

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Becker Oil Corporation
Well Name	BUCKNER 1
Doc ID	1754955

Tops

Name	Top	Datum
Stone Corral Anhydrite	1650	(+759)
Herrington	2522	(-113)
Krider	2552	(-143)
Winfield	2608	(-199)
Towanda	2670	(-261)
Ft. Riley	2731	(-322)
Florence	2779	(-370)
Wreford	2823	(-414)
TD	2890	(-481)



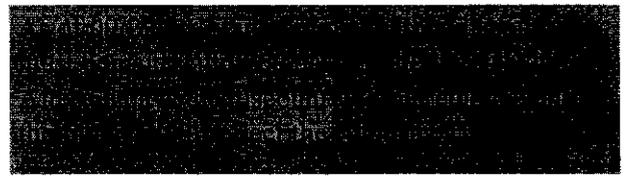
Quasar Energy Services, Inc.  
 3288 FM 51  
 Gainesville, TX 76240

# Invoice

9208

Date	Invoice #
11/6/2023	153351

Bill To
Becker Oil Corp PO Box 1150 Ponca City, OK 74602



Well

Buckner 1

Description	Quantity	Rate	Amount
Mileage-Pickup	110	5.58	613.80
Mileage-Equipment Mileage	120	8.72	1,046.40
Pumping Service Charge 1	1	2,315.25	2,315.25
Cement-Class A (LB)	150	21.54	3,231.00
C-41L Defoamer Liquid	2	48.63	97.26
Calcium Chloride	300	1.53	459.00
Cello Flakes	35	2.78	97.30
Sodium Metasilicate(SMS)C-45	150	2.44	366.00
Subtotal			8,226.01
Discount - 10%		-10.00%	-822.60

<b>Total</b>	\$7,403.41
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$7,403.41

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.





Quasar Energy Services, Inc.  
 3288 FM 51  
 Gainesville, TX 76240

# Invoice

Date	Invoice #
11/10/2023	153473

<b>Bill To</b>
Becker Oil Corp PO Box 1150 Ponca City, OK 74602



<b>Well</b>
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<b>Buckner 1</b>
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Description	Quantity	Rate	Amount
Mileage-Pickup	110	5.58	613.80
Mileage-Acid	330	8.72	2,877.60
Pumping Service Charge -2	1	3,307.50	3,307.50
Plug Container	1	347.29	347.29
Cement-Class A (LB)	150	21.54	3,231.00
Cement-Lite-A(LB)	650	21.54	14,001.00
Auto Fill Shoe (Blue) 4 1/2"	1	416.75	416.75
Latch Down Plug & Baffle 4 1/2"	1	764.03	764.03
Centralizers 4 1/2"	5	69.46	347.30
C-17 Fluid Loss	56	12.35	691.60
C-41L Defoamer Liquid	8	48.63	389.04
Cello Flakes	177	2.78	492.06
Tactical Blitz	300	2.63	789.00
Gel (Bentonite)	300	0.36	108.00
Gypsum	850	1.05	892.50
Salt	2,750	0.53	1,457.50
Subtotal			30,725.97
Discount -20%		-20.00%	-6,145.19

<b>Total</b>	<b>\$24,580.78</b>
<b>Payments/Credits</b>	<b>\$0.00</b>
<b>Balance Due</b>	<b>\$24,580.78</b>

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.







## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

P.O. Box 1150  
Ponca City, OK 74602

ATTN: Clyde Becker

### **Buckner #1**

#### **17-22-23 Hodgeman,KS**

Start Date: 2023.11.02 @ 11:00:00

End Date: 2023.11.02 @ 17:47:09

Job Ticket #: 70028                      DST #: 1

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

Printed: 2023.11.07 @ 16:31:13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
P.O. Box 1150  
Ponca City, OK 74602  
ATTN: Clyde Becker

**17-22-23 Hodgeman, KS**

**Buckner #1**

Job Ticket: 70028

**DST#: 1**

Test Start: 2023.11.02 @ 11:00:00

## GENERAL INFORMATION:

Formation: **Krider/Winfield**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:49:50  
 Time Test Ended: 17:47:09  
 Interval: **2525.00 ft (KB) To 2601.00 ft (KB) (TVD)**  
 Total Depth: 2601.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 2408.00 ft (KB)  
 2395.00 ft (CF)  
 KB to GR/CF: 13.00 ft

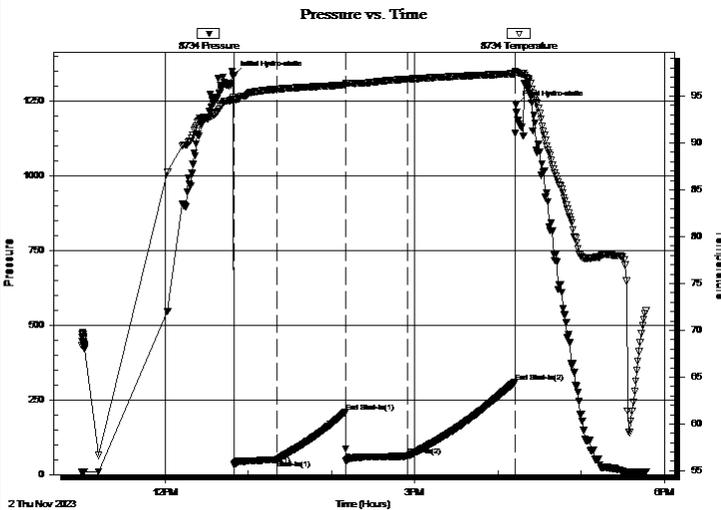
**Serial #: 8734**

**Outside**

Press@RunDepth: 61.68 psig @ 2526.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2023.11.02 End Date: 2023.11.02 Last Calib.: 2023.11.02  
 Start Time: 11:00:01 End Time: 17:47:10 Time On Btm: 2023.11.02 @ 12:49:30  
 Time Off Btm: 2023.11.02 @ 16:13:00

TEST COMMENT: 30-ISI- Blow built to 6"  
 50-ISI-No return  
 45-FSI-Blow built to 4 1/2" & decreased to 2 3/4"  
 75-FSI-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1334.87	94.92	Initial Hydro-static
1	32.69	94.55	Open To Flow (1)
32	49.96	95.75	Shut-In(1)
81	208.49	96.20	End Shut-In(1)
81	45.70	96.32	Open To Flow (2)
126	61.68	96.82	Shut-In(2)
203	308.73	97.40	End Shut-In(2)
204	1237.23	97.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	GM 20%G, 80%M	0.39

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70028

**DST#: 1**

ATTN: Clyde Becker

Test Start: 2023.11.02 @ 11:00:00

## Tool Information

Drill Pipe:	Length: 2335.00 ft	Diameter: 3.80 inches	Volume: 32.75 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 33.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	2525.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Pushed through 5' of fill, Tool opened on bottom

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2493.00	
Shut In Tool	5.00			2498.00	
Hydraulic tool	5.00	1113		2503.00	
Jars	5.00	01-07		2508.00	
EM Tool	5.00			2513.00	
Safety Joint	3.00	-001		2516.00	
Packer	5.00			2521.00	33.00 Bottom Of Top Packer
Packer	4.00			2525.00	
Stubb	1.00			2526.00	
Recorder	0.00	8959	Inside	2526.00	
Recorder	0.00	8734	Outside	2526.00	
Perforations	6.00			2532.00	
Change Over Sub	1.00			2533.00	
Drill Pipe	62.00			2595.00	
Change Over Sub	1.00			2596.00	
Bullnose	5.00			2601.00	76.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>109.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70028

