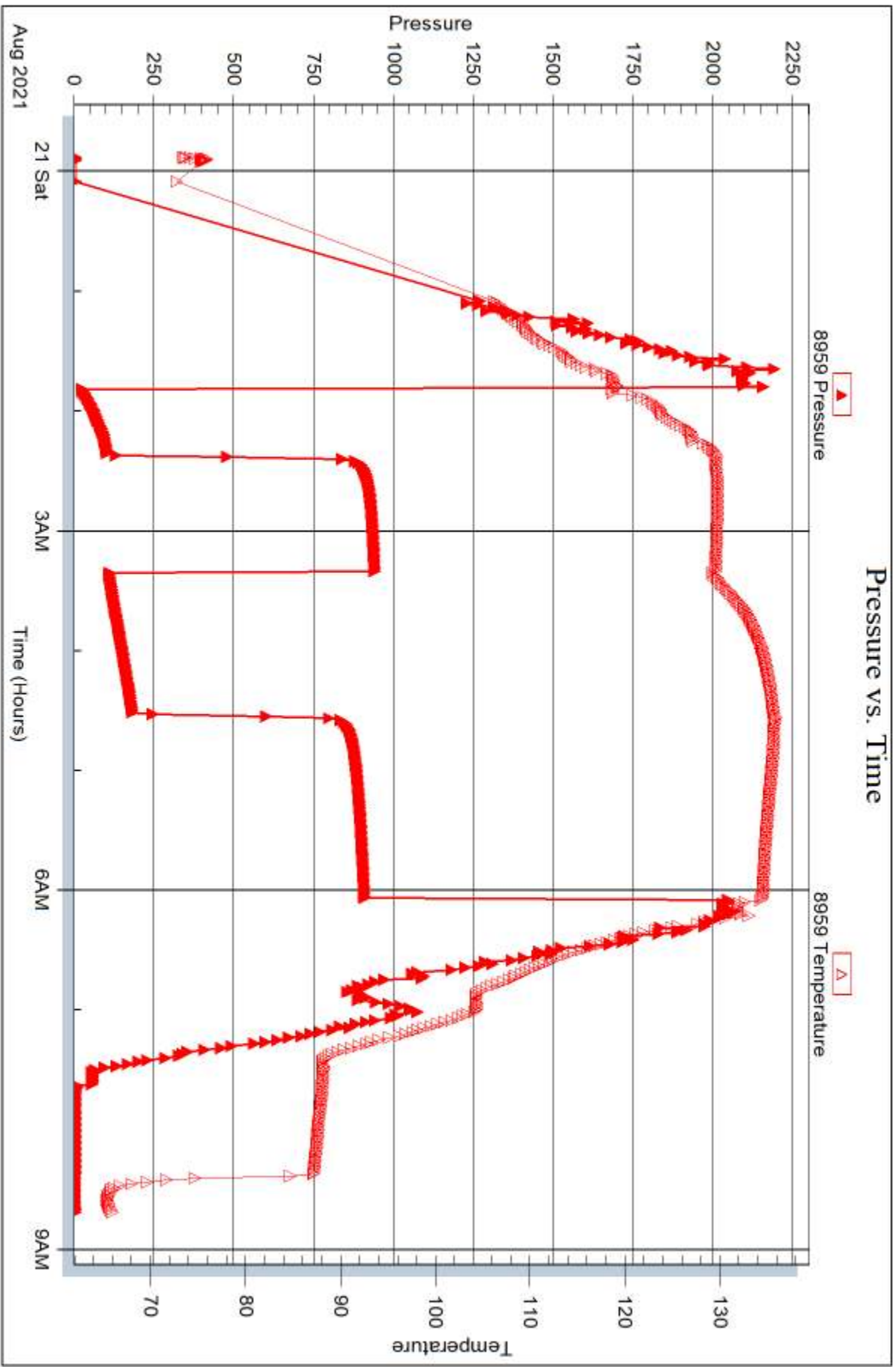
Serial #: 8959

Inside

Stebar Oil Corp

19-18S-31W Scott KS

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206

ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

**Michaelis Janssen #1-19**

Start Date: 2021.08.22 @ 04:08:00

End Date: 2021.08.22 @ 12:59:40

Job Ticket #: 67665                      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.08.25 @ 11:19:41



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

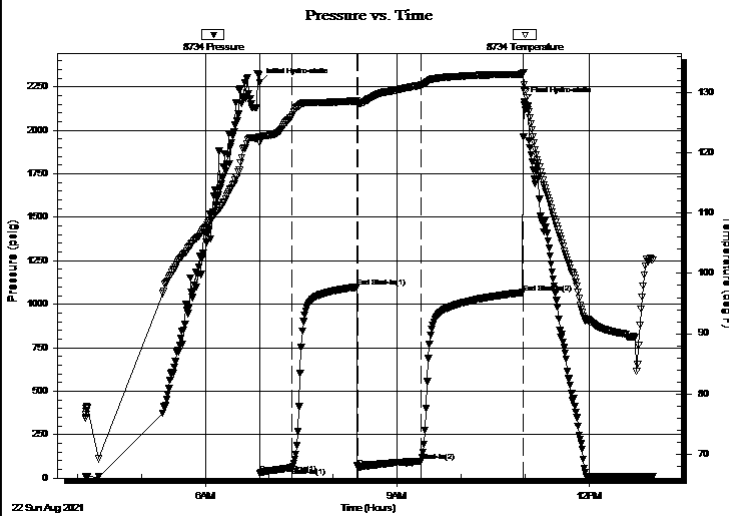
**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
Job Ticket: 67665 **DST#: 4**  
Test Start: 2021.08.22 @ 04:08:00

## GENERAL INFORMATION:

Formation: **Basal Johnson**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:51:10  
Time Test Ended: 12:59:40  
Interval: **4522.00 ft (KB) To 4540.00 ft (KB) (TVD)**  
Total Depth: 4540.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 2968.00 ft (KB)  
2963.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
Press@RunDepth: 95.84 psig @ 4523.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.08.22 End Date: 2021.08.22 Last Calib.: 2021.08.22  
Start Time: 04:08:01 End Time: 12:59:40 Time On Btm: 2021.08.22 @ 06:51:00  
Time Off Btm: 2021.08.22 @ 10:58:39

**TEST COMMENT:** 30-IF-S.blow built to 5"  
60-ISI-Weak surface bubbles @ 11 mins dead @ 47 mins  
60-FF-S.blow built to B.O.B(11 inches) @ 60 mins  
60-FSI-Return blow built to 1 1/2" & reduced to s.blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.38	122.54	Initial Hydro-static
1	28.53	121.64	Open To Flow (1)
31	60.18	126.05	Shut-In(1)
91	1098.21	128.65	End Shut-In(1)
92	62.22	128.26	Open To Flow (2)
151	95.84	131.25	Shut-In(2)
247	1067.49	133.05	End Shut-In(2)
248	2164.11	131.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 25%G, 15%O, 60%M	0.30
130.00	CGO 35%G, 65%O	0.75
0.00	300' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stelbar Oil Corp  
1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

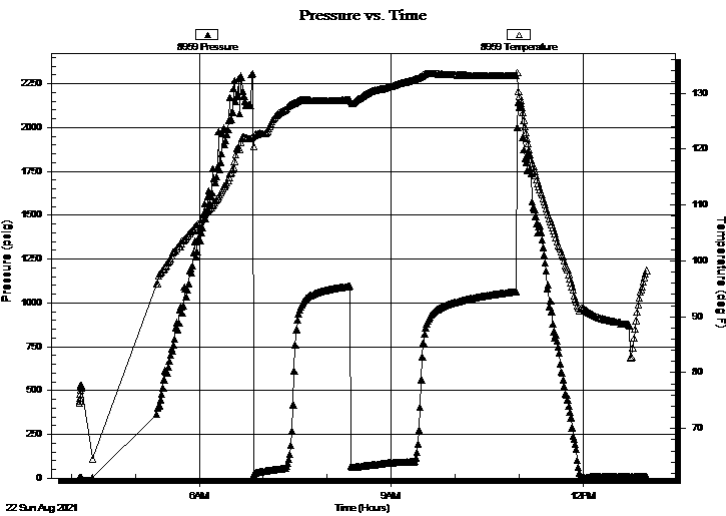
**Michaelis Janssen #1-19**  
**19-18S.-31W Scott,KS**  
Job Ticket: 67665      **DST#: 4**  
Test Start: 2021.08.22 @ 04:08:00

## GENERAL INFORMATION:

Formation: <b>Basal Johnson</b>		
Deviated:      No      Whipstock:                      ft (KB)		Test Type:      Conventional Bottom Hole (Reset)
Time Tool Opened: 06:51:10		Tester:      Martine Salinas
Time Test Ended: 12:59:40		Unit No:      82
<b>Interval:      4522.00 ft (KB) To 4540.00 ft (KB) (TVD)</b>		Reference Elevations:      2968.00 ft (KB)
Total Depth:      4540.00 ft (KB) (TVD)		2963.00 ft (CF)
Hole Diameter:      7.88 inches	Hole Condition:      Good	KB to GR/CF:      5.00 ft

<b>Serial #: 8959</b>	<b>Inside</b>			
Press@RunDepth:                      psig @      4523.00 ft (KB)		Capacity:                      8000.00 psig		
Start Date:                      2021.08.22	End Date:                      2021.08.22	Last Calib.:                      2021.08.22		
Start Time:                      04:08:01	End Time:                      12:59:40	Time On Btm:		
		Time Off Btm:		

**TEST COMMENT:** 30-IF-S.blow built to 5"  
60-ISI-Weak surface bubbles @ 11 mins dead @ 47 mins  
60-FF-S.blow built to B.O.B(11 inches) @ 60 mins  
60-FSI-Return blow built to 1 1/2" & reduced to s.blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 25%G, 15%O, 60%M	0.30
130.00	CGO 35%G, 65%O	0.75
0.00	300' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67665 **DST#: 4**  
Test Start: 2021.08.22 @ 04:08:00

## Tool Information

Drill Pipe:	Length: 4346.00 ft	Diameter: 3.80 inches	Volume: 60.96 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4522.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4489.00	
Shut In Tool	5.00			4494.00	
Sampler	2.00			4496.00	
Hydraulic tool	5.00	1113		4501.00	
Jars	5.00	01-07		4506.00	
EM Tool	4.00			4510.00	
Safety Joint	3.00	-001		4513.00	
Packer	5.00			4518.00	34.00 Bottom Of Top Packer
Packer	4.00			4522.00	
Stubb	1.00			4523.00	
Recorder	0.00	8959	Inside	4523.00	
Recorder	0.00	8734	Outside	4523.00	
Perforations	12.00			4535.00	
Bullnose	5.00			4540.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp

