

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	Darrah Oil Company, LLC
Well Name	BAKER 1-15
Doc ID	1675684

All Electric Logs Run

Dual induction
Micro
Porosity
Sonic



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil
 125 N Market Suite 1015
 Wichita ks 67202
 ATTN: Mike Engelbrecht

15-14-34w Logan Ks
Baker 1-15
 Job Ticket: 67998 **DST#: 1**
 Test Start: 2022.08.08 @ 14:26:51

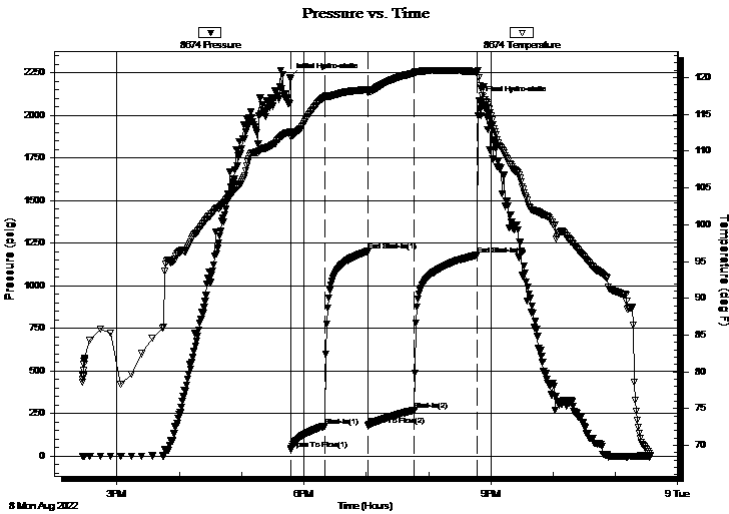
GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:47:21
 Time Test Ended: 23:32:51
 Interval: **4263.00 ft (KB) To 4336.00 ft (KB) (TVD)**
 Total Depth: 4336.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3040.00 ft (KB)
 3030.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 271.15 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.08.08 End Date: 2022.08.08 Last Calib.: 2022.08.08
 Start Time: 14:26:56 End Time: 23:32:51 Time On Btm: 2022.08.08 @ 17:46:21
 Time Off Btm: 2022.08.08 @ 20:48:51

TEST COMMENT: IF: BOB in 16 min. 15 1/2
 IS: No return.
 FF: BOB in 21 mins. 15 3/4
 FS: No return. 30-45-45-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.72	112.57	Initial Hydro-static
1	41.25	111.99	Open To Flow (1)
34	176.46	117.36	Shut-In(1)
75	1202.04	118.37	End Shut-In(1)
76	182.53	117.94	Open To Flow (2)
120	271.15	120.64	Shut-In(2)
181	1180.63	120.83	End Shut-In(2)
183	2083.12	119.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	mcw 95%w 5%m	2.79
209.00	mcw 70%w 30%m	2.93

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil

15-14-34w Logan Ks

125 N Market Suite 1015
Wichita ks 67202

Baker 1-15

Job Ticket: 67998

DST#: 1

ATTN: Mike Engelbrecht

Test Start: 2022.08.08 @ 14:26:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
315.00	mcw 95%w 5%m	2.788
209.00	mcw 70%w 30%m	2.932

Total Length: 524.00 ft Total Volume: 5.720 bbl

Num Fluid Samples: 0

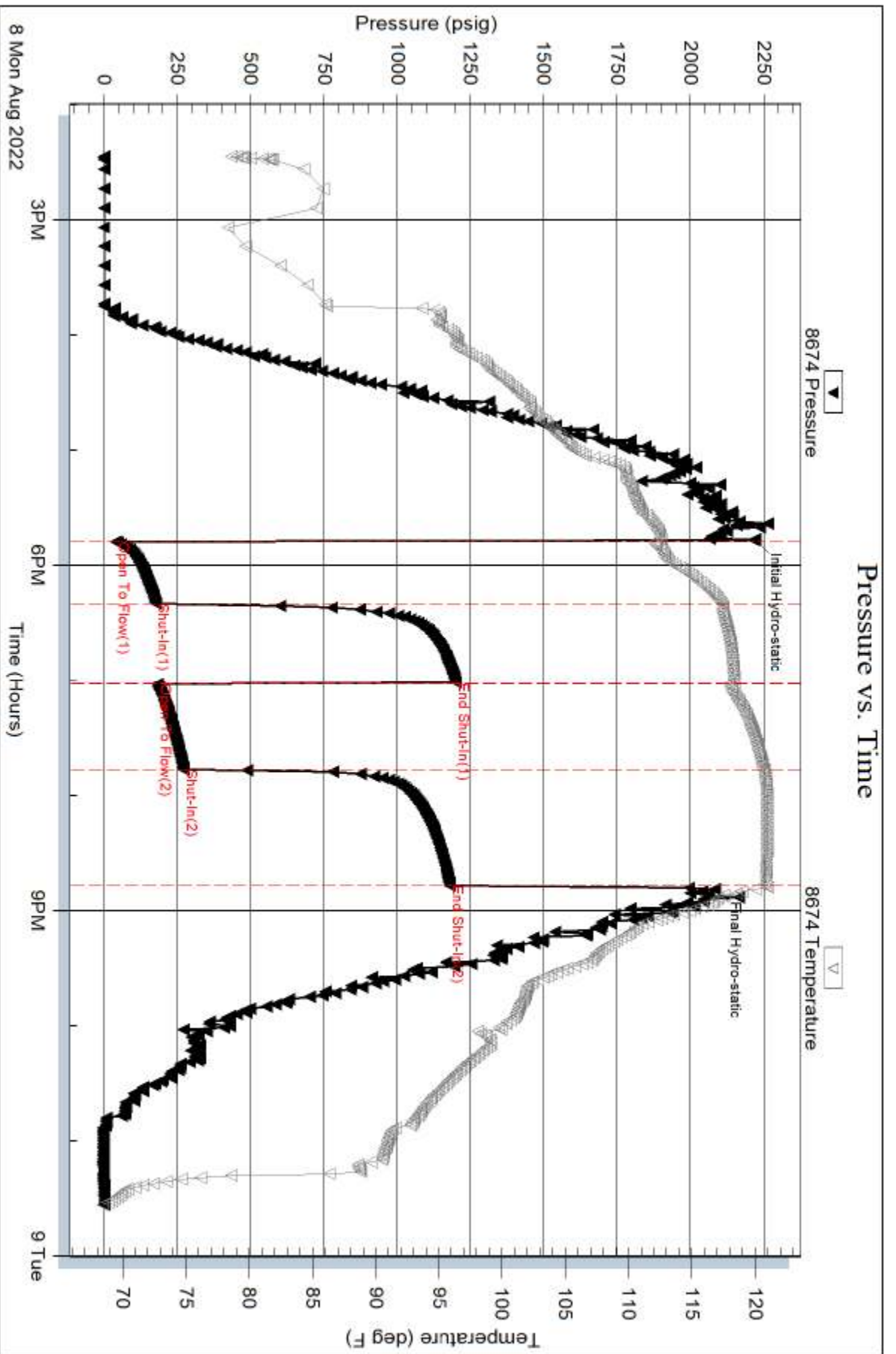
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@65=38000