**DST#: 1**

ATTN: Clyde Becker

Test Start: 2023.11.02 @ 11:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 66900.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	GM 20%G, 80%M	0.393

Total Length: 80.00 ft      Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

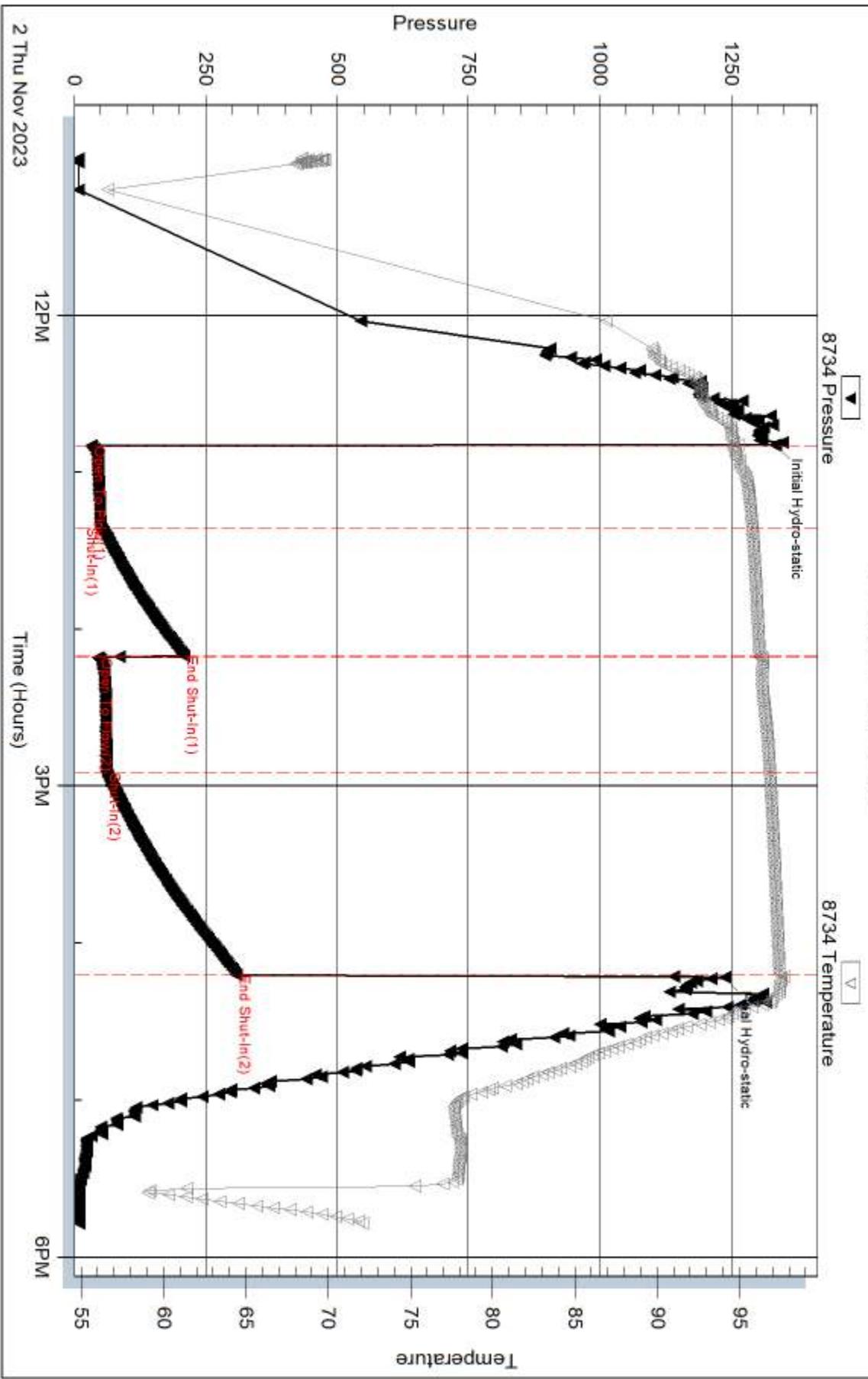
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