**Michaelis Janssen #1-19**

1625 N Waterfront PKWY  
STE 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**19-18S.-31W Scott,KS**

Job Ticket: 67665

**DST#: 4**

Test Start: 2021.08.22 @ 04:08:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 65.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 27 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 25%G, 15%O, 60%M	0.295
130.00	CGO 35%G, 65%O	0.749
0.00	300' GIP	0.000

Total Length: 190.00 ft      Total Volume: 1.044 bbl

Num Fluid Samples: 0

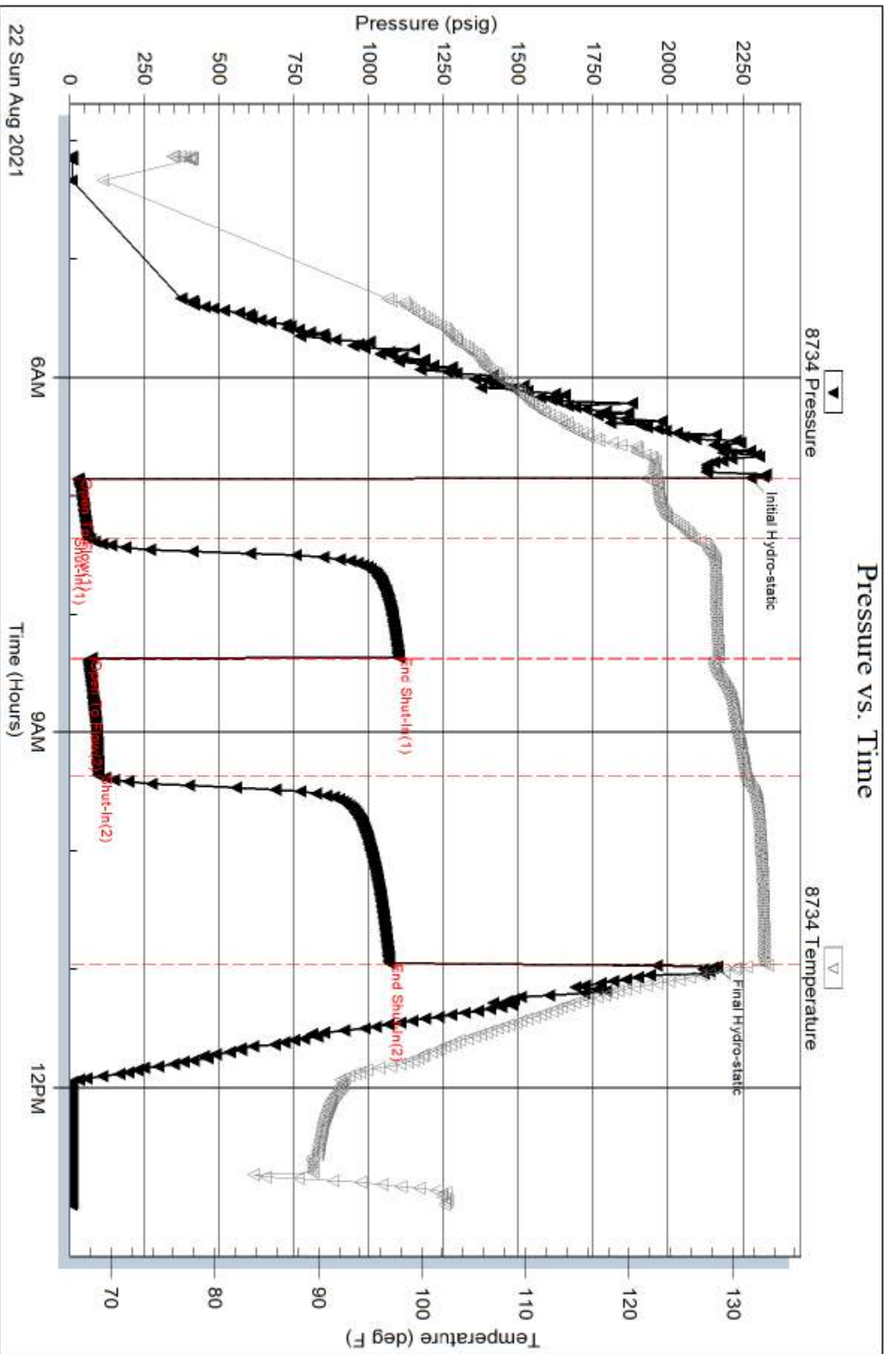
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 30.4 @ 94 degs corrected to 27.0 @ 60 degs





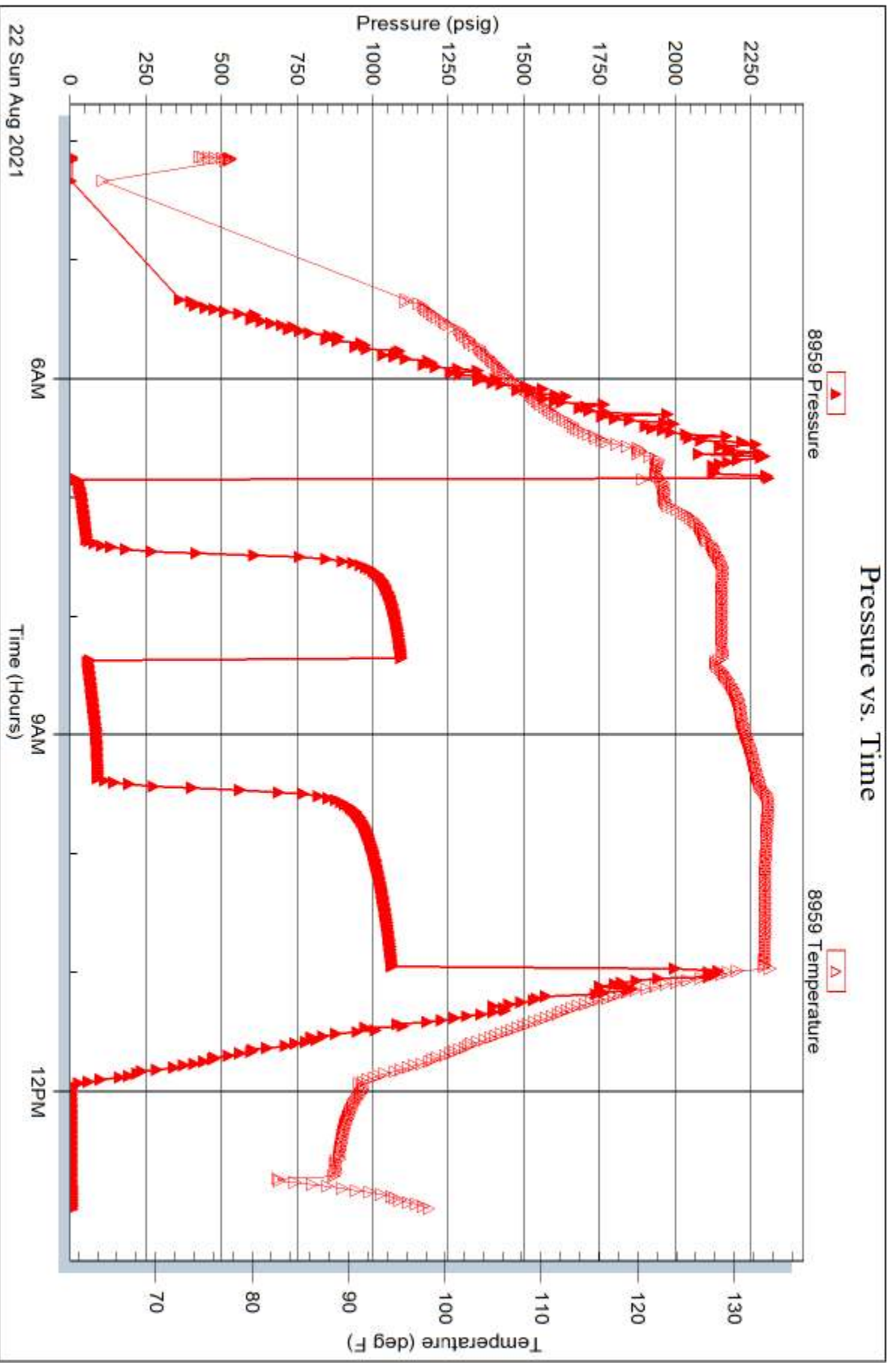
Serial #: 8959

Inside

Stebar Oil Corp

19-18S-31W Scott KS

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67665

Printed: 2021.08.25 @ 11:19:42



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **67662**

Well Name & No. Michaelis - Janssen Unit #1-19 Test No. 1 Date 8-19-21  
 Company ~~Michaelis - Janssen Unit #1-19~~ Stelber Oil Corp. Elevation 2968 KB 2963 GL  
 Address 1625 N. Waterfront PKWY STE 200 Wichita, KS 67206  
 Co. Rep / Geo. Dave Guldak Rig Murfin # 110  
 Location: Sec. 19 Twp 18 S. Rge. 31 W. Co. Scott State KS.

Interval Tested 4002 - 4018 Zone Tested LKC "D"  
 Anchor Length 16' Drill Pipe Run 3808 Mud Wt. 8.9  
 Top Packer Depth 3997 Drill Collars Run 178 Vis 55  
 Bottom Packer Depth 4062 Wt. Pipe Run — WL 7.6  
 Total Depth 4018 Chlorides 2000 ppm System LCM 24  
 Blow Description IF - S. blow built to 6"  
ISI - S. blowback dead @ 6 mins dead @ 20 mins.  
FF - S. blow built to 7 1/4"  
FST - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>5' SMCW</u>	<u>4</u>	<u>86</u>	<u>10</u>	
<u>90</u>	<u>OCMW</u>	<u>9</u>	<u>48</u>	<u>43</u>	
<u>60</u>	<u>CGO</u>	<u>10</u>	<u>90</u>		
<u>0</u>	<u>100' GIP.</u>				

Rec Total 260 BHT 128 Gravity 25 API RW 301 @ 75.5° F Chlorides 22,000 ppm

(A) Initial Hydrostatic 2059  Test 1450 T-On Location 13:30  
 (B) First Initial Flow 28  Jars 250 T-Started 14:00  
 (C) First Final Flow 83  Safety Joint 75 T-Open 15:47  
 (D) Initial Shut-In 928  Circ Sub \_\_\_\_\_ T-Pulled 19:47  
 (E) Second Initial Flow 85  Hourly Standby \_\_\_\_\_ T-Out 23:00  
 (F) Second Final Flow 136  Mileage 10 RT 12.50 Comments Tell on bank @ 14:15  
 (G) Final Shut-In 923  Sampler 250  
 (H) Final Hydrostatic 1925  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Day Standby \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Accessibility \_\_\_\_\_ Sub Total 0  
 Sub Total 2037.50 Total 2037.50 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 67662 Date 8-19-21  
 Company Name Stelbar Oil Corp.  
 Lease Michaelis-Janssen Unit #1-19 Test No. 1  
 County Scott Sec. 19 Twp. 18 S. Rng. 31 W.