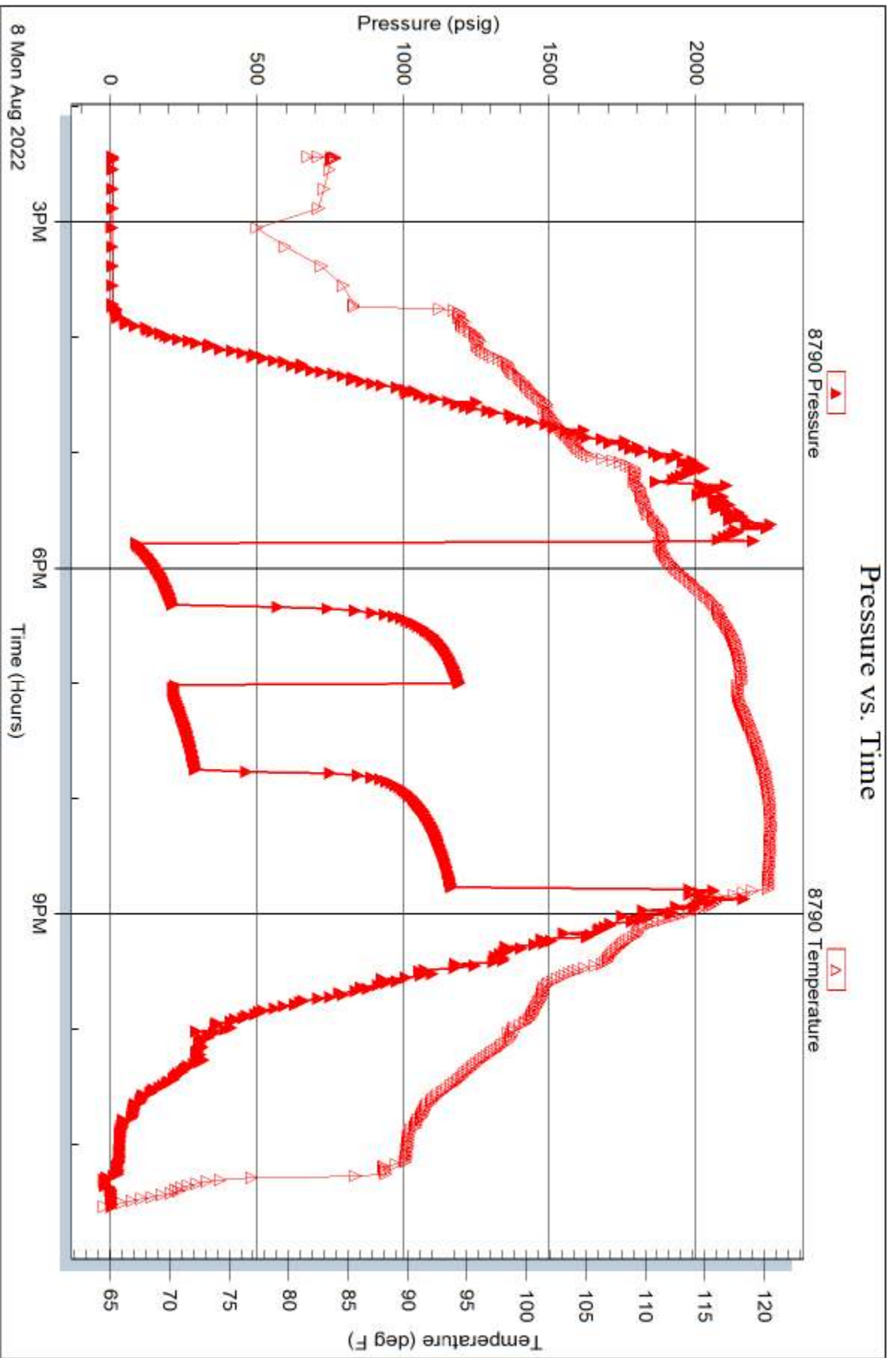
Serial #: 8790

Inside

Darrah Oil

Baker 1-15

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil
 125 N Market Suite 1015
 Wichita ks 67202
 ATTN: Mike Engelbrecht

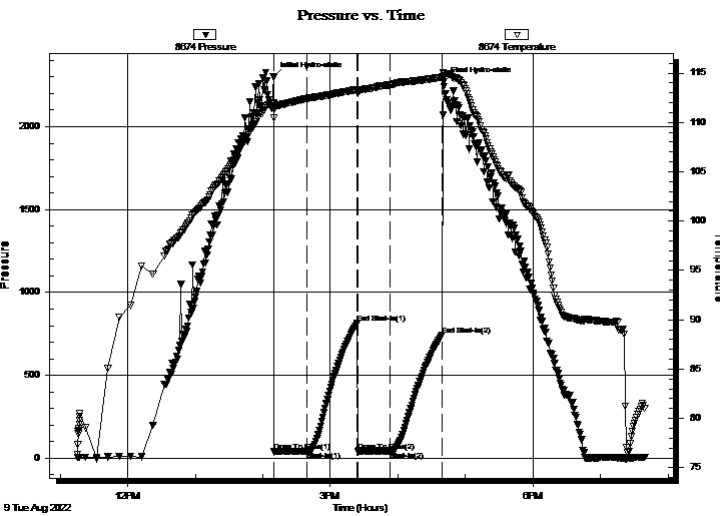
15-14-34w Logan Ks
Baker 1-15
 Job Ticket: 67999 **DST#: 2**
 Test Start: 2022.08.09 @ 11:15:22

GENERAL INFORMATION:

Formation: **ALT B-C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:09:52
 Tester: Brandon Turley
 Time Test Ended: 19:39:22
 Unit No: 79
 Interval: **4332.00 ft (KB) To 4387.00 ft (KB) (TVD)**
 Reference Elevations: 3040.00 ft (KB)
 Total Depth: 4387.00 ft (KB) (TVD)
 3030.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 8674 **Outside**
 Press@RunDepth: 44.67 psig @ 4333.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.08.09 End Date: 2022.08.09 Last Calib.: 2022.08.09
 Start Time: 11:15:27 End Time: 19:39:21 Time On Btm: 2022.08.09 @ 14:09:22
 Time Off Btm: 2022.08.09 @ 16:40:52

TEST COMMENT: IF: 1/2 blow died in 30 mins.
 IS: No return.
 FF: No blow.
 FS: No return. 30-45-30-45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2299.62	111.97	Initial Hydro-static
1	40.68	110.44	Open To Flow (1)
30	42.76	112.41	Shut-In(1)
75	814.41	113.33	End Shut-In(1)
75	43.24	112.92	Open To Flow (2)
104	44.67	113.80	Shut-In(2)
150	744.40	114.58	End Shut-In(2)
152	2272.46	114.90	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil

15-14-34w Logan Ks

125 N Market Suite 1015
Wichita ks 67202

Baker 1-15

Job Ticket: 67999

DST#: 2

ATTN: Mike Engelbrecht

Test Start: 2022.08.09 @ 11:15:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

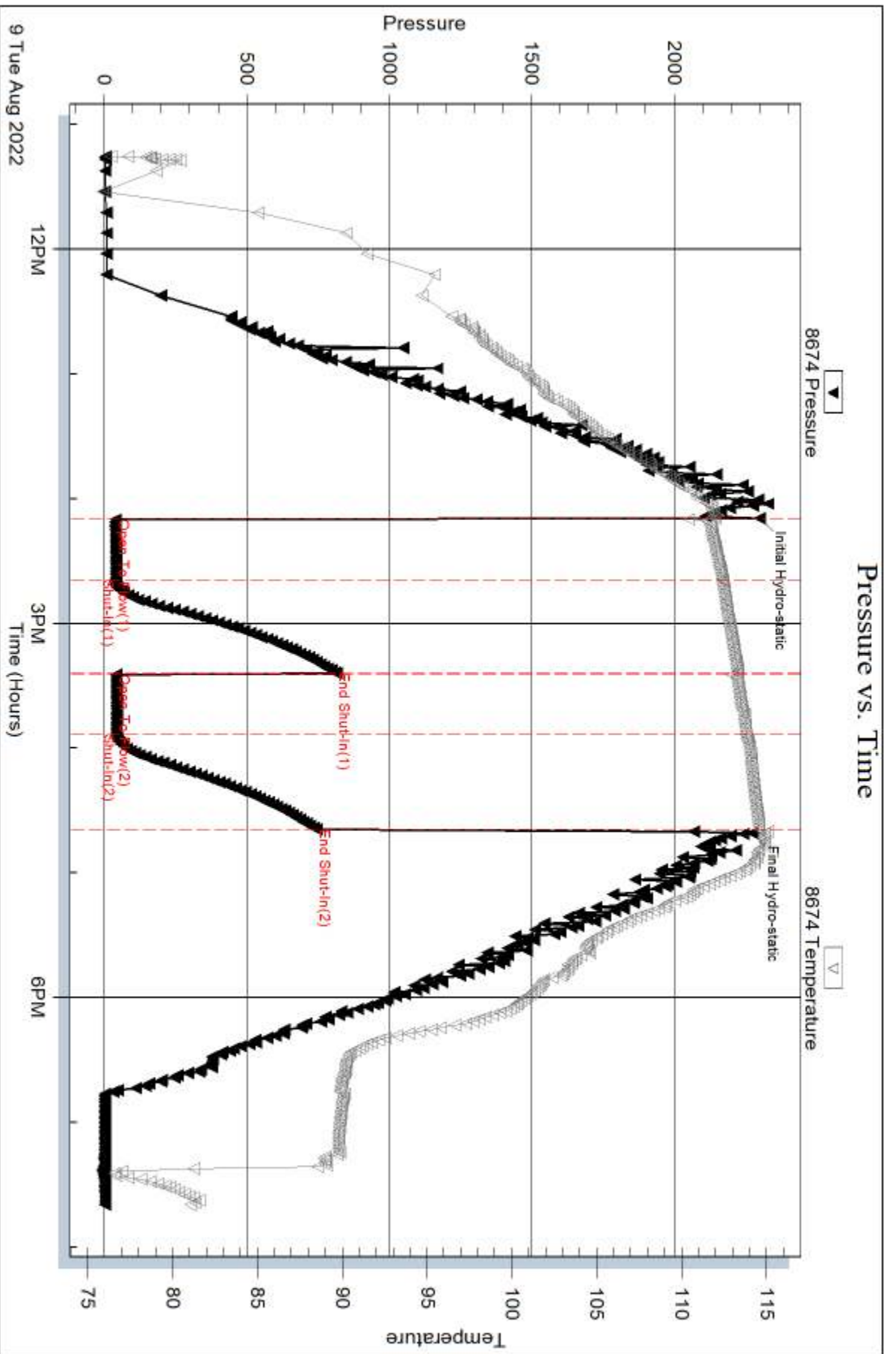
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