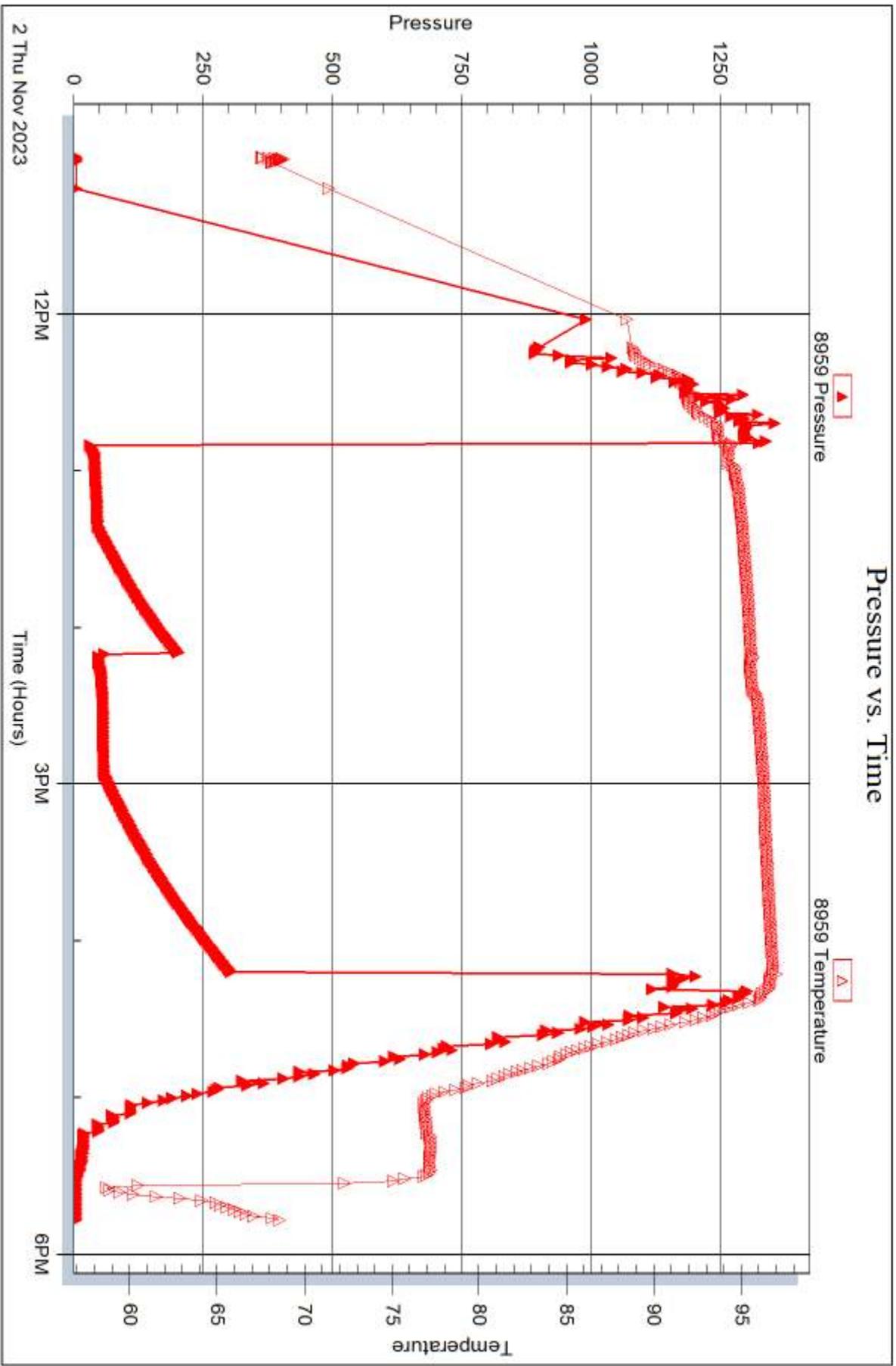
Serial #: 8959

Inside

Becker Oil Corporation

Buckner #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70028

Printed: 2023.11.07 @ 16:31:14



## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

P.O. Box 1150  
Ponca City, OK 74602

ATTN: Clyde Becker

### **Buckner #1**

### **17-22-23 Hodgeman,KS**

Start Date: 2023.11.03 @ 02:50:00

End Date: 2023.11.03 @ 09:24:20

Job Ticket #: 70029                      DST #: 2

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

Printed: 2023.11.07 @ 16:27:03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
P.O. Box 1150  
Ponca City, OK 74602  
ATTN: Clyde Becker

**17-22-23 Hodgeman, KS**

**Buckner #1**

Job Ticket: 70029      **DST#: 2**  
Test Start: 2023.11.03 @ 02:50:00

## GENERAL INFORMATION:

Formation: **Lower Winfield/Towan**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:28:00

Time Test Ended: 09:24:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

**Interval: 2610.00 ft (KB) To 2727.00 ft (KB) (TVD)**

Reference Elevations: 2408.00 ft (KB)

Total Depth: 2727.00 ft (KB) (TVD)

2395.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 8734      Outside**

Press@RunDepth: 76.28 psig @ 2611.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.11.03

End Date: 2023.11.03

Last Calib.: 2023.11.03

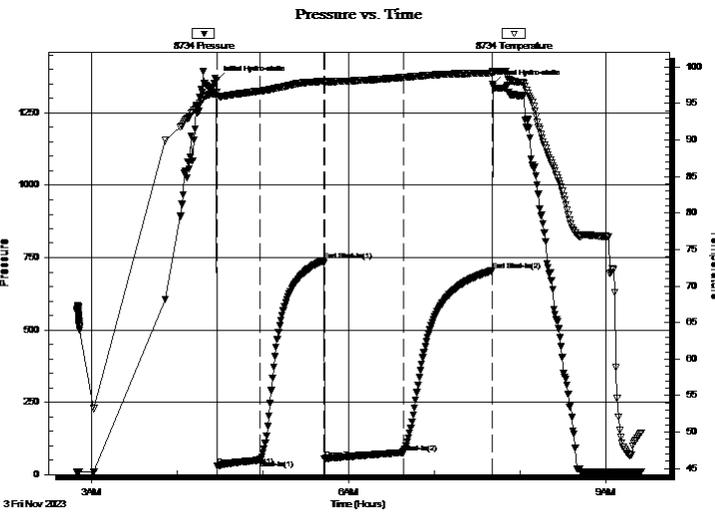
Start Time: 02:50:01

End Time: 09:24:20

Time On Btm: 2023.11.03 @ 04:27:50

Time Off Btm: 2023.11.03 @ 07:40:50

**TEST COMMENT:** 30-IF-Blow built to 1 3/4"  
45-ISI-No return  
45-FF-Blow built to 1/4"  
70-FSI-No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1362.73	96.47	Initial Hydro-static
1	29.50	95.90	Open To Flow (1)
31	50.13	96.69	Shut-In(1)
75	739.91	98.04	End Shut-In(1)
76	54.97	97.86	Open To Flow (2)
131	76.28	98.56	Shut-In(2)
193	704.97	99.19	End Shut-In(2)
194	1349.72	99.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	GM 5%G, 95%M	0.34
0.00	Oil spots in tool	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**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70029

**DST#: 2**

ATTN: Clyde Becker

Test Start: 2023.11.03 @ 02:50:00

## Tool Information

Drill Pipe:	Length: 2430.00 ft	Diameter: 3.80 inches	Volume: 34.09 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 34.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2610.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	117.00 ft			
Tool Length:	150.00 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			2578.00	
Shut In Tool	5.00			2583.00	
Hydraulic tool	5.00	1113		2588.00	
Jars	5.00	01-07		2593.00	
EM Tool	5.00			2598.00	
Safety Joint	3.00	-001		2601.00	
Packer	5.00			2606.00	33.00 Bottom Of Top Packer
Packer	4.00			2610.00	
Stubb	1.00			2611.00	
Recorder	0.00	8959	Inside	2611.00	
Recorder	0.00	8734	Outside	2611.00	
Perforations	16.00			2627.00	
Change Over Sub	1.00			2628.00	
Drill Pipe	93.00			2721.00	
Change Over Sub	1.00			2722.00	
Bullnose	5.00			2727.00	117.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>150.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70029

**DST#: 2**

ATTN: Clyde Becker

Test Start: 2023.11.03 @ 02:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 66900.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GM 5%G, 95%M	0.344
0.00	Oil spots in tool	0.000