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil 5% 100 ML  
 Mud 2% 40 ML  
 Water 93% 1860 ML  
 Other \_\_\_\_\_ ML  
 Pressure 25 PSI ML  
 Total 2000 MSOCW ML

### PIT MUD ANALYSIS

Chlorides ~~22,000~~ 2,000 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 55  
 Mud Weight 8.9  
 Filtrate 7.6.  
 Other 2# LCM

### SAMPLER ANALYSIS

Resistivity 301 ohms @ 75.5 F  
 Chlorides 22,000 ppm.  
 Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**MIDDLE**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67663

Well Name & No. Michaelis-Janssen Unit # 1-19 Test No. 2 Date 8-20-21  
 Company Stelbar Oil Corp. Elevation 2968 KB 2963 GL  
 Address 1625 N. Waterfront PKWY STE 200 Wichita, KS 67206  
 Co. Rep / Geo. Dave Goldak Rig Murfin # 110  
 Location: Sec. 19 Twp 18 S. Rge. 31 W. Co. Scott State KS

Interval Tested 4170 - 4188 Zone Tested LKC "J"  
 Anchor Length 13' 34' T. Pipe. Drill Pipe Run 3998 Mud Wt. 9.2  
 Top Packer Depth 4165 - 4170 Drill Collars Run 178 Vis 54  
 Bottom Packer Depth 4188 (Shale) Wt. Pipe Run — WL 8.0  
 Total Depth 4222 Chlorides 3000 ppm System LCM 1#

Blow Description IF - Weak surface blow dead @ 7 mins

ISI - No return

FE - No blow

FBI - Pull Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud w/oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2085  Test 1450 T-On Location 10:15  
 (B) First Initial Flow 22  Jars 250 T-Started 10:46  
 (C) First Final Flow 22  Safety Joint 75 T-Open 12:19  
 (D) Initial Shut-In 23  Circ Sub — T-Pulled 13:04  
 (E) Second Initial Flow 22  Hourly Standby — T-Out 15:07  
 (F) Second Final Flow 23  Mileage 10 RT 12.50 Comments —  
 (G) Final Shut-In —  Sampler 250  
 (H) Final Hydrostatic 2101  Straddle 600  
 EM Tool —

Initial Open 15  Ruined Shale Packer —  
 Initial Shut-In 15  Ruined Packer —  
 Final Flow 15  Extra Copies —  
 Final Shut-In —  Day Standby — Sub Total 0  
 Accessibility — Total 2887.50  
 Sub Total 2887.50 MP/DST Disc't —

Approved By Dave Goldak Our Representative Mark Salin

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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 67663 Date 8-20-21

Company Name Stelbar Oil Corp

Lease Michaelis - Janssen Unit #1-19 Test No. #2

County Scott Sec. 19 Twp. 18S Rng. 31W

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML

Oil \_\_\_\_\_ ML

Mud 100% 1000 ML

Water \_\_\_\_\_ ML

Other \_\_\_\_\_ ML

Pressure \_\_\_\_\_ ML

Total 1000 Mud/w/ oil spots. ML

### PIT MUD ANALYSIS

Chlorides 3000 ppm.

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Viscosity 54

Mud Weight 9.2

Filtrate 8.0

Other 1# LCM.

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

#### TOP

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

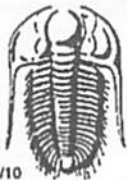
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **67664**

Well Name & No. Michaelis-Janssen Unit # 1-19 Test No. 3 Date 8-20-21  
 Company Stelbar Oil Corp. Elevation 2968 KB 2963 GL  
 Address 1625 N. Waterfront PKWY STE 200 Wichita, KS 67206  
 Co. Rep / Geo. Dave Goldak Rig Murfin #110  
 Location: Sec. 19 Twp 18S. Rge. 31W. Co. Scott State KS.

Interval Tested 4282 - 4296 Zone Tested Pleasanton  
 Anchor Length 14' Drill Pipe Run 4093 Mud Wt. 9.3  
 Top Packer Depth 4277 Drill Collars Run 178 Vis 50  
 Bottom Packer Depth 4282 Wt. Pipe Run — WL 8.0  
 Total Depth 4296 Chlorides 3000 ppm System LCM 2#

Blow Description IF - S. blow built to 10 1/2"  
ISI - Return blow @ 4 mins built to 1 1/2" & reduced to 1/2"  
FF - S. blow to B.O.B (11 inches) @ 34 mins (blow increased to 18")  
FSI - Return blow built to 1 1/4" & reduced to 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>OSMW</u>	<u>4</u>	<u>91</u>	<u>5</u>	
<u>180</u>	<u>G50 MW</u>	<u>8</u>	<u>10</u>	<u>50</u>	<u>32</u>
<u>140</u>	<u>CGO</u>	<u>32</u>	<u>68</u>		
Rec	Feet of <u>160' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 380 BHT 134 Gravity 28.8 API RW 260 @ 65.5 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic <u>2148</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>22:30</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:53</u>
(C) First Final Flow <u>108</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>01:50</u>
(D) Initial Shut-In <u>944</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>06:00</u>
(E) Second Initial Flow <u>114</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>08:42</u>
(F) Second Final Flow <u>187</u>	<input checked="" type="checkbox"/> Mileage <u>10 RT</u> <u>12.50</u>	Comments
(G) Final Shut-In <u>911</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>2131</u>	<input type="checkbox"/> Straddle	

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 70  
 Final Shut-In 90

<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
Sub Total <u>2037.50</u>	Total <u>2037.50</u>
	MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 67664 Date 8-20-21

Company Name Stelbar Oil Corp.

Lease Michaelis - Janssen Unit #1-19 Test No. #3

County Scott Sec. 19 Twp. 18S. Rng. 31W.

### SAMPLER RECOVERY

Gas 5% 100 ML

Oil 55% 1100 ML

Mud \_\_\_\_\_ ML

Water 40% 800 ML

Other \_\_\_\_\_ ML

Pressure 85 PSI ML

Total 2000 ML of GWD ML

### PIT MUD ANALYSIS

Chlorides 3000 ppm.

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Viscosity 50

Mud Weight 9.3

Filtrate 8.0

Other 2# LCM,

### SAMPLER ANALYSIS

Resistivity 0.260 ohms @ 65.5 F

Chlorides 30,000 ppm.

Gravity 28.8 corrected @60F

### PIPE RECOVERY

#### TOP

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

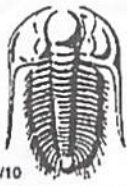
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **67665**

Well Name & No. Michaelis - Jansson Unit #1-19 Test No. 4 Date 8-21-21  
 Company Stelbar Oil Corp. Elevation 2968 KB 2963 GL  
 Address 1625 N. Waterfront PKWY STE 200 Wichita, KS 67206  
 Co. Rep / Geo. Dave Goldak Rig Murfin #110  
 Location: Sec. 19 Twp 18S. Rge. 31W. Co. Scott State KS.

Interval Tested 4522-4540 Zone Tested Basal Johnson.  
 Anchor Length 18' Drill Pipe Run 4346 Mud Wt. 9.0  
 Top Packer Depth 4517 Drill Collars Run 178 Vis 65  
 Bottom Packer Depth 4522 Wt. Pipe Run — WL 9.6  
 Total Depth 4540 Chlorides 3500 ppm System LCM 5#

Blow Description IF - S. blow built to 5"  
ISE - Weck surface blow @ 11 mins. dead @ 47 mins.  
FE - S. blow built to B.O.B (11 inches) @ 60 mins.  
FSI - Return blow built to 1 1/2" & reduced to S. blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GoCM</u>	<u>25</u>	<u>15</u>	<u>60</u>	
<u>130</u>	<u>C60</u>	<u>35</u>	<u>65</u>		
<u>0</u>	<u>300' GIP</u>				

Rec Total 190 BHT 131 Gravity 27.0 API RW — @ — °F Chlorides — ppm  
 (A) Initial Hydrostatic 2275  Test 1450 T-On Location 23:30  
 (B) First Initial Flow 29  Jars 250 T-Started 04:08  
 (C) First Final Flow 60  Safety Joint 75 T-Open 06:50  
 (D) Initial Shut-In 1098  Circ Sub \_\_\_\_\_ T-Pulled 10:50  
 (E) Second Initial Flow 62  Hourly Standby 3.5h 350 T-Out 13:00  
 (F) Second Final Flow 96  Mileage 10 RT. X2 12.50+ 12.50 Comments Had to run a wiper trip. Tools loaded @ 21:30  
 (G) Final Shut-In 1067  Sampler 250  Straddle \_\_\_\_\_  
 (H) Final Hydrostatic 2164  Shale Packer \_\_\_\_\_  EM Tool 350 NS  
 Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 2400 Sub Total 0 Total 2400 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90

Approved By [Signature] Our Representative [Signature]  
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# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 67665 Date 8-22-21

Company Name Stelbar Oil Corp.

Lease Michaelis-Janssen Unit #1-19 Test No. 4

County Scott Sec. 19 Twp. 18S. Rng. 31W.

### SAMPLER RECOVERY

Gas 20% 400 ML

Oil 80% 1600 ML

Mud \_\_\_\_\_ ML

Water \_\_\_\_\_ ML

Other \_\_\_\_\_ ML

Pressure \_\_\_\_\_ ML

Total 2000 of CGU ML

### PIT MUD ANALYSIS

Chlorides 3500 ppm.