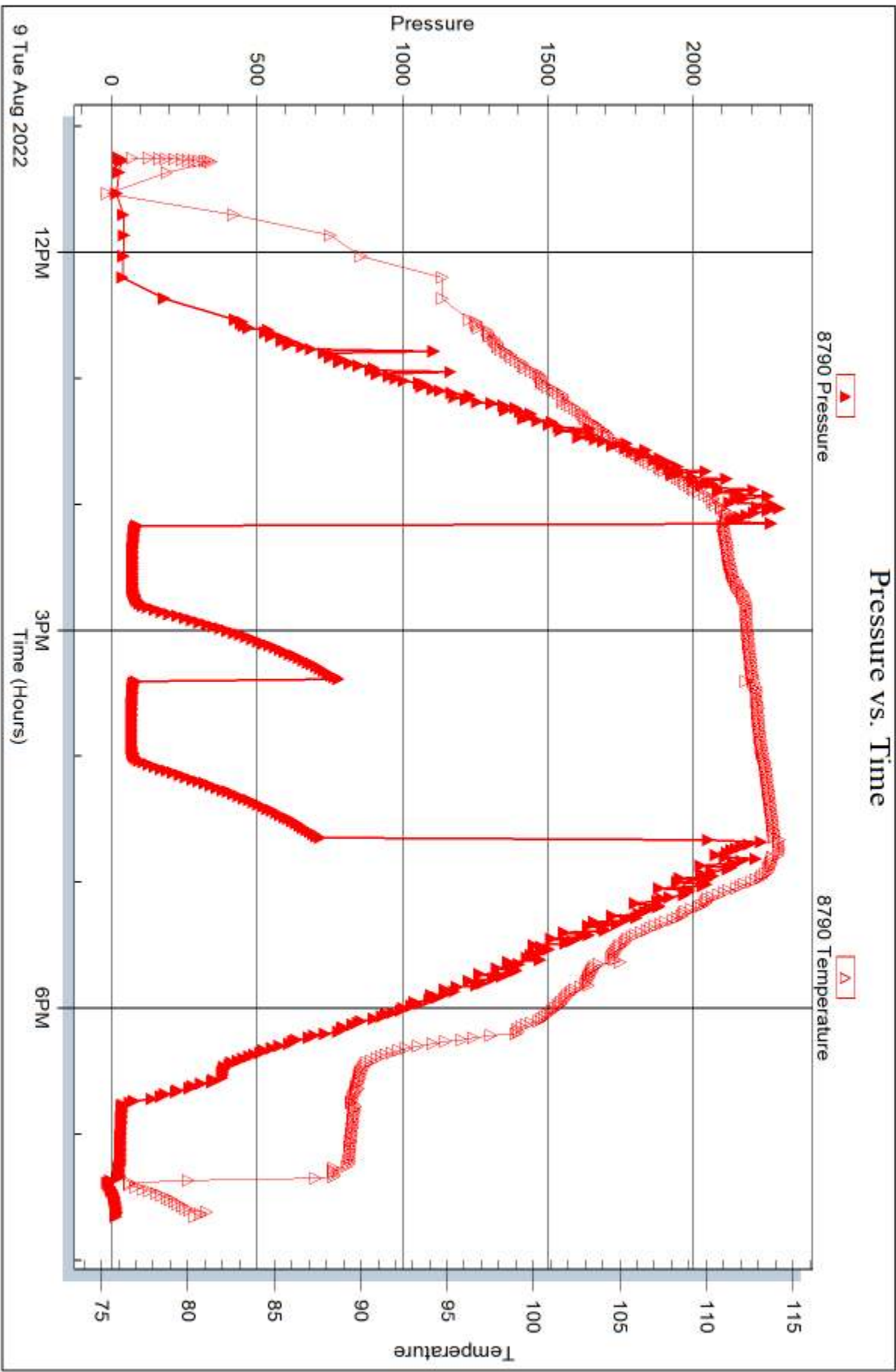
Serial #: 8790

Inside

Darrah Oil

Baker 1-15

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil
125 N Market Suite 1015
Wichita ks 67202
ATTN: Mike Engelbrecht

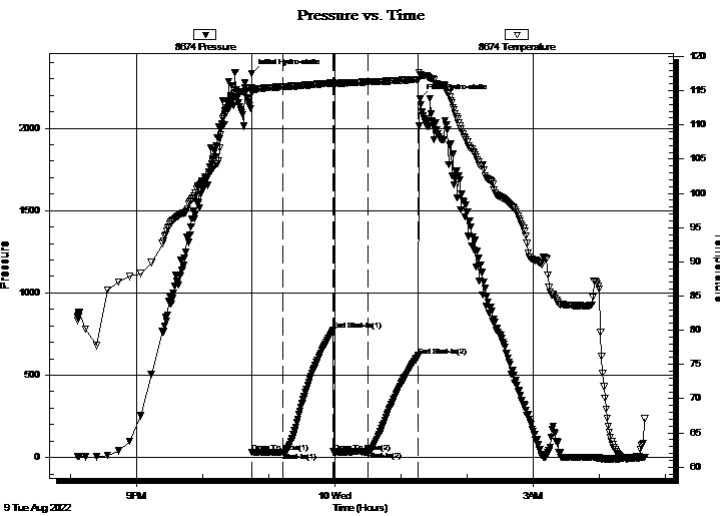
15-14-34w Logan Ks
Baker 1-15
Job Ticket: 68000 **DST#: 3**
Test Start: 2022.08.09 @ 20:06:15

GENERAL INFORMATION:

Formation: **Marm Alt**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:44:40
Time Test Ended: 04:41:10
Interval: **4304.00 ft (KB) To 4387.00 ft (KB) (TVD)**
Total Depth: 4387.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3040.00 ft (KB)
3030.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 34.64 psig @ 4305.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.08.09 End Date: 2022.08.10 Last Calib.: 2022.08.10
Start Time: 20:06:15 End Time: 04:41:10 Time On Btm: 2022.08.09 @ 22:44:10
Time Off Btm: 2022.08.10 @ 01:17:09

TEST COMMENT: IF: 1/2 blow .
IS: No return.
FF: No blow
FS: No return. 30453045



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.19	115.48	Initial Hydro-static
1	30.47	114.75	Open To Flow (1)
29	33.27	115.59	Shut-In(1)
74	771.71	116.12	End Shut-In(1)
75	33.92	115.96	Open To Flow (2)
106	34.64	116.29	Shut-In(2)
152	617.75	116.67	End Shut-In(2)
153	2177.47	117.32	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil

15-14-34w Logan Ks

125 N Market Suite 1015
Wichita ks 67202

Baker 1-15

Job Ticket: 68000

DST#: 3

ATTN: Mike Engelbrecht

Test Start: 2022.08.09 @ 20:06:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

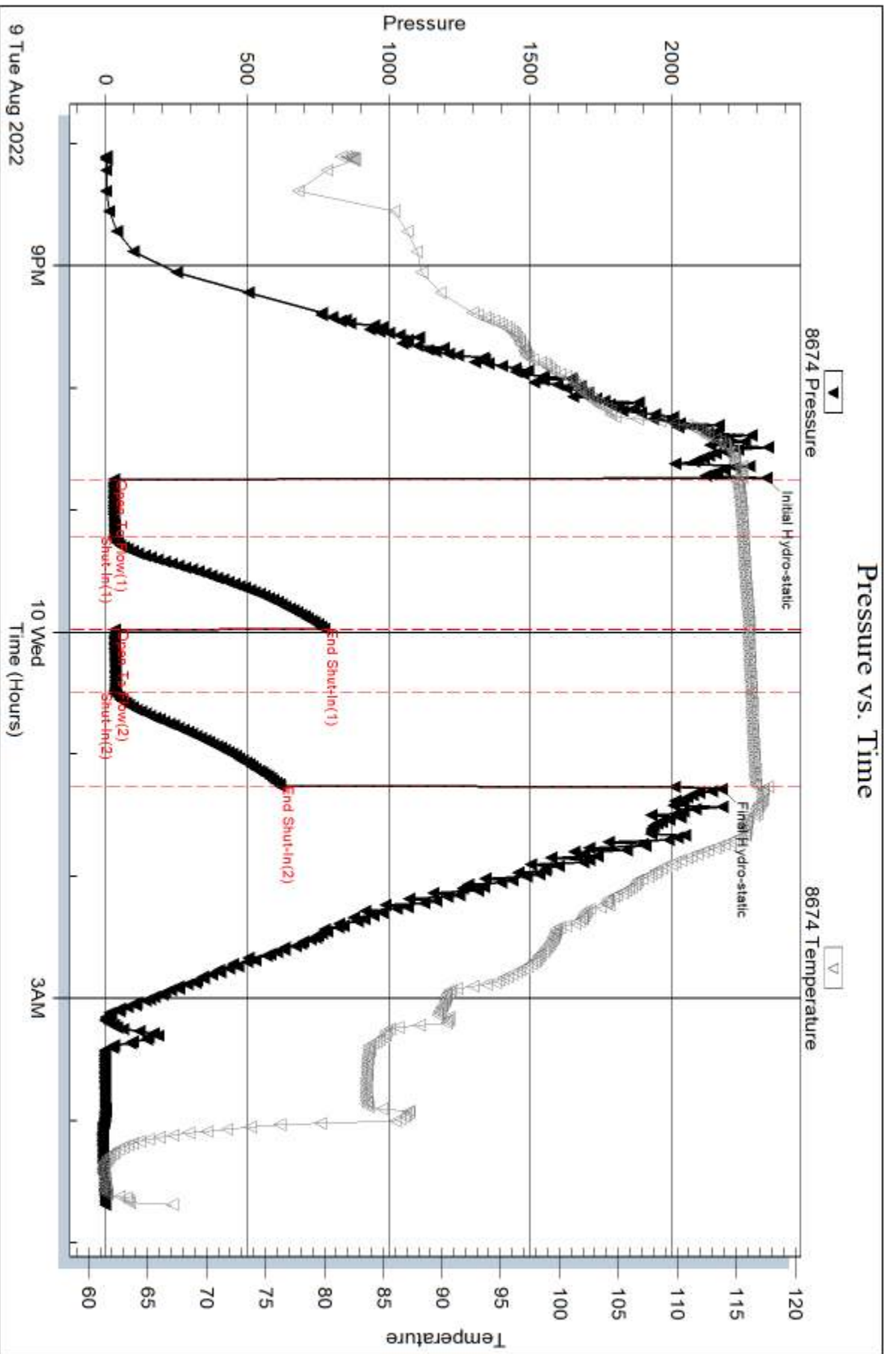
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