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

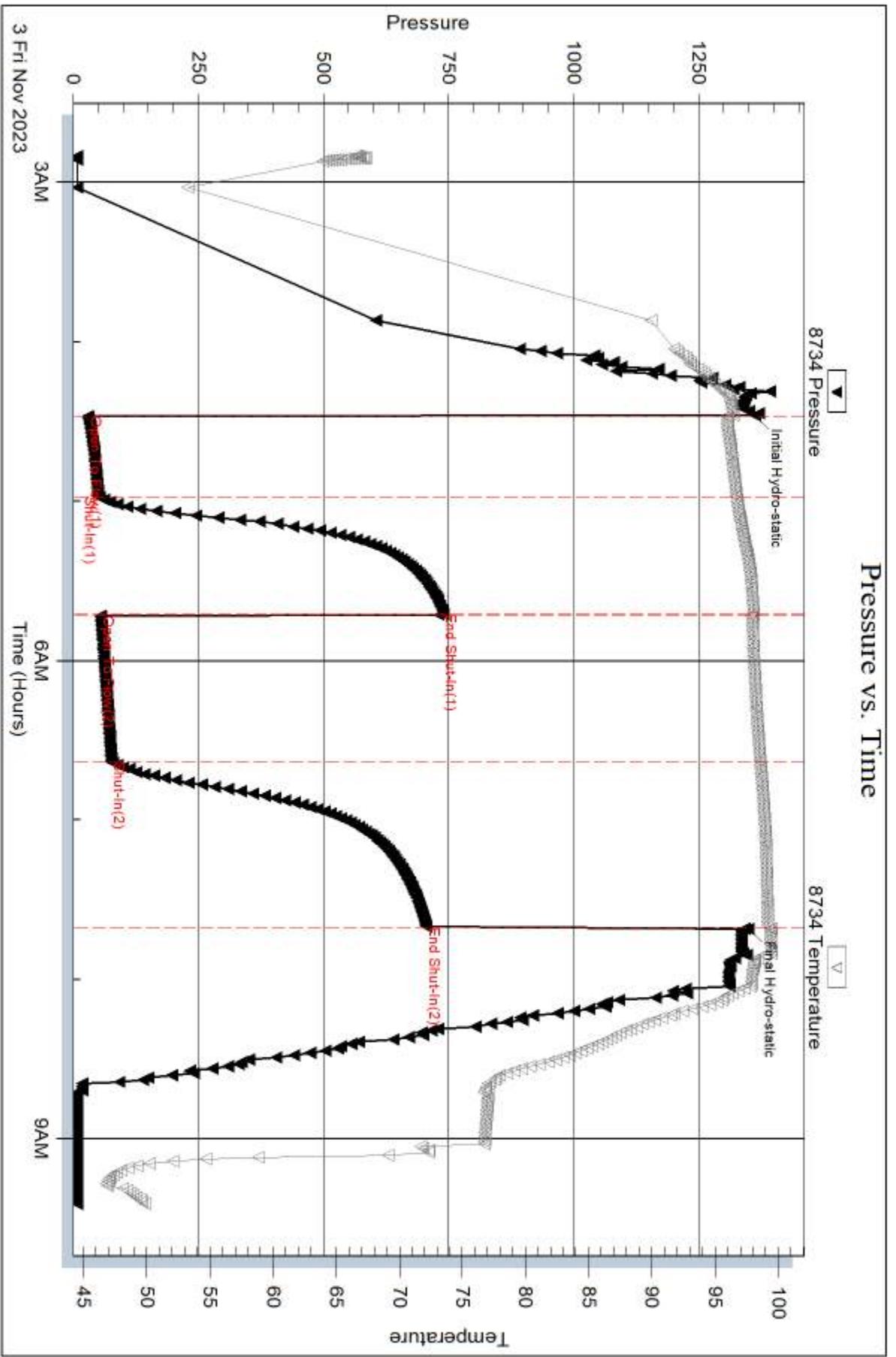
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



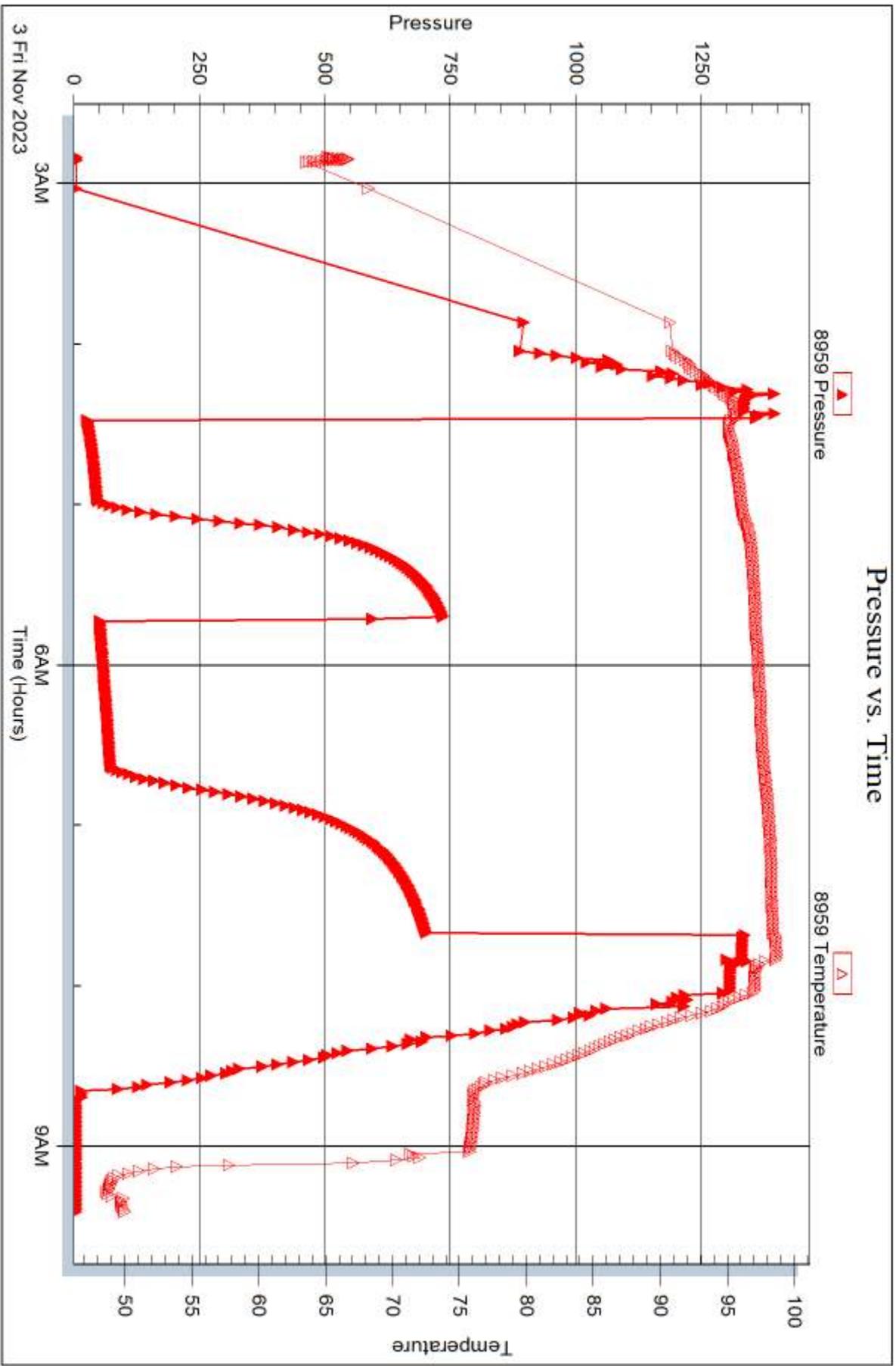
Serial #: 8959

Inside

Becker Oil Corporation

Buckner #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 70029

Printed: 2023.11.07 @ 16:27:03



## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

P.O. Box 1150  
Ponca City, OK 74602

ATTN: Clyde Becker

### **Buckner #1**

#### **17-22-23 Hodgeman,KS**

Start Date: 2023.11.03 @ 13:41:00

End Date: 2023.11.03 @ 19:46:30

Job Ticket #: 70030                      DST #: 3

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

Printed: 2023.11.07 @ 17:24:34







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70030

**DST#: 3**

ATTN: Clyde Becker

Test Start: 2023.11.03 @ 13:41:00

## Tool Information

Drill Pipe:	Length: 2522.00 ft	Diameter: 3.80 inches	Volume: 35.38 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 36.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2732.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: G.T.S @ 25 mins into FFP, Set choke to 1/4" @ 30 mins & left for the remainder of FFP