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Viscosity 65

Mud Weight 9.0

Filtrate 9.6

Other 5# LCM

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

Gravity 27.6 corrected @60F

### PIPE RECOVERY

#### TOP

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

# GEOLOGIC REPORT

## DAVID J. GOLDAK

WICHITA, KANSAS  
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Michaelis-Janssen Unit #1-19  
API: 15-171-21275-0000  
Location: Section 19 - T18S - R31W  
License Number: \_\_\_\_\_ Region: Scott Co., KS  
Spud Date: 08 / 16 / 2021 Drilling Completed: 08 / 23 / 2021  
Surface Coordinates: 487' FNL and 260' FWL  
SW - NW - NW - NW  
Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2763' K.B. Elevation (ft): 2768'  
Logged Interval (ft): 3700' To: 4630' Total Depth (ft): 4630'  
Formation: Mississippian - Spergen  
Type of Drilling Fluid: Chemical - Mud-Co

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

### OPERATOR

Company: Stelbar Oil Corporation  
Address: 1625 N. Waterfront Pkwy., Suite 200  
Wichita, Kansas 67206-6602

### GEOLOGIST

Name: David J. Goldak  
Company: D. J. GOLDAK, INC.  
Address: 12427 W Ridgepoint Cir  
Wichita, Kansas 67235

### General Information

CONTRACTOR: Murfin Drilling, Rig #110

#### BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12.25	Smith-RR	3-15s	302'	302'	2.50
2	7.875	Smith-MI616	3-15s	4630'	4328'	59.00

SURVEYS: 1303'-0.75, 3238'-0.75, 4018'-0.25, 4630'-

#### GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 18 collars (6.25"x2.25"): 532.87'  
Drilling with 10,000-14,000 lbs on bit and 110-120 RPM  
Pumping 60 S/M; 7.74 B/M; and 800-1000 PSI at the standpipe

### Daily Status

08/16/21 - Spud at 2:45 PM; Set 8-5/8" csg at 300'; PD @ 7:00 PM; DP @ 3:00 AM 08/17  
08/17/21 - 514' Drilling  
08/18/21 - 2,953' Drilling; Displace drilling fluids @ 3,390'  
08/19/21 - 3,940' Drilling; DST #1 @ 4,018'  
08/20/21 - 4,159' Drilling; DST #2 @ 4,222'  
08/21/21 - 4,296' TOOH with DST #3  
08/22/21 - 4,540' DST #4 in progress; Logging late PM  
08/23/21 - 4,630' Prep to set production casing

### Log Tops

### Sample Tops

Anhydrite	2238 (+730)
Base of Anhy	2299 (+669)
Heebner	3881 (-913)
Lansing	3929 (-961)
Muncie Creek	4101 (-1133)
Stark Sh	4196 (-1228)
Hushpuckney	4234 (-1266)
Pleasanton	4286 (-1318)
Marmaton	4313 (-1345)
Pawnee	4406 (-1438)
Cherokee Sh	4447 (-1479)
Johnson Zone	4506 (-1538)
Morrow Shale	4540 (-1572)
Miss - St Louis	4547 (-1579)
Total Depth	4630 (-1662)

## DSTs

**DST #1: 4002' - 4018' (LKC "D")**

**30" - 60" - 60" - 90"**

**IF: Blow building to 6 inches**

**ISI: Return surface blow, then died**

**FF: Blow building to 7.25 inches**

**FSI: No return blow**

**RECOVERY: 100' GIP & 260' Total Fluid, consisting of:**

**60' CGO (100% O); Gravity 25 API**

**80' OCMW (8% O, 48% W & 44% M)**

**120' SOMCW (4% O, 86% W & 10% M)**

**Sampler: 100 ml O, 40 ml M & 1860 ml W @ 25 psi**

**Chlorides recovery: 22,000 ppm**

**SIP: 928-923; FP: 28-83, 85-136; HP: 2059-1925; BHT: 128**

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**DST #2: 4170' - 4188' (LKC "J")**

**[Straddle] 15" - 15" - 15" - 0"**

**IF: Weak surface blow, died in 7 minutes**

**ISI: No return blow**

**FF: No blow**

**FSI: N/A**

**RECOVERY: 1' Total Fluid, consisting of:**

**1' OSM (100% Mud)**

**Sampler: 1000 ml OSM @ 0 psi**

**SIP: 23-N/A; FP: 22-22, 22-23; HP: 2085-2101; BHT: 119**

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**DST #3: 4282' - 4296' (Pleasanton)**

**30" - 60" - 60" - 90"**

**IF: Blow building to 10.5 inches**

**ISI: Return blow building to 1.5 inches**

**FF: Blow building to BOB in 34 minutes**

**FSI: return blow building to 1.25 inches**

**RECOVERY: 160' GIP & 380' Total Fluid, consisting of:**

**140' CGO (100% O); Gravity 29 API**

**180' GOCMW (8% G, 10% O, 50% W & 32% M)**

**60' SOMCW (4% O, 91% W & 5% M)**

**Sampler: 100 ml Gas, 1100 ml O & 800 ml W @ 85 psi**

**Chlorides recovery: 30,000 ppm**

**SIP: 944-911; FP: 24-108, 114-187; HP: 2148-2131; BHT: 134**

---

**DST #4: 4522' - 4540' (Basal Johnson)**

**30" - 60" - 60" - 90"**

**IF: Blow building to 5 inches**

**ISI: Return blow surface blow**

**FF: Blow building to BOB in 60 minutes**

**FSI: Return blow building to 1.5 inches**

**RECOVERY: 300' GIP & 190' Total Fluid, consisting of:**

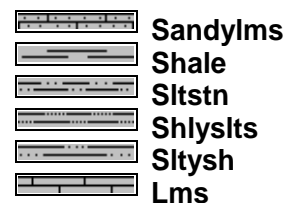
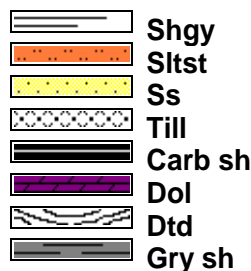
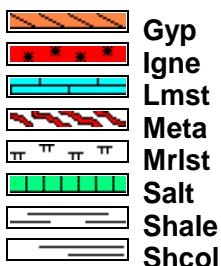
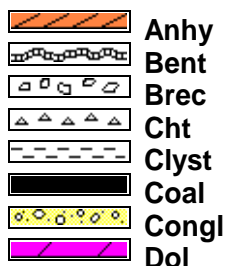
**130' CGO (35% G & 65% O); Gravity 27 API**

**60' GOCM (25% G, 15% O & 60% M)**

**Sampler: 400 ml Gas, 1600 ml Oil @ ? psi**

**SIP: 1098-1067; FP: 29-60, 62-96; HP: 2275-2164; BHT: 131**

## ROCK TYPES

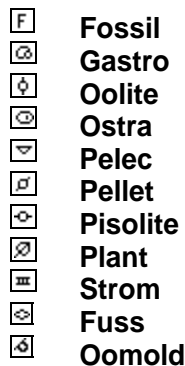
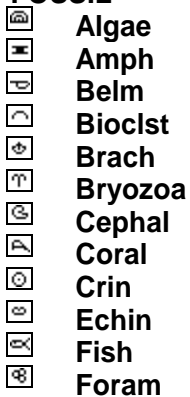


## ACCESSORIES

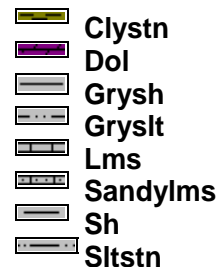
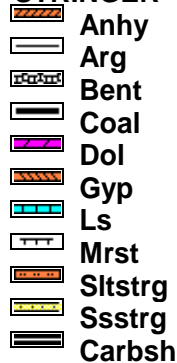
### MINERAL



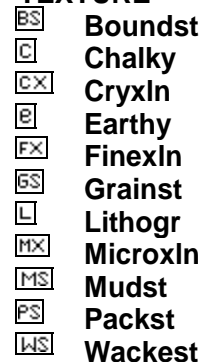
### FOSSIL



### STRINGER

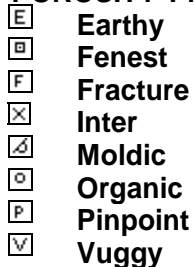


### TEXTURE



## OTHER SYMBOLS

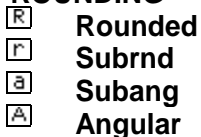
### POROSITY TYPE



### SORTING



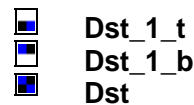
### ROUNDING



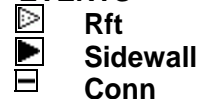
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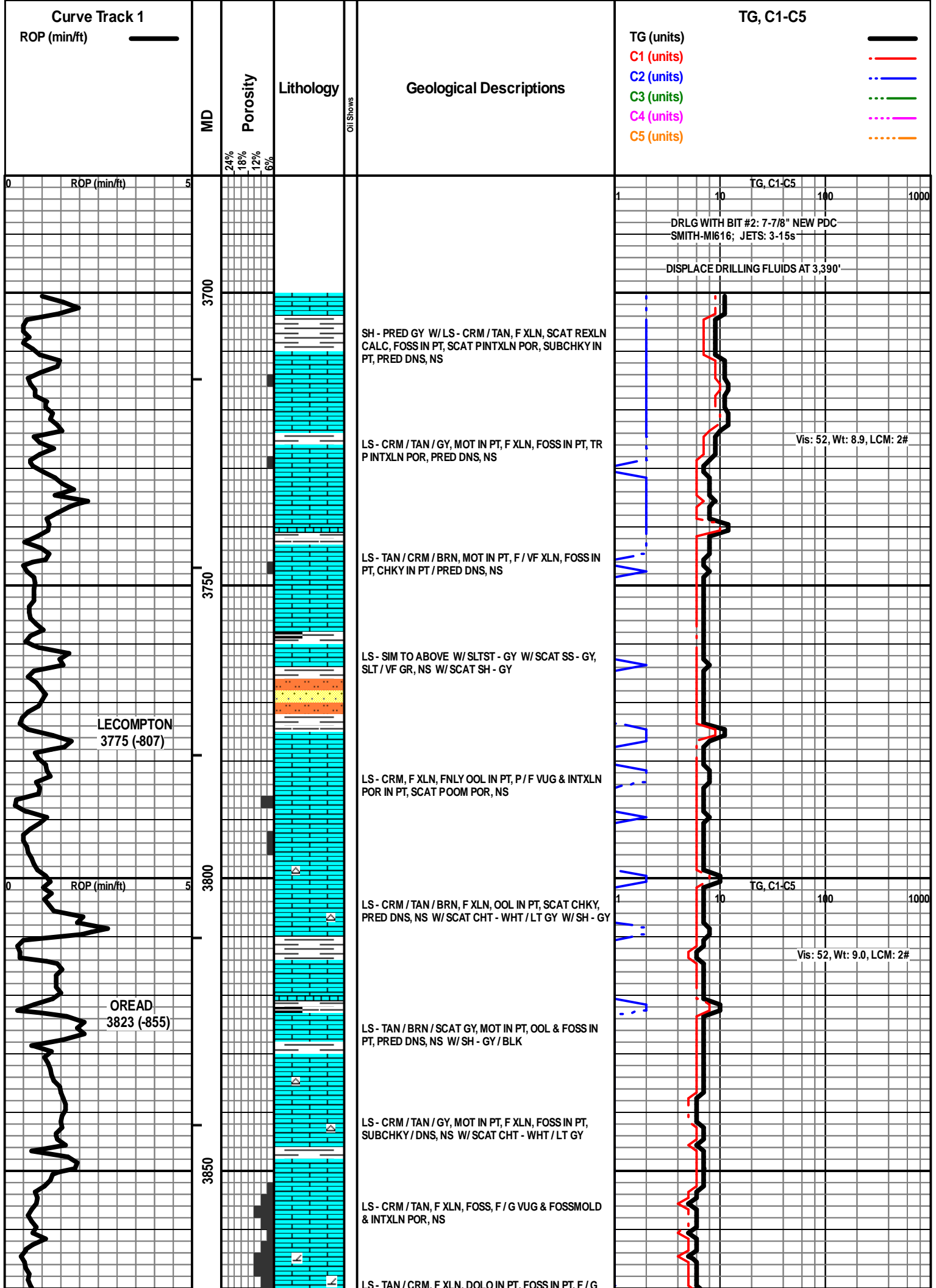