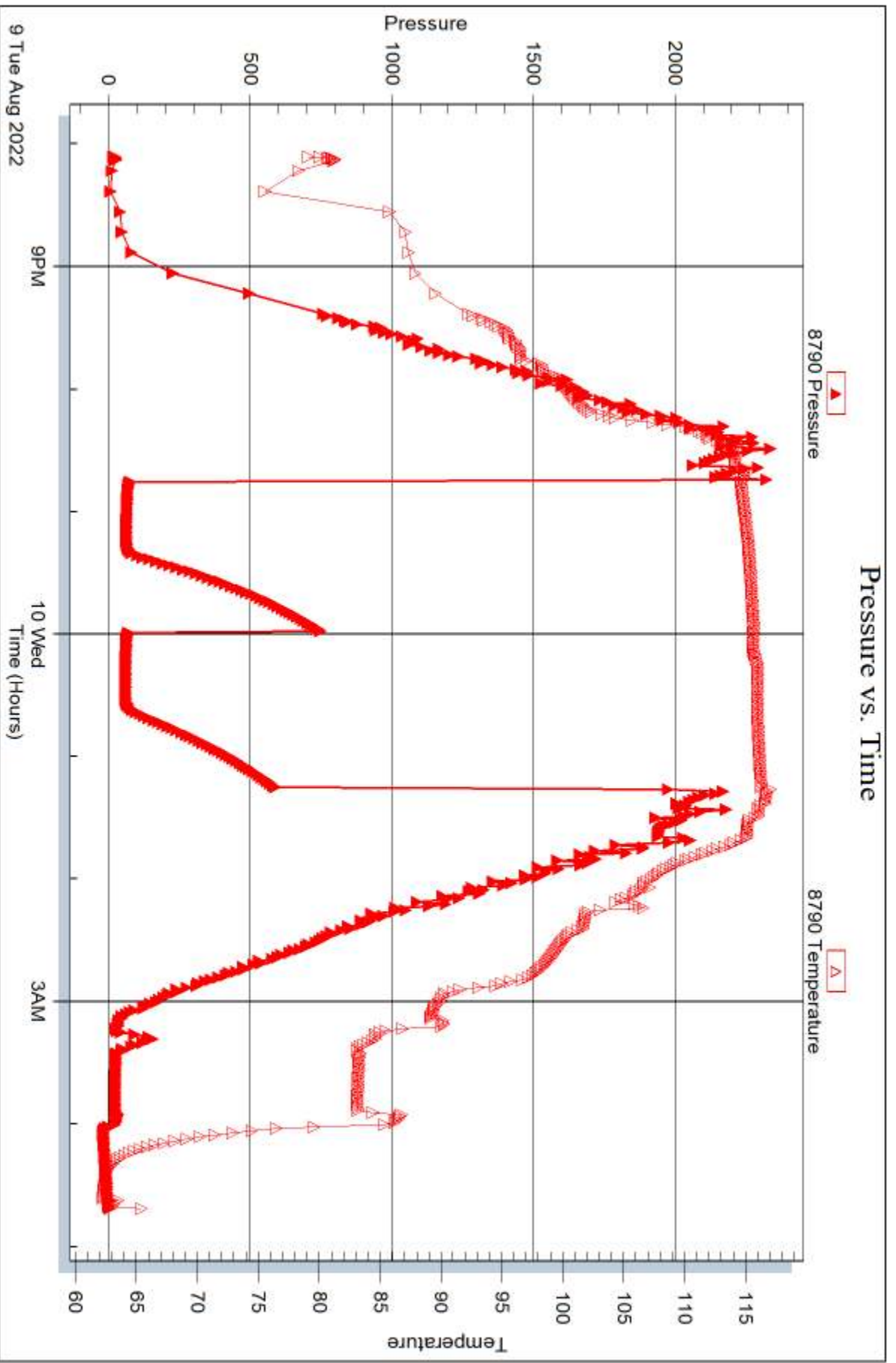
Serial #: 8790

Inside

Darrah Oil

Baker 1-15

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68000

Printed: 2022.08.10 @ 07:26:45



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil
 125 N Market Suite 1015
 Wichita ks 67202
 ATTN: Mike Engelbrecht

15-14-34w Logan Ks
Baker 1-15
 Job Ticket: 69212 **DST#: 4**
 Test Start: 2022.08.11 @ 05:50:00

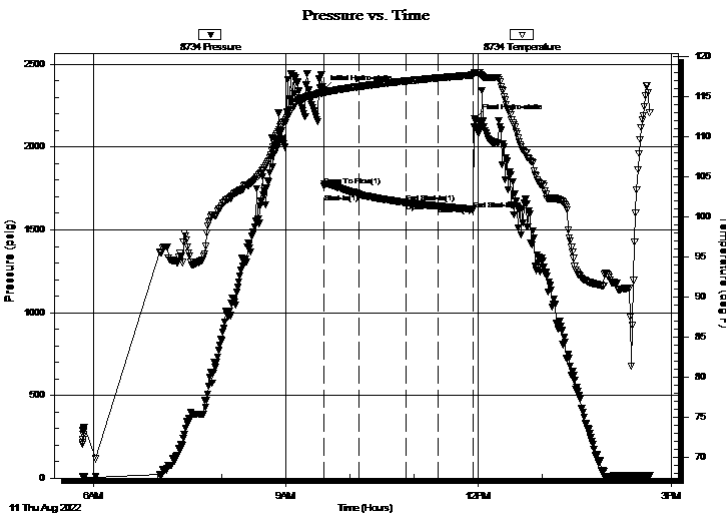
GENERAL INFORMATION:

Formation: **" Cherokee - Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:35:20 Tester: Martine Salinas
 Time Test Ended: 14:40:00 Unit No: 82
 Interval: **4444.00 ft (KB) To 4570.00 ft (KB) (TVD)** Reference Elevations: 3040.00 ft (KB)
 Total Depth: 4570.00 ft (KB) (TVD) 3030.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 1644.00 psig @ 4445.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.08.11 End Date: 2022.08.11 Last Calib.: 2022.08.11
 Start Time: 05:50:01 End Time: 14:40:00 Time On Btm: 2022.08.11 @ 09:35:10
 Time Off Btm: 2022.08.11 @ 11:56:30

TEST COMMENT: 30-IF-Weak surface bubbles dead @ 3 mins
 45-ISI-No return
 30-FF-No blow
 30-FSI-Ne return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.72	115.54	Initial Hydro-static
1	1765.91	115.39	Open To Flow (1)
33	1717.39	116.28	Shut-In(1)
77	1665.25	116.97	End Shut-In(1)
77	1665.09	116.97	Open To Flow (2)
107	1644.00	117.36	Shut-In(2)
140	1624.16	117.73	End Shut-In(2)
142	2171.22	118.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	100% Mud	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil

15-14-34w Logan Ks

125 N Market Suite 1015
Wichita ks 67202

Baker 1-15

Job Ticket: 69212

DST#: 4

ATTN: Mike Engelbrecht

Test Start: 2022.08.11 @ 05:50:00

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100% Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