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2700.00	
Shut In Tool	5.00			2705.00	
Hydraulic tool	5.00	1113		2710.00	
Jars	5.00	01-07		2715.00	
EM Tool	5.00			2720.00	
Safety Joint	3.00	-001		2723.00	
Packer	5.00			2728.00	33.00 Bottom Of Top Packer
Packer	4.00			2732.00	
Stubb	1.00			2733.00	
Recorder	0.00	8959	Inside	2733.00	
Recorder	0.00	8734	Outside	2733.00	
Perforations	18.00			2751.00	
Bullnose	5.00			2756.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70030

**DST#: 3**

ATTN: Clyde Becker

Test Start: 2023.11.03 @ 13:41:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 38.00 sec/qt

Cushion Volume:

bbf

Water Loss: 13.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 58800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
65.00	GM 15%G, 85%M	0.320

Total Length: 65.00 ft      Total Volume: 0.320 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Becker Oil Corporation

**17-22-23 Hodgeman, KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70030

**DST#: 3**

ATTN: Clyde Becker

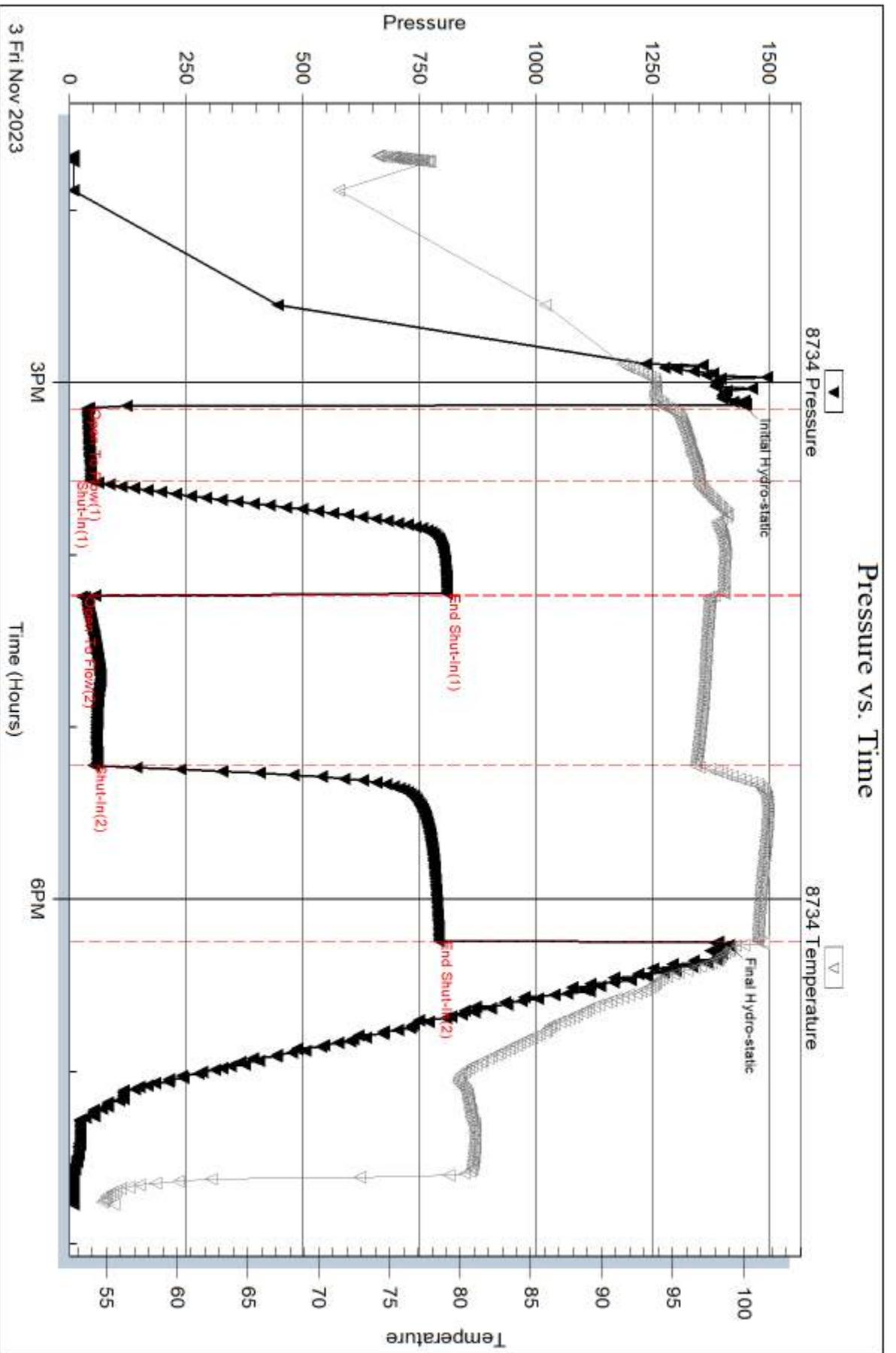
Test Start: 2023.11.03 @ 13:41:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.25	20.00	54.57
2	40	0.25	12.27	42.31
2	50	0.25	10.32	39.22
2	60	0.25	11.56	41.18
2	60	0.25	11.56	41.18