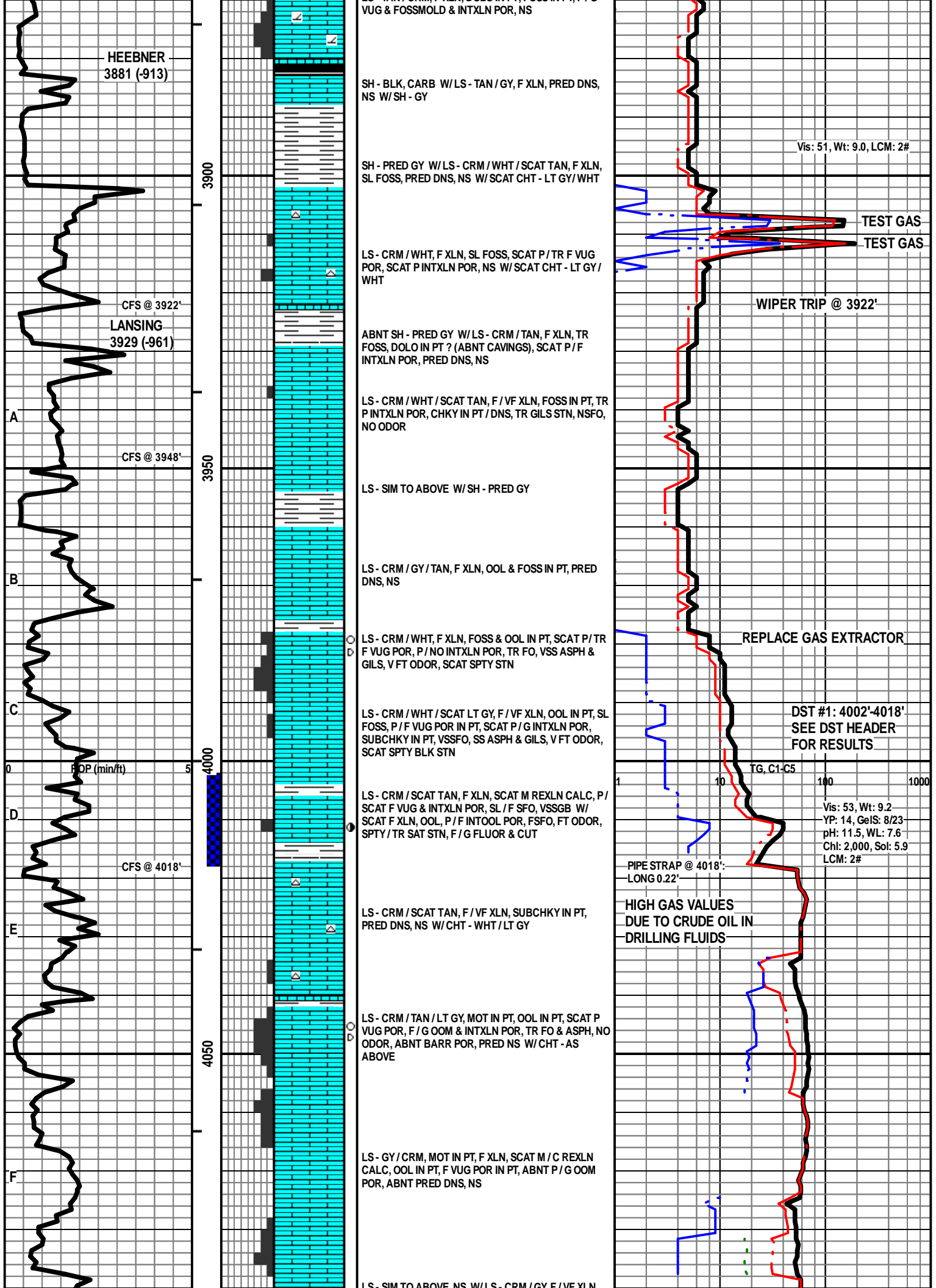
### INTERVALS



### EVENTS







VUG & FOSSMOLD & INTXLN POR, NS

HEEBNER  
3881 (-913)

SH - BLK, CARB W/LS - TAN / GY, F XLN, PRED DNS,  
NS W/SH - GY

Vis: 51, Wt: 9.0, LCM: 2#

3900

SH - PRED GY W/LS - CRM / WHT / SCAT TAN, F XLN,  
SL FOSS, PRED DNS, NS W/SCAT CHT - LT GY/ WHT

TEST GAS

TEST GAS

CFS @ 3922'

LANSING  
3929 (-961)

LS - CRM / WHT, F XLN, SL FOSS, SCAT P / TR F VUG  
POR, SCAT P INTXLN POR, NS W/SCAT CHT - LT GY/  
WHT

WIPER TRIP @ 3922'

ABNT SH - PRED GY W/LS - CRM / TAN, F XLN, TR  
FOSS, DOLO IN PT ? (ABNT CAVINGS), SCAT P / F  
INTXLN POR, PRED DNS, NS

LS - CRM / WHT / SCAT TAN, F / VF XLN, FOSS IN PT, TR  
P INTXLN POR, CHKY IN PT / DNS, TR GILS STN, NSFO,  
NO ODOR

CFS @ 3948'

3950

LS - SIM TO ABOVE W/SH - PRED GY

LS - CRM / GY / TAN, F XLN, OOL & FOSS IN PT, PRED  
DNS, NS

REPLACE GAS EXTRACTOR

LS - CRM / WHT, F XLN, FOSS & OOL IN PT, SCAT P / TR  
F VUG POR, P / NO INTXLN POR, TR FO, VSS ASPH &  
GILS, V FT ODOR, SCAT SPTY STN

DST #1: 4002'-4018'  
SEE DST HEADER  
FOR RESULTS

LS - CRM / WHT / SCAT LT GY, F / VF XLN, OOL IN PT, SL  
FOSS, P / F VUG POR IN PT, SCAT P / G INTXLN POR,  
SUBCHKY IN PT, VSSFO, SS ASPH & GILS, V FT ODOR,  
SCAT SPTY BLK STN

FP (min/ft)

4000

LS - CRM / SCAT TAN, F XLN, SCAT M REXLN CALC, P /  
SCAT F VUG & INTXLN POR, SL / F SFO, VSSGB W /  
SCAT F XLN, OOL, P / F INTOOL POR, FSFO, FT ODOR,  
SPTY / TR SAT STN, F / G FLUOR & CUT

TG, C1-C5

Vis: 53, Wt: 9.2  
YP: 14, GelS: 8/23  
pH: 11.5, WL: 7.6  
Chl: 2,000, Sol: 5.9  
LCM: 2#

CFS @ 4018'

4000

PIPE STRAP @ 4018':  
LONG 0.22'

HIGH GAS VALUES  
DUE TO CRUDE OIL IN  
DRILLING FLUIDS

LS - CRM / SCAT TAN, F / VF XLN, SUBCHKY IN PT,  
PRED DNS, NS W/CHT - WHT / LT GY

4050

LS - CRM / TAN / LT GY, MOT IN PT, OOL IN PT, SCAT P  
VUG POR, F / G OOM & INTXLN POR, TR FO & ASPH, NO  
ODOR, ABNT BARR POR, PRED NS W/CHT - AS  
ABOVE

LS - GY / CRM, MOT IN PT, F XLN, SCAT M / C REXLN  
CALC, OOL IN PT, F VUG POR IN PT, ABNT P / G OOM  
POR, ABNT PRED DNS, NS

LS - SIM TO ABOVE NS W/LS - CRM / GY F / VF XLN

LS - SIM TO ABOVE, NS W/LS - CRM / GY, F / F XLN,  
SUBCHKY IN PT, PRED DNS, NS

SH - BLK / GY, CARB IN PT W/LS - TAN / BRN, MOT, F  
XLN, PRED DNS, NS W/CHT - WHT / GY / CRM

LS - CRM / TAN / GY, F XLN, FOSS IN PT, SCAT P INTXLN  
POR, PRED DNS, TR FO & ASPH, NO ODOR, TR SPTY  
BLK STN

LS - AS ABOVE, TR P VUG POR, NS W/LS - TAN / CRM,  
F XLN, PRED DNS, NS W/SH - GY / BLK, CARB IN PT

LS - TAN / BRN, MOT IN PT, F / VF XLN, SL FOSS, SCAT  
P INTXLN POR, PRED DNS, NS W/SH - PRED GY

LS - CRM / TAN, F XLN, SCAT REXLN CALC, SL FOSS,  
SCAT P INTXLN & PPT POR, SUBCHKY IN PT, VSSFO &  
ASPH, NO ODOR, SCAT SPTY STN, PRED DNS

LS - SIM TO ABOVE, DNS, NS W/LS - BRN / TAN, F XLN,  
DNS, NS W/SH - BLK / GY

LA - CRM / GY / TAN, MOT IN PT, F XLN, OOL, P / F  
INTXLN / INTPART POR, TR VUG POR, TR FO & ASPH,  
NO ODOR, TR SPTY STN