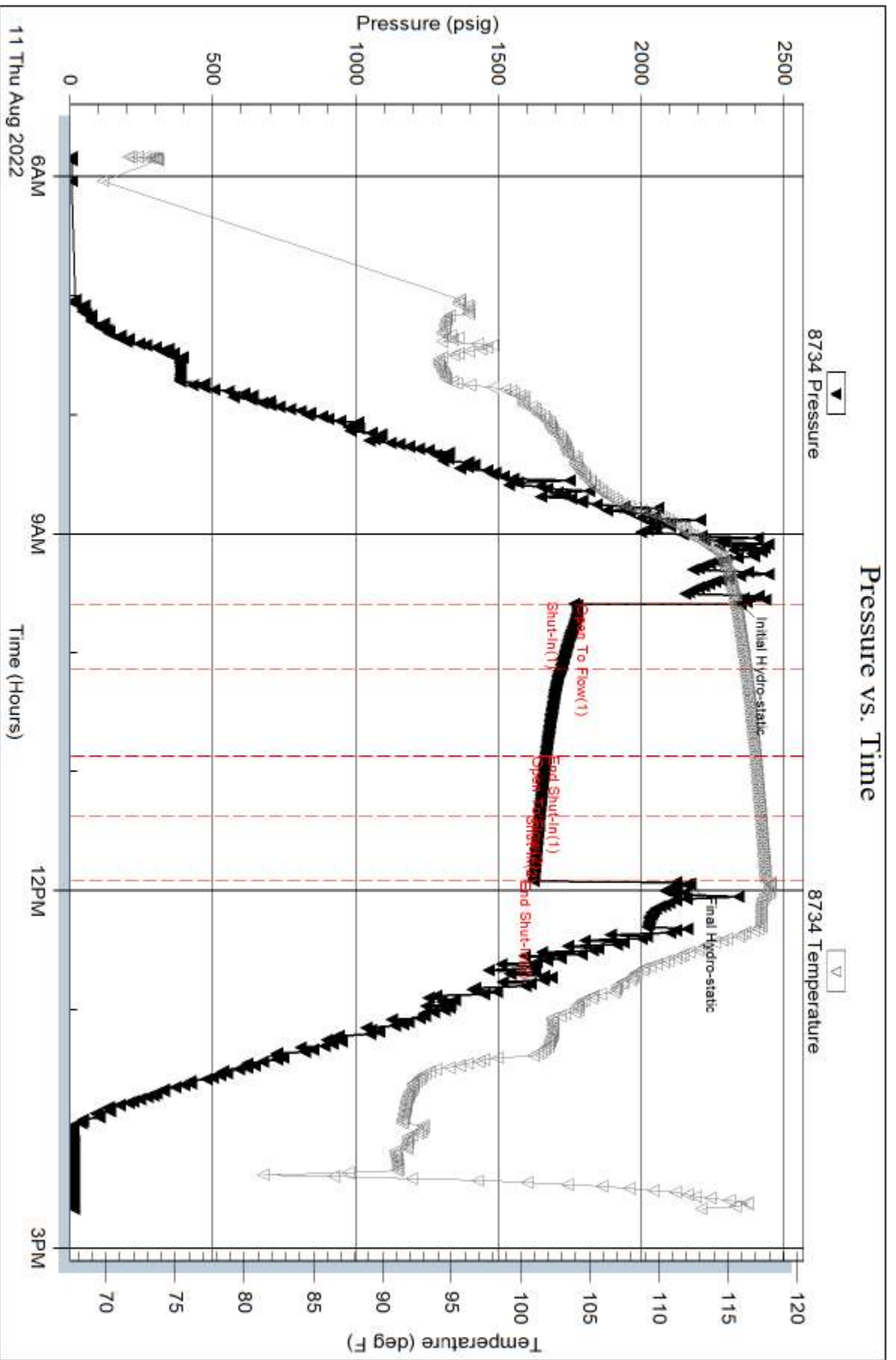
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

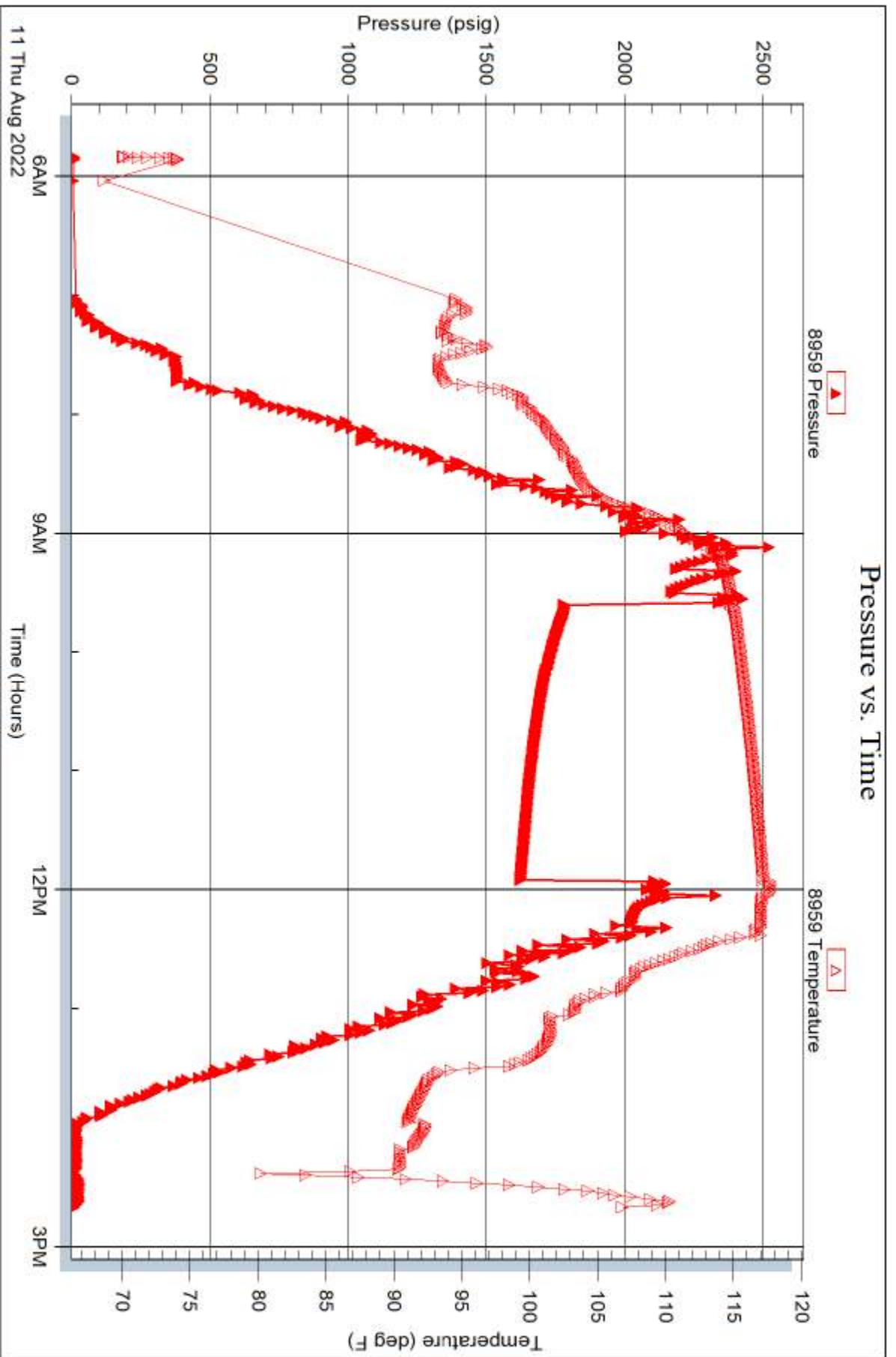


Serial #: 8959

Inside Darrah Oil

Baker 1-15

DST Test Number: 4





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil
 125 N Market Suite 1015
 Wichita ks 67202
 ATTN: Mike Engelbrecht

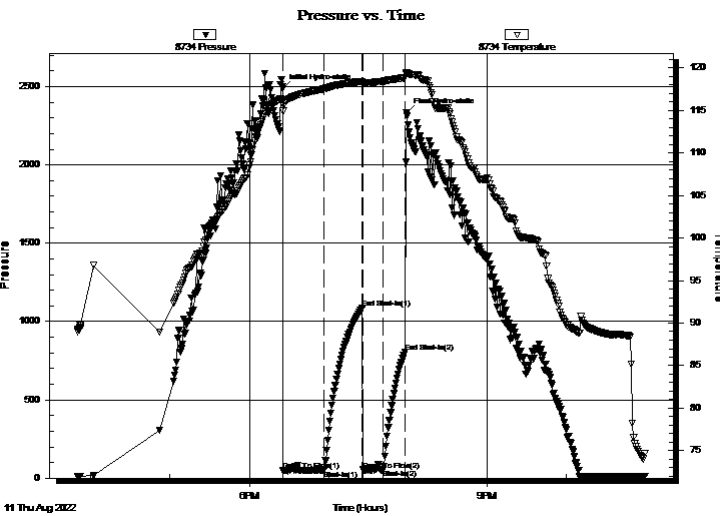
15-14-34w Logan Ks
Baker 1-15
 Job Ticket: 69213 **DST#: 5**
 Test Start: 2022.08.11 @ 15:50:00

GENERAL INFORMATION:

Formation: **" Cherokee - Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:25:40
 Time Test Ended: 22:59:20
 Interval: **4446.00 ft (KB) To 4570.00 ft (KB) (TVD)**
 Total Depth: 4570.00 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: 3040.00 ft (KB)
 3030.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 53.33 psig @ 4447.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.08.11 End Date: 2022.08.11 Last Calib.: 2022.08.11
 Start Time: 15:50:01 End Time: 22:59:20 Time On Btm: 2022.08.11 @ 18:25:30
 Time Off Btm: 2022.08.11 @ 19:59:00

TEST COMMENT: 30-IF- 1/4" blow dead @ 15 mins
 30-ISI-No return
 15-FF-No blow
 15-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2487.39	116.28	Initial Hydro-static
1	47.44	114.94	Open To Flow (1)
31	51.00	117.52	Shut-In(1)
60	1084.44	118.42	End Shut-In(1)
61	53.05	118.00	Open To Flow (2)
76	53.33	118.43	Shut-In(2)
93	804.48	118.83	End Shut-In(2)
94	2335.65	119.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil

15-14-34w Logan Ks

125 N Market Suite 1015
Wichita ks 67202

Baker 1-15

Job Ticket: 69213

DST#: 5

ATTN: Mike Engelbrecht

Test Start: 2022.08.11 @ 15:50:00

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: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

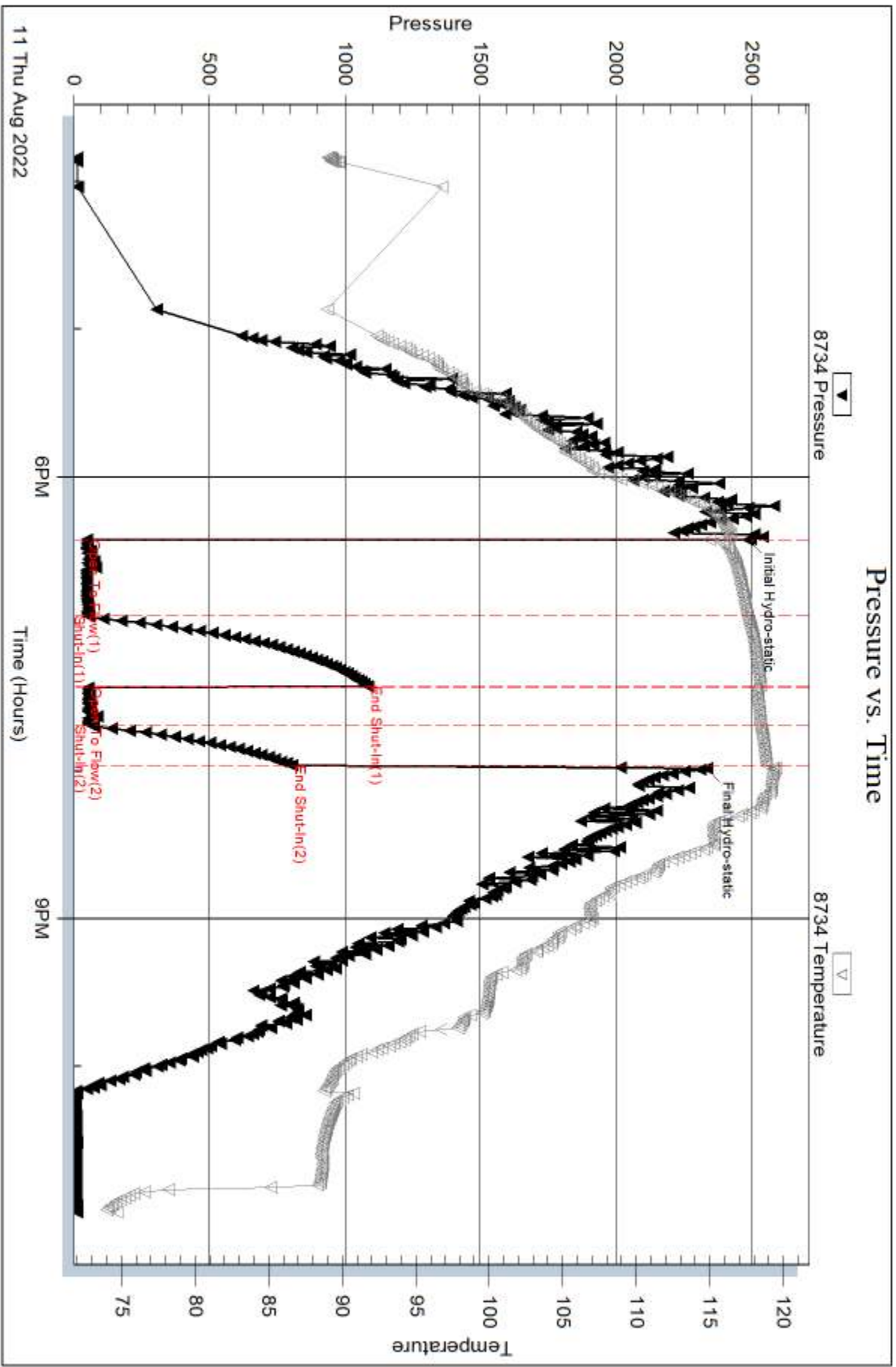
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

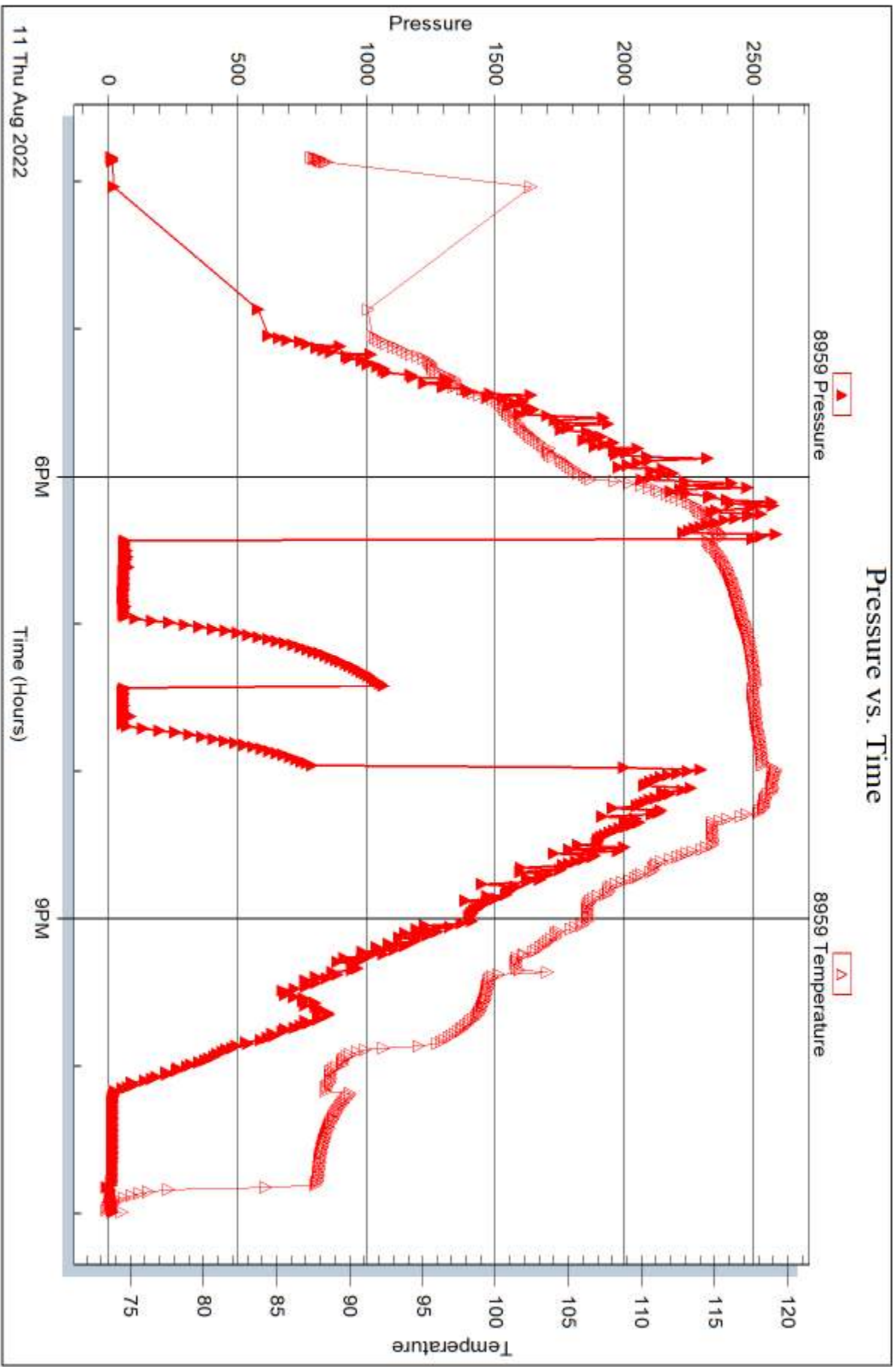


Serial #: 8959

Inside Darrah Oil

Baker 1-15

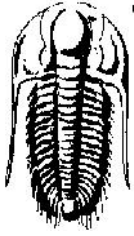
DST Test Number: 5



Tribble Testing, Inc

Ref. No: 69213

Printed: 2022.08.12 @ 08:11:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil
 125 N Market Suite 1015
 Wichita ks 67202
 ATTN: Mike Engelbrecht