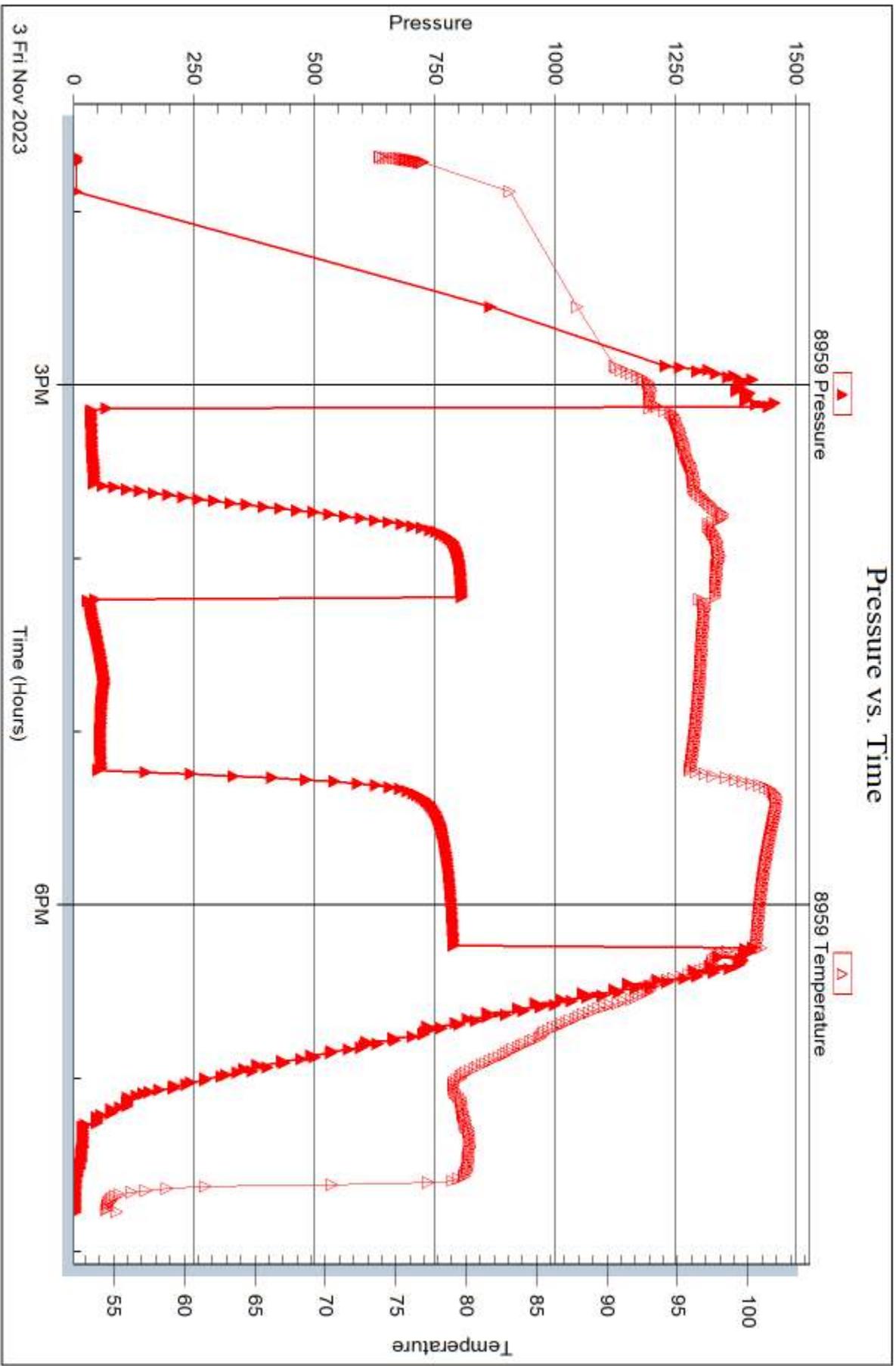
Serial #: 8959

Inside

Becker Oil Corporation

Buckner #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 70030

Printed: 2023.11.07 @ 17:24:35



## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

P.O. Box 1150  
Ponca City, OK 74602

ATTN: Clyde Becker

### **Buckner #1**

#### **17-22-23 Hodgeman,KS**

Start Date: 2023.11.04 @ 01:20:00

End Date: 2023.11.04 @ 06:08:00

Job Ticket #: 70031                      DST #: 4

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

Printed: 2023.11.07 @ 16:21:13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
P.O. Box 1150  
Ponca City, OK 74602  
ATTN: Clyde Becker

**17-22-23 Hodgeman, KS**

**Buckner #1**

Job Ticket: 70031      **DST#: 4**  
Test Start: 2023.11.04 @ 01:20:00

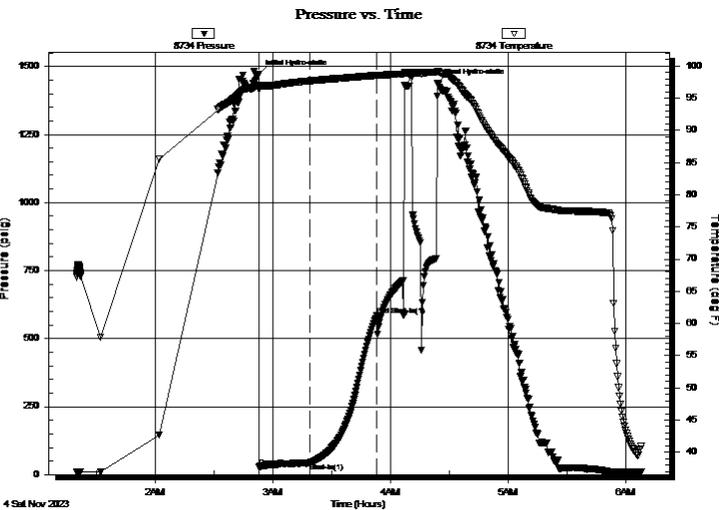
## GENERAL INFORMATION:

Formation: **Florence**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 02:53:10  
Time Test Ended: 06:08:00  
Interval: **2764.00 ft (KB) To 2800.00 ft (KB) (TVD)**  
Total Depth: 2800.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2408.00 ft (KB)  
2395.00 ft (CF)  
KB to GR/CF: 13.00 ft

**Serial #: 8734      Outside**

Press@RunDepth: 44.42 psig @ 2765.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2023.11.04      End Date: 2023.11.04      Last Calib.: 2023.11.04  
Start Time: 01:20:01      End Time: 06:08:00      Time On Btm: 2023.11.04 @ 02:53:00  
Time Off Btm: 2023.11.04 @ 04:24:20

TEST COMMENT: 25-IF-Blow built to 2 1/4"  
35-ISI-No return  
30-FF-No blow @ 10 mins, Flushed Tool, No blow , pull tools



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1471.82	96.93	Initial Hydro-static
1	29.47	96.45	Open To Flow (1)
27	44.42	97.70	Shut-In(1)
60	583.76	98.54	End Shut-In(1)
92	1438.95	99.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud	0.10
0.00	Oil spots in tool	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**

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70031

**DST#: 4**

ATTN: Clyde Becker

Test Start: 2023.11.04 @ 01:20:00

## Tool Information

Drill Pipe:	Length: 2554.00 ft	Diameter: 3.80 inches	Volume: 35.83 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 36.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2764.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	69.00 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			2732.00	
Shut In Tool	5.00			2737.00	
Hydraulic tool	5.00	1113		2742.00	
Jars	5.00	01-07		2747.00	
EM Tool	5.00			2752.00	
Safety Joint	3.00	-001		2755.00	
Packer	5.00			2760.00	33.00 Bottom Of Top Packer
Packer	4.00			2764.00	
Stubb	1.00			2765.00	
Recorder	0.00	8959	Inside	2765.00	
Recorder	0.00	8734	Outside	2765.00	
Perforations	30.00			2795.00	
Bullnose	5.00			2800.00	36.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Becker Oil Corporation

**17-22-23 Hodgeman,KS**

P.O. Box 1150  
Ponca City, OK 74602

**Buckner #1**

Job Ticket: 70031

**DST#: 4**

ATTN: Clyde Becker

Test Start: 2023.11.04 @ 01:20:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 38.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 58800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% Mud	0.098
0.00	Oil spots in tool	0.000