LS - CRM / TAN / GY, MOT IN PT, F XLN, SCAT OOL,  
CHKY IN PT, PRED DNS, NS W/SCAT CHT - LT GY

LS - PRED CRM / TAN, SCAT GY / BRN, MOT IN PT, F  
XLN, SCAT REXLN CALC, OOL IN PT, PRED DNS, NS W/  
ABNT SH - PRED GY

LS - CRM / TAN, F XLN, SCAT OOL & FOSS, SUBCHKY/  
DNS, NS

LS - SIM TO ABOVE, NS W/SH - PRED GY

LS - CRM / GY / TAN, PRED F XLN, F / M XLN IN PT, OOL  
IN PT, SCAT P / F INTXLN / INTPART POR, TR P PPT /  
VUG POR, FSFO, SSGB, FT ODOR, SCAT SPTY STN, F /  
G FLUOR & CUT

ABNT SLTST - LT / MED GY W/LS - GY / TAN / SCAT  
CRM, MOT IN PT, F XLN, SCAT FOSS & OOL, PRED DNS,  
NS W/SH - PRED GY

MUNCIE CK  
4101 (-1133)

STARK SH  
4196 (-1228)

CFS @ 4222'

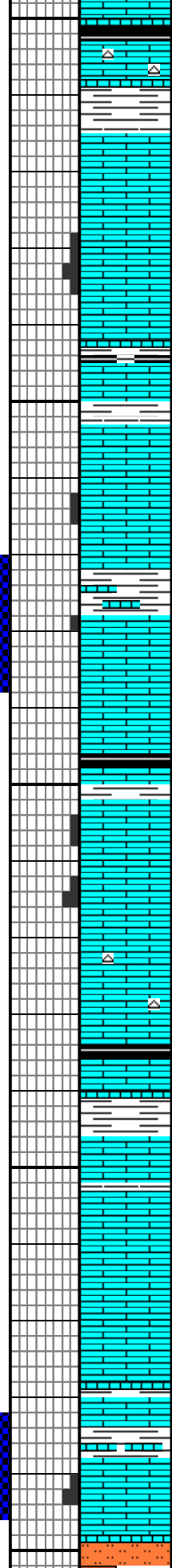
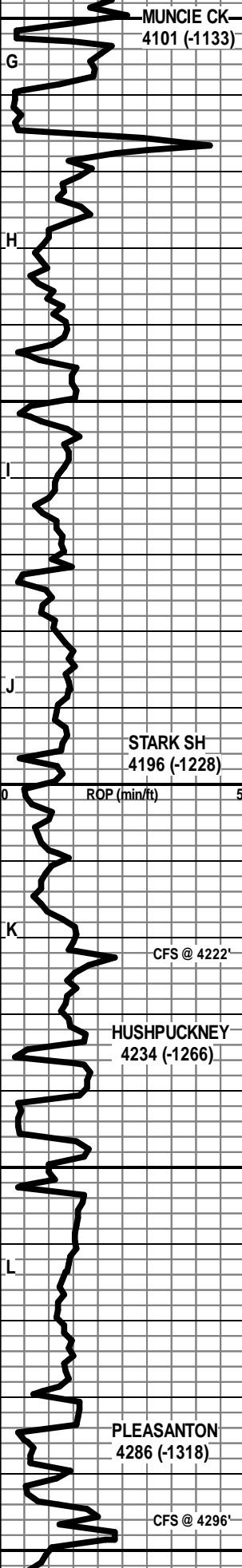
HUSHPUCKNEY  
4234 (-1266)

PLEASANTON  
4286 (-1318)

CFS @ 4296'

MARMATON

4100  
4150  
4200  
4250  
4300



Vis: 55, Wt: 9.2  
LCM: 1#

DST #2: 4170'-4188'  
SEE DST HEADER  
FOR RESULTS

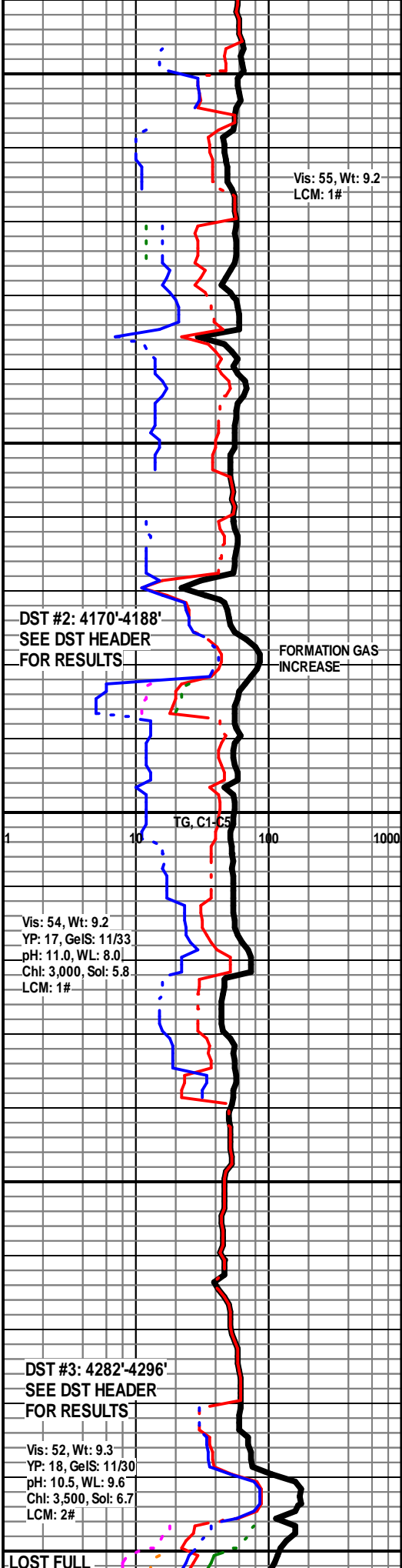
FORMATION GAS  
INCREASE

Vis: 54, Wt: 9.2  
YP: 17, GelS: 11/33  
pH: 11.0, WL: 8.0  
Chl: 3,000, Sol: 5.8  
LCM: 1#

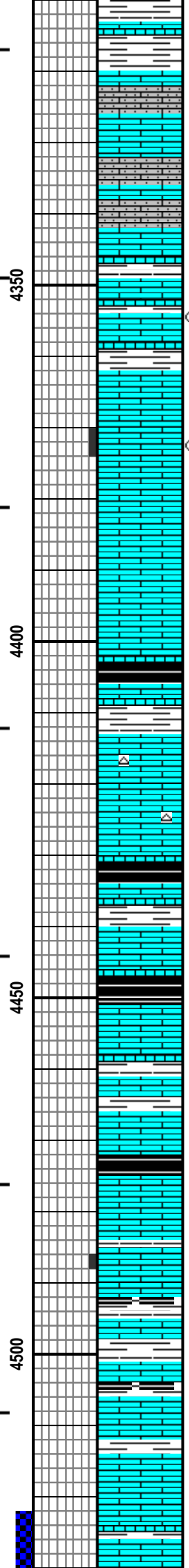
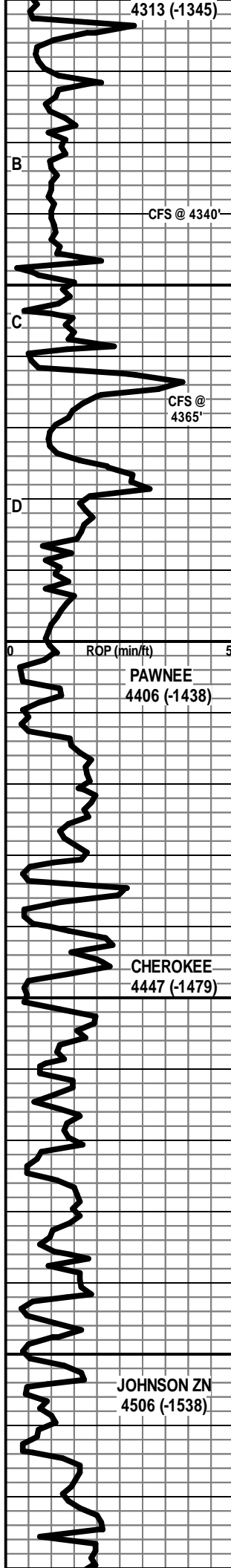
DST #3: 4282'-4296'  
SEE DST HEADER  
FOR RESULTS

Vis: 52, Wt: 9.3  
YP: 18, GelS: 11/30  
pH: 10.5, WL: 9.6  
Chl: 3,500, Sol: 6.7  
LCM: 2#

LOST FULL  
RETURNS 3 STANDS  
OFF BOTTOM  
W/HL E TIL WITH







ABNT SLTST & SS - LT / MED / DK GY / TAN, MOT IN PT, V CALC IN PT, SCAT LS FRAG, NS W/ SH - PRED GY W/ LS - TAN / GY, MOT IN PT, VAREN IN PT, SCAT OOL, PRED DNS, NS

LS- TAN / GY, MOT IN PT, F XLN, AREN IN PT, SCAT FOSS & OOL, PRED DNS, NS

LS- SIM TO ABOVE, NS W/ SH - PRED GY

LS - CRM / TAN, F XLN, OOL & FOSS IN PT, PRED DNS, FEW PCS P VUG POR, VP / NO INTXLN POR, VSSFO & ASPH, SOME BARR POR, NO ODOR, TR SPTY STN W/ SH - GY

LS - CRM / TAN / SCAT WHT, MOT IN PT, F / VF XLN, OOL IN PT, FEW PCS P INTOOL POR, VP / NO INTXLN POR, CHKY / PRED DNS, VSSFO & ASPH, NO ODOR, TR SPTY STN