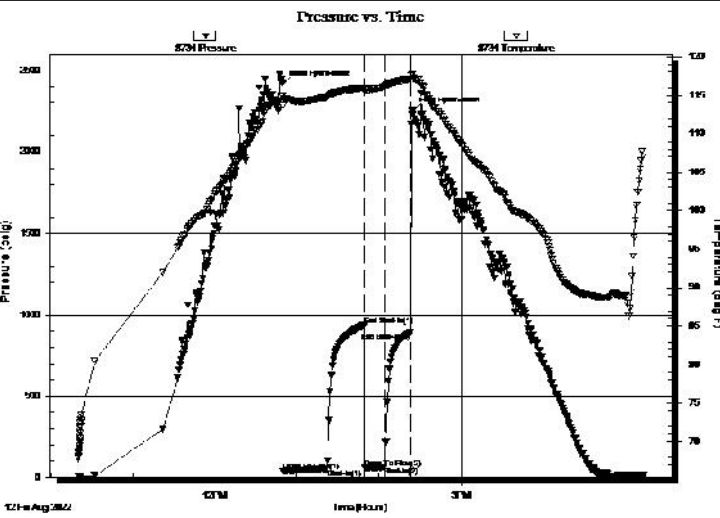
15-14-34w Logan Ks
Baker 1-15
 Job Ticket: 69214 **DST#: 6**
 Test Start: 2022.08.12 @ 10:20:00

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:49:40
 Time Test Ended: 17:13:50
 Interval: **4567.00 ft (KB) To 4596.00 ft (KB) (TVD)**
 Total Depth: 4596.00 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: 3040.00 ft (KB)
 3030.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
 Press @ Run Depth: 65.05 psig @ 4568.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.08.12 End Date: 2022.08.12 Last Calib.: 2022.08.12
 Start Time: 10:20:01 End Time: 17:13:50 Time On Btm: 2022.08.12 @ 12:49:30
 Time Off Btm: 2022.08.12 @ 14:24:30

TEST COMMENT: 30-IF-Weak surface bubbles dead @ 5 mins
 30-ISI-No return
 15-FF-No blow
 15-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2414.67	114.92	Initial Hydro-static
1	43.63	113.59	Open To Flow (1)
33	56.16	114.81	Shut-In(1)
60	935.02	116.00	End Shut-In(1)
61	59.11	115.51	Open To Flow (2)
75	65.05	116.13	Shut-In(2)
94	892.99	117.16	End Shut-In(2)
95	2249.17	117.64	Final Hydro-static

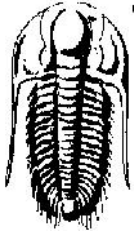
Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil
125 N Market Suite 1015
Wichita ks 67202
ATTN: Mike Engelbrecht

15-14-34w Logan Ks
Baker 1-15
Job Ticket: 69214 **DST#: 6**
Test Start: 2022.08.12 @ 10:20:00

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	100% Mud	0.320

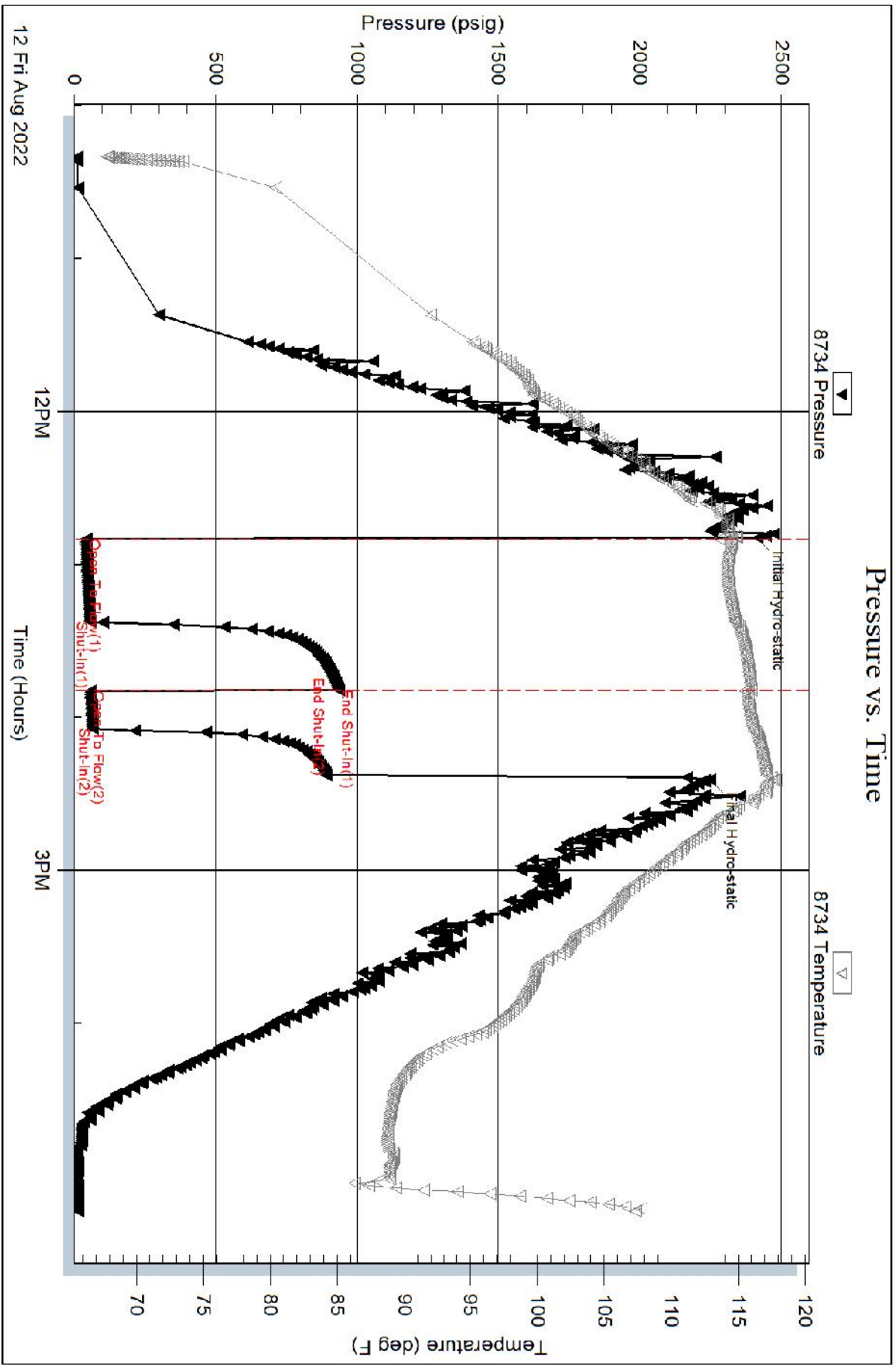
Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8734