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

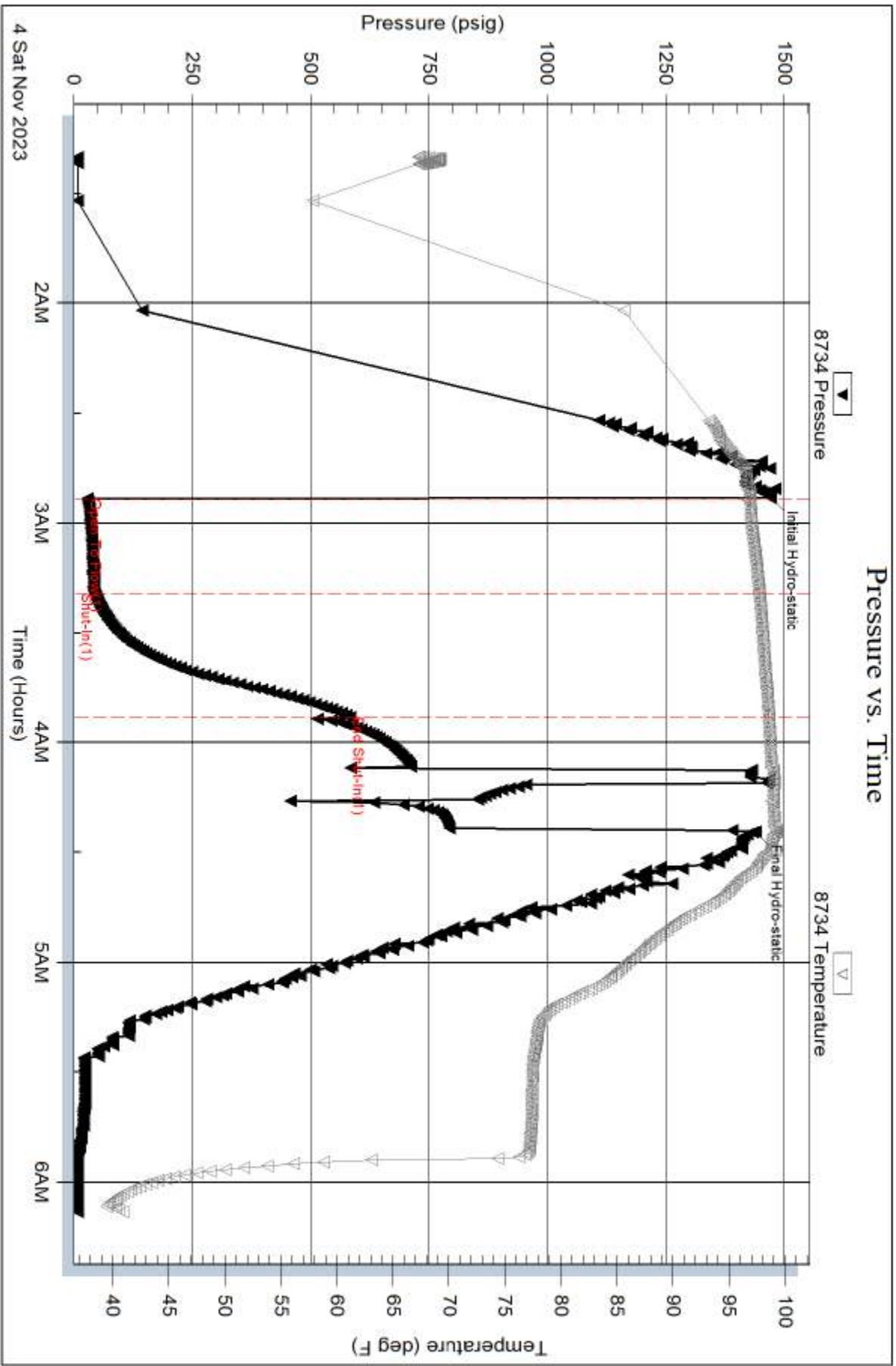
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Tool plugged in FFP, Flushed tool, No blow T.O.H



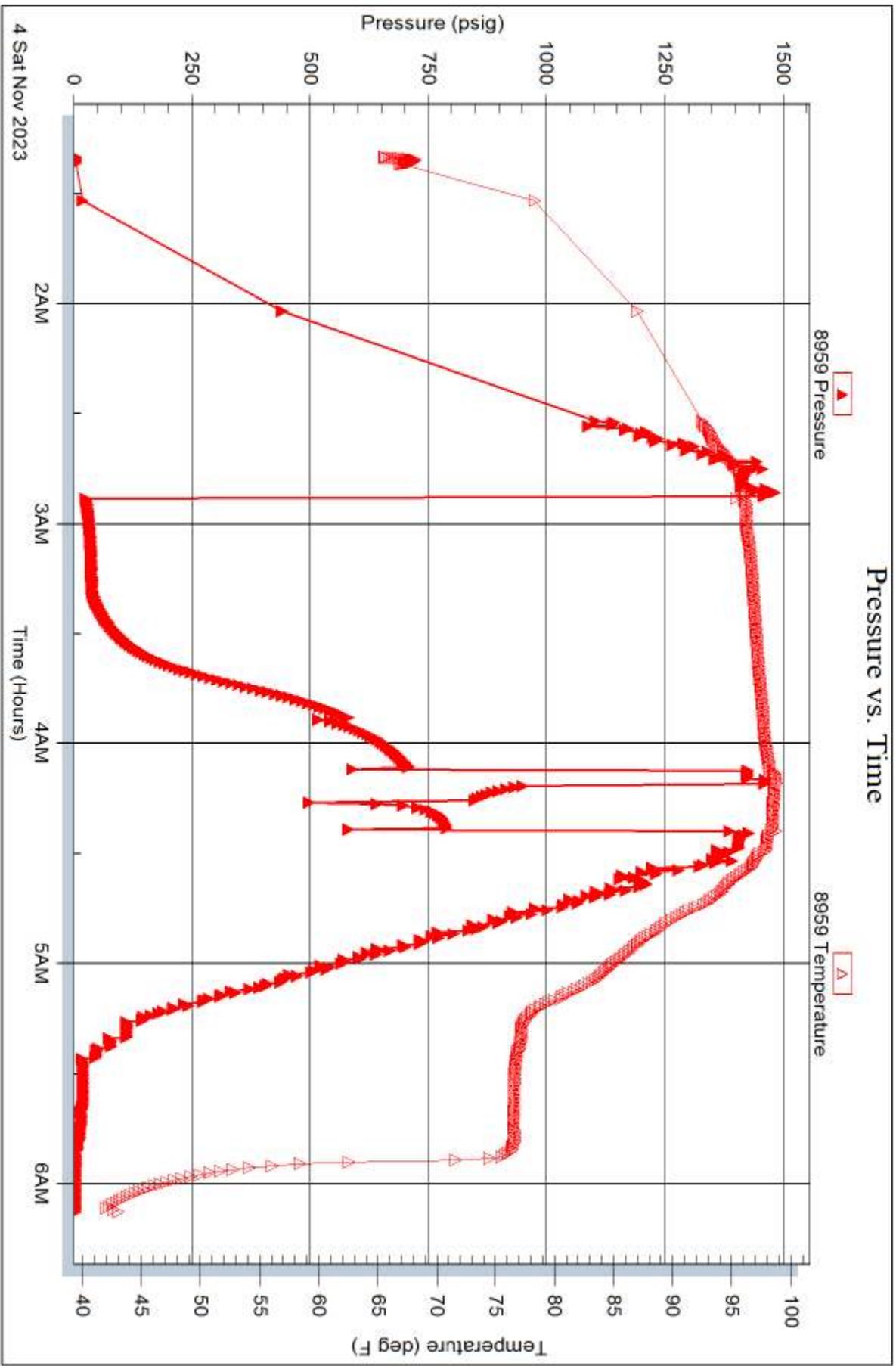
Serial #: 8959

Inside

Becker Oil Corporation

Buckner #1

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 70028

Well Name & No. #1 Buckner Test No. 1 Date 11-2-23  
 Company Becker Oil Corporation Elevation 2468 KB 2395 GL  
 Address P.O. Box 1150 Ponca City, OK 74602  
 Co. Rep / Geo Clyde Becker. Rig Duke #9  
 Location: Sec. 17 Twp 22 Rge. 23 Co. Hodgeman State KS.