LS - TAN / BRN, MOT IN PT, F XLN, SCAT FOSS, PRED DNS, NS

SH - BLK / GY, CARB IN PT W/ LS - CRM / TAN, VF / CRYPTO XLN, PRED DNS, NS W/ SCAT CHT - LT GY / CRM / WHT

LS - CRM / TAN / SCAT WHT, F / CRYPTO XLN, SUBCHKY IN PT, PRED DNS, NS W/ SCAT CHT - AS ABOVE W/ SH - BLK, CARB

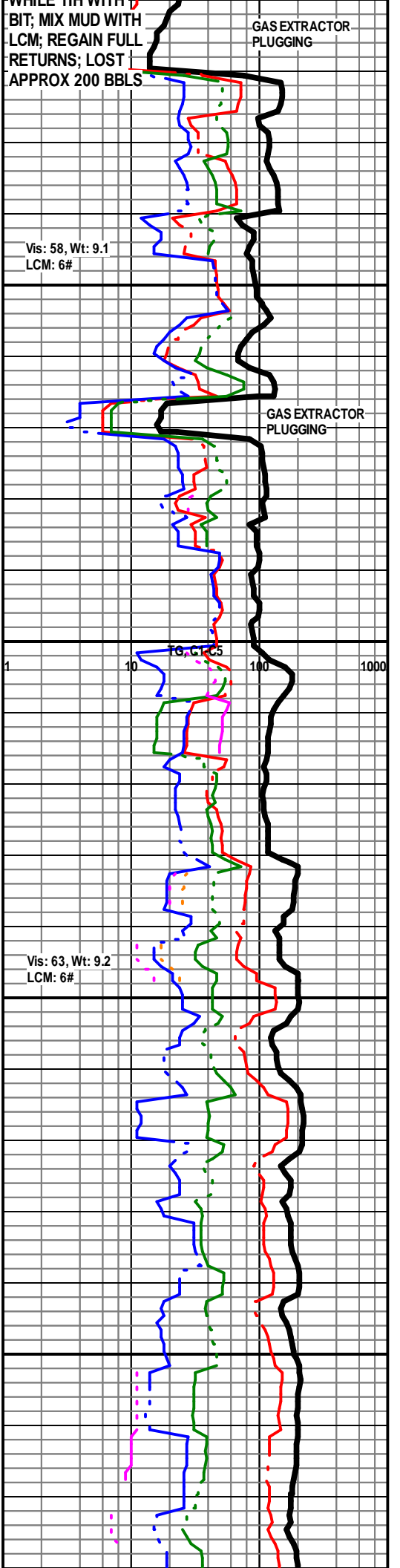
LS - GY / TAN / BRN, MOT IN PT, F XLN, OOL IN PT, SL FOSS, PRED DNS, NS W/ SH - BLK / GY, CARB IN PT

LS - CRM / TAN / BRN, MOT IN PT, F / VF XLN, SL FOSS, SUBCHKY IN PT, PRED DNS, NS W/ SH - GY / SCAT BLK

LS - TAN / GY / BRN / SCAT CRM, MOT IN PT, F XLN, SCAT REXLN CALC, SL FOSS, TR VP INTXLN POR, TR SPTY STN, NSFO, NO ODOR

LS - TAN / BRN / GY, MOT IN PT, F XLN, FOSS IN PT, PRED DNS, NS W/ SH - GY / BLK

LS - CRM / TAN / SCAT BRN, F XLN, FOSS IN PT, PRED DNS, TR SPTY STN, NSFO, NO ODOR, PRED NS



MORROW SH  
4540 (-1572)

CFS @ 4540'

MISS ST LOUIS  
4547 (-1579)

CFS @ 4554'

POP (min/ft)

MISS SPERGEN  
4624 (-1656)

4550

4600

4650

LS - CRM / TAN, F XLN, FOSS IN PT, SCAT OOL, SCAT P  
INTXLN POR, VSSFO, V FT ODOR, SCAT SPTY STN

SH - PRED GY W/SCAT SLTST - GY W/LS - CRM / TAN,  
F / VF XLN, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / TAN, F / CRYPTO XLN, SCAT SUBCHKY,  
PRED DNS, NS

LS - CRM / TAN, F / CRYPTO XLN, CHKY / SUBCHKY IN  
PT, PRED DNS, NS W/SCAT DOLO & DOLO LS - TAN /  
BRN, F XLN, DNS, NS

LS - CRM / TAN, F / CRYPTO XLN, CHKY / SUBCHKY IN  
PT, PRED DNS, NS W/SCAT DOLO & DOLO LS - TAN /  
BRN, F XLN, TR P PPT POR, PRED DNS, NS W/SCAT  
CHT - GY / WHT

LS - CRM / GY, F XLN, OOL IN PT, CHKY IN PT, PRED  
DNS, NS

LS - AS ABOVE W/DOLO - CRM / TAN / SCAT LT GY, F  
XLN, P / F INTXLN & PPT POR, TR GILS & ASPH, ABNT  
BARR POR, NO ODOR, TR SPTY BLK STN, PRED NS

TOTAL DEPTH 4630 (-1662)

DST #4: 4522'-4540'  
SEE DST HEADER  
FOR RESULTS

Vis: 67, Wt: 9.3  
YP: 19, GelS: 12/36  
pH: 10.5, WL: 7.2  
Chl: 3,700, Sol: 6.6  
LCM: 5#

Vis: 63, Wt: 9.2  
LCM: 4#

TC, C1-C5





**CEMENT TREATMENT REPORT**

Customer: Stelbar Oil	Well: Michaelis-Janssen Unit # 1-19	Ticket: WP 1728
City, State:	County: Scott KS	Date: 8/16/2021
Field Rep: Fennis Garduno	S-T-R: 19-18S-31W	Service: 8.625" surface

Hole Size:	12.25 in
Hole Depth:	302 ft
Casing Size:	8 5/8 in
Casing Depth:	301.7 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	18.0 bbls

Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	57.8 bbls
Total Sacks:	230 sx

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	TOTAL BBLs	REMARKS
3:45 PM				-	Journey management meeting
4:00 PM				-	Convoy to location
5:00 PM				-	Arrive on location / safety meeting
5:15 PM				-	Spot in / rig up equipment
6:55 PM		400.0		-	Rig land casing , had trouble circulating due to pipe being plugged , got un plugged , circulated bottoms up
7:15 PM	3.0	150.0	5.0	5.0	Hook cementing equipment to casing pump fresh water spacer
7:20 PM	5.5	350.0	57.8	62.8	Mix 230 sx H-325 @ 14.8 ppg
7:35 PM	5.0	250.0		62.8	Start fresh water displacement
7:45 PM	5.0	250.0	18.0	80.8	End displacement s/d shut in casing leaving 20' shoe
8:15 PM				80.8	Rig down , leave location
				80.8	Circulated 20 sx cement to surface

	CREW		UNIT	SUMMARY		
	Average Rate	Average Pressure		Total Fluid		
Cementor:	Fennis	78		4.6 bpm	280 psi	81 bbls
Pump Operator:	John	208				
Bulk #1:	Mike	242				
Bulk #2:						



<b>Customer</b> Stelbar Oil		<b>Lease &amp; Well #</b> Michaelis-Janssen Unit #1-19		<b>Date</b> 8/23/2021		
<b>Service District</b> Oakley KS		<b>County &amp; State</b> Scott KS		<b>Legals S/T/R</b> 19-18S-31W		
<b>Job Type</b> 5.5" DV		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		<b>New Well?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> No		
<b>Equipment #</b>		<b>Driver</b>		<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>		
78	Fennis	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging	
180/520	Mike	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection	
205	Trevino	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations	
242	Trevino	<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	
182/ 256	Rueban / Brydan	<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below		
<b>Comments</b>						
Muster point entrance of location. Person in charge of head count Fennis. Nearest hospital Scott City KS. Emergency # 911. Escape vehicle 78.						
<b>Product/ Service Code</b>						
<b>Description</b>		<b>Unit of Measure</b>	<b>Quantity</b>	<b>Net Amount</b>		
CP014	H-LD Cement Blend	sack	175.00		\$7,430.50	
CP025	H-Con	sack	350.00		\$6,468.00	
CP010	Class A Cement	sack	100.00		\$1,496.00	
CP100	Calcium Chloride	lb	188.00		\$124.08	
CP125	Pheno Seal	lb	25.00		\$38.50	
FE130	5 1/2" Cement Basket	ea	1.00		\$264.00	
FE135	5 1/2 Turbolizer	ea	15.00		\$1,056.00	
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00		\$330.00	
FE150	5 1/2" DV Tool - 2 Stage	ea	1.00		\$4,400.00	
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00		\$308.00	
FE375	Thread Lock Compound Kit	ea	1.00		\$66.00	
CP170	Mud Flush	gal	500.00		\$440.00	
M015	Light Equipment Mileage	mi	50.00		\$88.00	
M010	Heavy Equipment Mileage	mi	100.00		\$352.00	
M020	Ton Mileage	tm	1,470.00		\$1,940.40	
D015	Depth Charge: 4001'-5000'	job	1.00		\$2,200.00	
C050	Cement Plug Container	job	1.00		\$220.00	
C035	Cement Data Acquisition	job	1.00		\$220.00	
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>					<b>Net:</b>	\$27,441.48
<b>Based on this job, how likely is it you would recommend HSI to a colleague?</b>					<b>Total Taxable</b>	\$ -
<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"/>					<b>Tax Rate:</b>	
Unlikely 1    2    3    4    5    6    7    8    9    10    Extremely Likely					<b>Sale Tax:</b>	\$ -
					<b>Total:</b>	\$ 27,441.48
					<b>HSI Representative:</b> <i>Fennis Gardano</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**



**CEMENT TREATMENT REPORT**

Customer: Stelbar Oil	Well: Michaelis-Janssen Unit #1-19	Ticket: WP 1762
City, State:	County: Scott KS	Date: 8/23/2021
Field Rep: Fennis Garduno	S-T-R: 19-18S-31W	Service: 5.5" DV

Downhole Information	
Hole Size:	7.875 in
Hole Depth:	4630 ft
Casing Size:	5 1/2 in
Casing Depth:	4604 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	DV
Tool Depth:	2313 ft
Displacement:	108.5 bbls

Calculated Slurry - Lead	
Blend:	H-LD Blend
Weight:	14.8 ppg
Water / Sx:	6.5 gal / sx
Yield:	1.51 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	47.0 bbls
Total Sacks:	175 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
				-		1ST STAGE
11:45 AM				-		Journey management meeting
12:00 PM				-		Convoy to location
12:45 PM				-		Arrive on location / safety meeting
12:50 PM				-		Spot in rig up equipment
				-		Total pipe ran = 4604' Shoe - 42.06' DV tool @jt 55 = 2313' Turbolizers jts - 1-15 Basket jt 54
1:45 PM				-		Rig start running casing
2:50 PM		300.0		-		Circulate @ jt 53
6:30 PM		600.0		-		Rig land casing / drop ball blow seat / rig circulate
5:30 PM	5.0	220.0	12.0		12.0	Hook cementing equipment to casing pump 500 gal mud flush
5:34 PM	5.0	220.0	5.0		17.0	Pump fresh water spacer
5:40 PM	6.0	200.0	47.0			Mix 175 sx H-LD blend @ 14.8 ppg
5:55 PM						S/D wash pumps & lines
6:00 PM	7.5	100.0				Drop latch down plug start displacement with fresh water
6:05 PM	4.0	100.0	45.0			Slow to allow plug to pass through dv tool
6:10 PM	7.5	100.0	50.0			Swap to WBM displacement
6:15 PM	7.5	300.0	74.0			Saw lift pressure
6:18 PM	3.0	560.0	98.0			Slow to land plug
6:22 PM	3.0	1,700.0	108.5			Land plug 1000 psi over last circulation pressure of 700 psi
6:25 PM						Check floats , floats held got .75 bbl back
6:30 PM						Drop opening tool
7:00 PM	2.0	800.0	10.0			Open dv tool , shifted open @ 800 psi , circulated wbm to ensure well circulated
7:05 PM						Swap to rig , rig circulate for 4 hours

CREW		UNIT	SUMMARY		
Cementer:	Fennis	78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Mike	180/520	5.1 bpm	433 psi	450 bbls
Bulk #1:	Trevino	205			
Bulk #2:	Trevino	242			



**CEMENT TREATMENT REPORT**

Customer: Stelbar Oil	Well: Michaelis-Janssen Unit #1-19	Ticket: WP 1762
City, State:	County: Scott KS	Date: 8/23/2021
Field Rep:	S-T-R: 19-18S-31W	Service: 5.5" DV

Downhole Information	
Hole Size:	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-con
Weight:	12.0 ppg
Water / Sx:	15.5 gal / sx
Yield:	2.56 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	160.0 bbls
Total Sacks:	350 sx

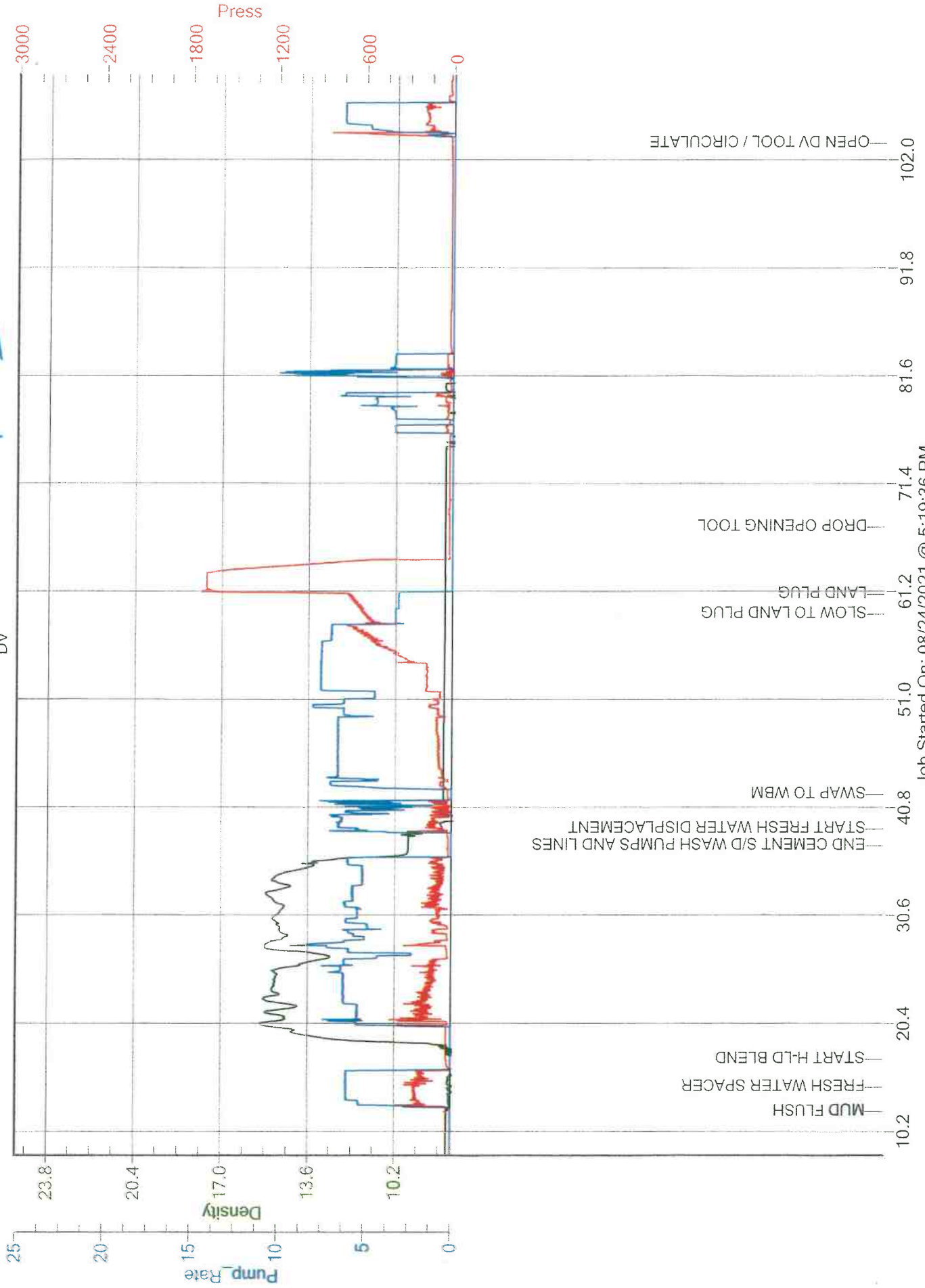
Calculated Slurry - Tail	
Blend:	Class A 2% cc .25 pps pheno seal
Weight:	15.6 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.20 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	22.0 bbls
Total Sacks:	100 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
			-	-	2ND STAGE
11:05 PM	6.0	160.0	10.0	10.0	Hook cementing equipment to casing , pump fresh water spacer
11:08 PM	3.0	80.0	9.0	19.0	Plug rat hole with 20sx H-Con
11:13 PM	8.0	200.0	150.4	169.4	Mix 330 sx H-Con @ 12 ppg
11:33 PM	7.0	220.0	22.0	191.4	Mix 100 sx Class A 2% cc .25 pps Pheno seal @ 15.6 ppg
11:37 AM				191.4	S/D wash pumps & lines
11:45 PM	7.0	80.0		191.4	Start fresh water displacement
11:48 AM	7.0	300.0	10.0	201.4	See lift pressure
11:53 PM	3.0	700.0	45.0	246.4	Slow to land plug
11:56 PM	3.0	1,700.0	55.0	301.4	Land plug , pressure up 1000 psi over last circulation pressure of 700 psi to close dv tool
11:58 PM				301.4	Check to see if dv tool closed , closed , got .5 bbl back
12:30 AM				301.4	Rig down , leave location
				301.4	
				301.4	CIRCULATED 30 BBLs / 66 SX H-CON TO SURFACE
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CREW		UNIT	SUMMARY		
Cementer:	Fennis	78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Mike	180/520	5.5 bpm	430.0 psi	301 bbls
Bulk #1:	Trevino	205			
Bulk #2:	Trevino	242			

Stelbar Stage 1

WP1762

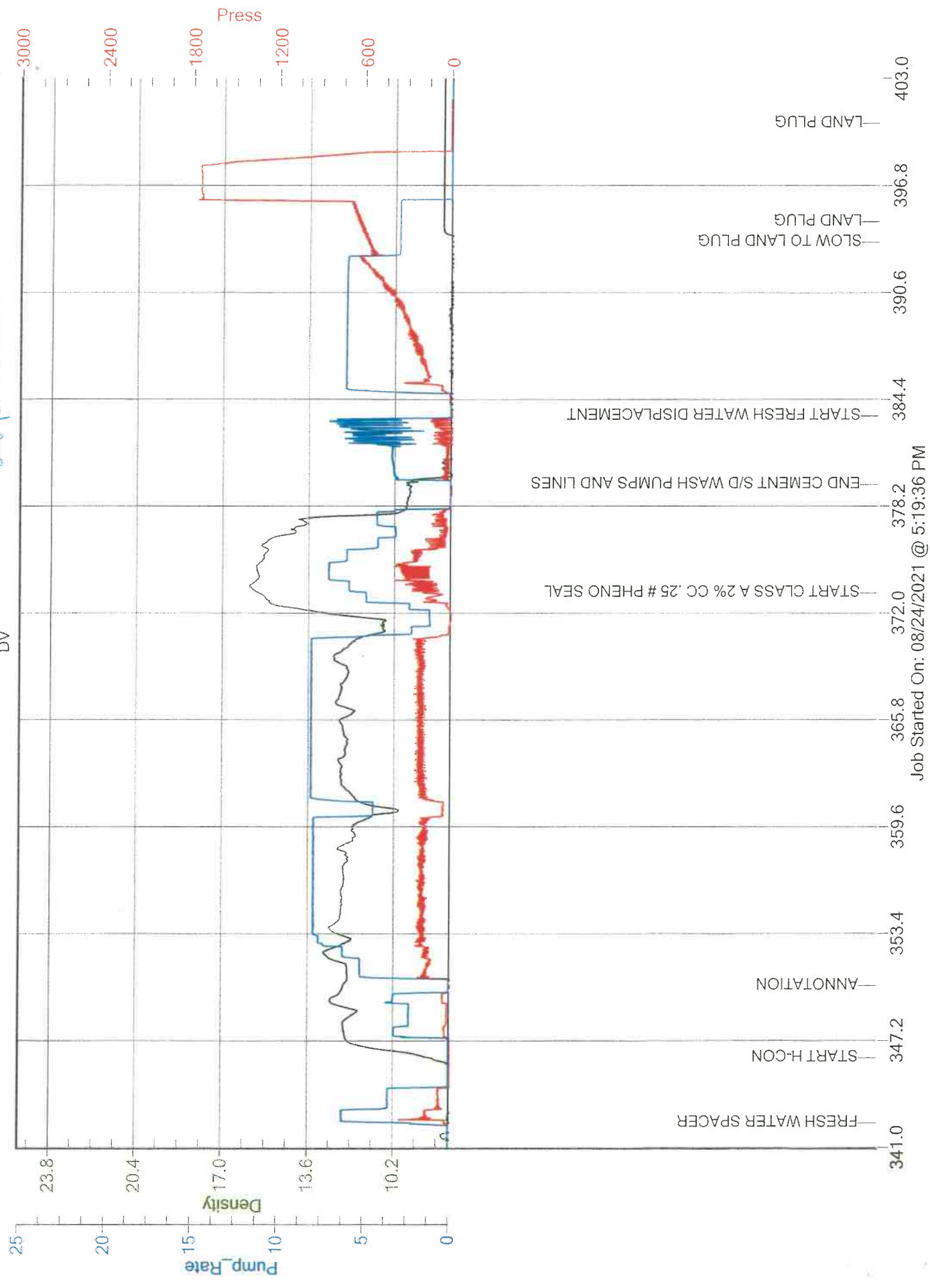


Job Started On: 08/24/2021 @ 5:19:36 PM



# Stelbar Stage 2

WP 1762



Job Started On: 08/24/2021 @ 5:19:36 PM