Interval Tested 2525-2601 Zone Tested Krider/Winfield  
 Anchor Length 76' Drill Pipe Run 2335 Mud Wt. 9.5  
 Top Packer Depth 2500 Drill Collars Run 182 Vis 40  
 Bottom Packer Depth 2525 Wt. Pipe Run — WL 12.8  
 Total Depth 2601 Chlorides 66,900 ppm System LCM 1#

Blow Description IF - Blow built to 6"

ISI - No return.

FF - Blow built to 4 1/2" & decreased to 2 3/4"

FST - No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>GM</u>	<u>20</u>		<u>80</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	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80 BHT 98 Gravity — API RW — @ — °F Chlorides — ppm  
 Initial Hydrostatic 1335  Test 1800  Ruined Shale Packer  
 Initial Flow 33 to 50  Jars 300  Ruined Packer  
 Initial Shut-In 208  Circ Sub  Hotel  
 Final Flow 46 to 62  Hourly Standby  EM Tool Successful  
 Final Shut-In 309  Mileage 159RT <sup>80mi 140</sup>  Accessibility  
 Final Hydrostatic 1237  Sampler <sup>34mi 59.50</sup>  Gas Sample  
 T- On Location 10:20  Straddle  Sub Total 0  
 Initial Flow 30 T-Started 11:00  Shale Packer  Total 2299.50  
 Initial Shut-In 50 T-Open 12:50  Extra Packer  Tool Loaded @  
 Final Flow 45 T-Pulled 16:10  Extra Recorder  MP/DST Disc't  
 Final Shut-In 75 T-Out 17:47  Day Standby

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 70029

Well Name & No. #1 Buckner Test No. 2 Date 11-3-23  
 Company Becker Oil Corporation Elevation 2408 KB 2395 GL  
 Address P.O. Box 1150 Ponca City, OK 74602  
 Co. Rep / Geo Clyde Becker Rig Duck #9  
 Location: Sec. 17 Twp 22 Rge. 23 Co. Hodgeman State KS

Interval Tested 2610-2727 Zone Tested Lower Winfield/Towanda  
 Anchor Length 117 Drill Pipe Run 2430 Mud Wt. 9.6  
 Top Packer Depth 2605 Drill Collars Run 182 Vis 40  
 Bottom Packer Depth 2610 Wt. Pipe Run 252 WL 12.8  
 Total Depth 2727 Chlorides 66,900 ppm System LCM 1#

Blow Description IF - Blow built to 13/4"  
ISI - No return  
FF - Blow built to 1/4"  
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>GM</u>	<u>5</u>		<u>95</u>	
<u>0</u>	<u>Oil spots in tool</u>				

Rec Total 70 BHT 99 Gravity — API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 1363  Test 1800  Ruined Shale Packer  
 Initial Flow 30 to 50  Jars 300  Ruined Packer  
 Initial Shut-In 740  Circ Sub  Hotel  
 Final Flow 55 to 76  Hourly Standby  EM Tool Successful  
 Final Shut-In 705  Mileage 68RT<sup>119</sup>  Accessibility  
 Final Hydrostatic 1350  Sampler  Gas Sample  
 T-On Location 02:30  Straddle  Sub Total 0  
 Initial Flow 30 T-Started 02:50  Shale Packer  Total 2219  
 Initial Shut-In 45 T-Open 04:28  Extra Packer  Tool Loaded @  
 Final Flow 45 T-Pulled 07:38  Extra Recorder  MP/DST Disc't  
 Final Shut-In 70 T-Out 09:25  Day Standby

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 70030

Well Name & No. #1 Buckner Test No. 3 Date 11-3-23  
 Company Becker Oil Corporation Elevation 2408 KB 2395 GL  
 Address P.O. Box 1150 Ponca City, OK 74602  
 Co. Rep / Geo Clyde Becker Rig Duke#9  
 Location: Sec. 17 Twp 22 Rge. 23 Co. Hodgeman State K5

Interval Tested 2732-2756 Zone Tested Ft. Riley  
 Anchor Length 24 Drill Pipe Run 2522 Mud Wt. 9.6  
 Top Packer Depth 2727 Drill Collars Run 182 Vis 38  
 Bottom Packer Depth 2732 Wt. Pipe Run — WL 13.2  
 Total Depth 2756 Chlorides 58,800 ppm System LCM 1#  
 Blow Description IF - B.O.B (11 inches) @ 5 mins (blow built to 24")

ISF - No Return

FF - B.O.B ASAO, opened choke @ 1/4" (built to 20PSI & decreased to 11.56 PSI)

FSI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>GM</u>	<u>15</u>		<u>85</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	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 100 Gravity — API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 1447  Test 1800  Ruined Shale Packer

Initial Flow 38 to 46  Jars 300  Ruined Packer

Initial Shut-In 811  Circ Sub  Hotel

Final Flow 27 to 52  Hourly Standby  EM Tool Successful

Final Shut-In 793  Mileage 68RT 119  Accessibility

Final Hydrostatic 1415  Sampler  Gas Sample

T- On Location 13:30  Straddle  Sub Total 0

Initial Flow 25 T-Started 13:41  Shale Packer  Total 2219

Initial Shut-In 40 T-Open 15:08  Extra Packer  Tool Loaded — @ —

Final Flow 60 T-Pulled 18:13  Extra Recorder  MP/DST Disc't

Final Shut-In 60 T-Out 19:47  Day Standby

Comments G.T.S @ 25 mins into FFP, Set choke @ 1/4" @ 30 mins & left for remainder of FFP

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **70031**

Well Name & No. #1 Buckner Test No. 4 Date 11-4-23  
 Company Becker Oil Corporation Elevation 2408 KB 2395 GL  
 Address P.O. Box 1150 Ponca City, OK 74602  
 Co. Rep / Geo Clyde Becker Rig Duke #9  
 Location: Sec. 17 Twp 22 Rge. 23 Co. Hodgeman State KS.

Interval Tested 2764-2800 Zone Tested Florence  
 Anchor Length 36' Drill Pipe Run 2554 Mud Wt. 9.6  
 Top Packer Depth 2759 Drill Collars Run 182 Vis 38  
 Bottom Packer Depth 2764 Wt. Pipe Run — WL 13.2  
 Total Depth 2800 Chlorides 58,800 ppm System LCM 1#  
 Blow Description IF - Blow built to 2 1/4"

ISI - No return.

FF - No blow @ 10 mins, flushed tool, no blow pull tools.

FFI.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
<u>0</u>	<u>Oil spots in tool</u>				

Rec Total 20 BHT 99 Gravity — API RW — @ — °F Chlorides — ppm  
 Initial Hydrostatic 1472  Test 1800  Ruined Shale Packer  
 Initial Flow 29 to 44  Jars 300  Ruined Packer  
 Initial Shut-In 584  Circ Sub  Hotel  
 Final Flow X  Hourly Standby  EM Tool Successful  
 Final Shut-In X  Mileage 68RT x 2  Accessibility  
 Final Hydrostatic 1439  Sampler 119 + 59.50 + 140  Gas Sample  
 T-On Location 00:55  Straddle  Sub Total 0  
 Initial Flow 25. T-Started 01:20  Shale Packer  Total 2418.50  
 Initial Shut-In 35 T-Open 02:54  Extra Packer  Tool Loaded 11-4 @ 14:30  
 Final Flow 30 T-Pulled 04:24  Extra Recorder  MP/DST Disc't  
 Final Shut-In X T-Out 06:09  Day Standby

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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