Outside Darrah Oil

Baker 1-15

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 69214

Printed: 2022.08.12 @ 21:42:25

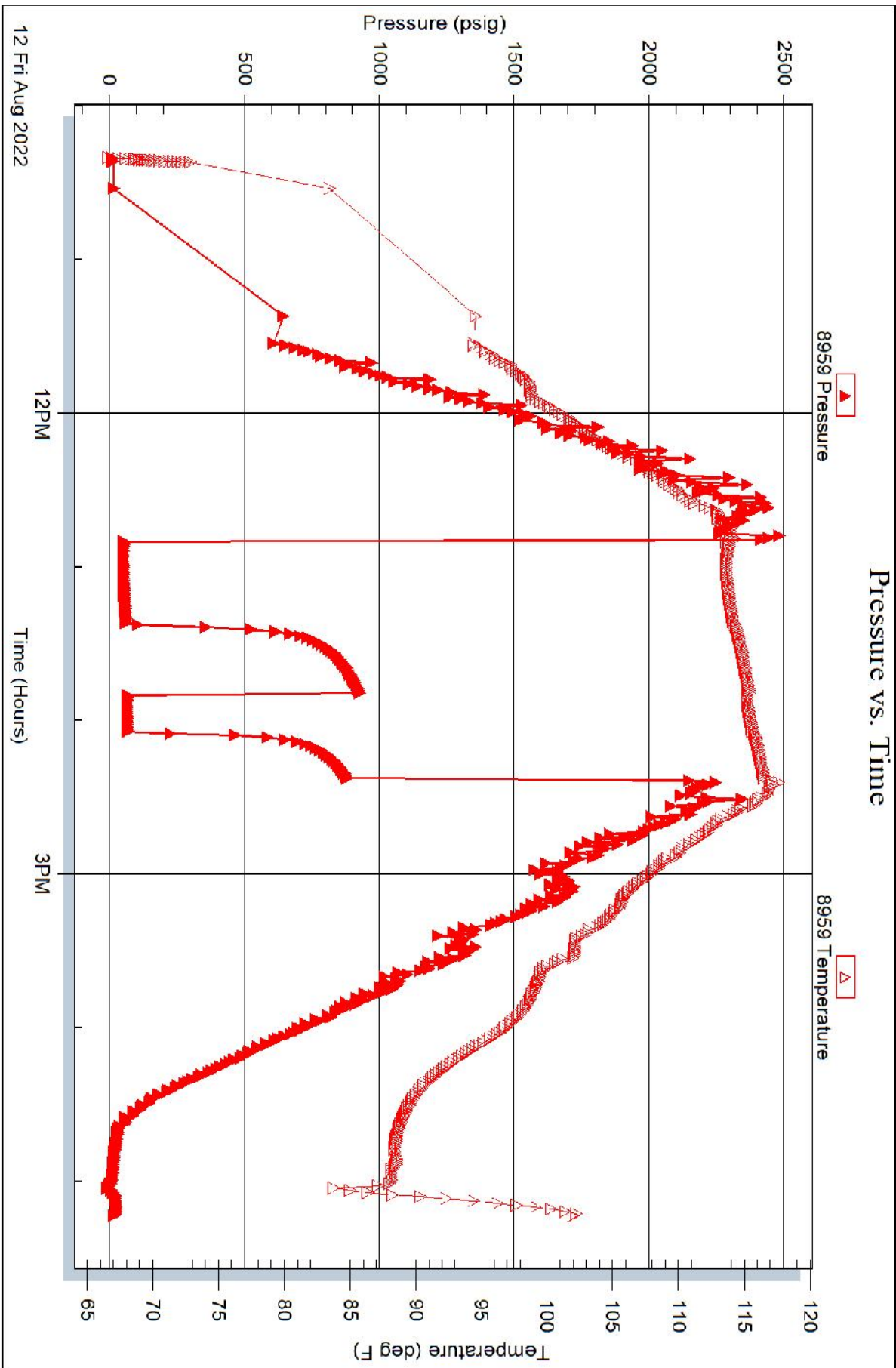
Serial #: 8959

Inside

Darrah Oil

Baker 1-15

DST Test Number: 6



DEPTH (ft)	LOG #	DESCRIPTION	REMARKS
0-10	15	ANH 2429 + 611	
10-50		BASE 2450 + 590	
3600-3610		TOPEKA	3716 -676
3610-3620		HEEB	3876 -836
3620-3630		TOR	
3630-3640		LANSING	3910 -870
3640-3650		MA-ALT	4325 -1285
3650-3660		STARK SH	4175 -1135
3660-3670		HUSHP SH	4218 -1178
3670-3680		MUNCIE SH	4090 -1050
3680-3690		PAWNEE	4393 -1353
3690-3700		CHER SH	4446 -1406
3700-3710		LW CHER SH	4480 -1440
3710-3720		JOHN ZN	4523 -1483
3720-3730		MRW SST	4578 -1538
3730-3740		MISS	4630 -1590

DRILL STEEL TESTS

LOG #	DEPTH (ft)	TEST TYPE	RESULTS
15	0-10	STRIP	30-45-30-30
15	10-20	STRIP	30-45-30-30
15	20-30	STRIP	30-45-30-30
15	30-40	STRIP	30-45-30-30
15	40-50	STRIP	30-45-30-30
15	50-60	STRIP	30-45-30-30
15	60-70	STRIP	30-45-30-30
15	70-80	STRIP	30-45-30-30
15	80-90	STRIP	30-45-30-30
15	90-100	STRIP	30-45-30-30
15	100-110	STRIP	30-45-30-30
15	110-120	STRIP	30-45-30-30
15	120-130	STRIP	30-45-30-30
15	130-140	STRIP	30-45-30-30
15	140-150	STRIP	30-45-30-30
15	150-160	STRIP	30-45-30-30
15	160-170	STRIP	30-45-30-30
15	170-180	STRIP	30-45-30-30
15	180-190	STRIP	30-45-30-30
15	190-200	STRIP	30-45-30-30
15	200-210	STRIP	30-45-30-30
15	210-220	STRIP	30-45-30-30
15	220-230	STRIP	30-45-30-30
15	230-240	STRIP	30-45-30-30
15	240-250	STRIP	30-45-30-30
15	250-260	STRIP	30-45-30-30
15	260-270	STRIP	30-45-30-30
15	270-280	STRIP	30-45-30-30
15	280-290	STRIP	30-45-30-30
15	290-300	STRIP	30-45-30-30
15	300-310	STRIP	30-45-30-30
15	310-320	STRIP	30-45-30-30
15	320-330	STRIP	30-45-30-30
15	330-340	STRIP	30-45-30-30
15	340-350	STRIP	30-45-30-30
15	350-360	STRIP	30-45-30-30
15	360-370	STRIP	30-45-30-30
15	370-380	STRIP	30-45-30-30
15	380-390	STRIP	30-45-30-30
15	390-400	STRIP	30-45-30-30
15	400-410	STRIP	30-45-30-30
15	410-420	STRIP	30-45-30-30
15	420-430	STRIP	30-45-30-30
15	430-440	STRIP	30-45-30-30
15	440-450	STRIP	30-45-30-30
15	450-460	STRIP	30-45-30-30
15	460-470	STRIP	30-45-30-30
15	470-480	STRIP	30-45-30-30
15	480-490	STRIP	30-45-30-30
15	490-500	STRIP	30-45-30-30
15	500-510	STRIP	30-45-30-30
15	510-520	STRIP	30-45-30-30
15	520-530	STRIP	30-45-30-30
15	530-540	STRIP	30-45-30-30
15	540-550	STRIP	30-45-30-30
15	550-560	STRIP	30-45-30-30
15	560-570	STRIP	30-45-30-30
15	570-580	STRIP	30-45-30-30
15	580-590	STRIP	30-45-30-30
15	590-600	STRIP	30-45-30-30
15	600-610	STRIP	30-45-30-30
15	610-620	STRIP	30-45-30-30
15	620-630	STRIP	30-45-30-30
15	630-640	STRIP	30-45-30-30
15	640-650	STRIP	30-45-30-30
15	650-660	STRIP	30-45-30-30
15	660-670	STRIP	30-45-30-30
15	670-680	STRIP	30-45-30-30
15	680-690	STRIP	30-45-30-30
15	690-700	STRIP	30-45-30-30
15	700-710	STRIP	30-45-30-30
15	710-720	STRIP	30-45-30-30
15	720-730	STRIP	30-45-30-30
15	730-740	STRIP	30-45-30-30
15	740-750	STRIP	30-45-30-30
15	750-760	STRIP	30-45-30-30
15	760-770	STRIP	30-45-30-30
15	770-780	STRIP	30-45-30-30
15	780-790	STRIP	30-45-30-30
15	790-800	STRIP	30-45-30-30
15	800-810	STRIP	30-45-30-30
15	810-820	STRIP	30-45-30-30
15	820-830	STRIP	30-45-30-30
15	830-840	STRIP	30-45-30-30
15	840-850	STRIP	30-45-30-30
15	850-860	STRIP	30-45-30-30
15	860-870	STRIP	30-45-30-30
15	870-880	STRIP	30-45-30-30
15	880-890	STRIP	30-45-30-30
15	890-900	STRIP	30-45-30-30
15	900-910	STRIP	30-45-30-30
15	910-920	STRIP	30-45-30-30
15	920-930	STRIP	30-45-30-30
15	930-940	STRIP	30-45-30-30
15	940-950	STRIP	30-45-30-30
15	950-960	STRIP	30-45-30-30
15	960-970	STRIP	30-45-30-30
15	970-980	STRIP	30-45-30-30
15	980-990	STRIP	30-45-30-30
15	990-1000	STRIP	30-45-30-30

LEGEND

- Anythrite
- Silt
- Sandstone
- Shale
- Carb. sh
- Limestone
- Dol. Limestone
- Chert
- Dolomite

DRILLING TIME (Logarithmic Scale)

DEPTH (ft) 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

ANH 2429 + 611

BASE 2450 + 590

TOPEKA 3716 -676

HEEB 3876 -836

TOR

LANSING 3910 -870

MA-ALT 4325 -1285

STARK SH 4175 -1135

HUSHP SH 4218 -1178

MUNCIE SH 4090 -1050

PAWNEE 4393 -1353

CHER SH 4446 -1406

LW CHER SH 4480 -1440

JOHN ZN 4523 -1483

MRW SST 4578 -1538

MISS 4630 -1590

DISPL. @ 3485'

BIT TRIP TO T-CONE
 SHT = 3 1/2"
 TALLY 3610.78
 STRAP 3609.67
 1, 11 SHORT
 MUD CO. CK @ 3610'
 VISC: 60 FILT: 1.4
 WT: 8.7 CHL: 3,200
 LCM: 1"

1050 # PP

SPLS GETTING MORE BETTER!

975 # PP

900 # PP 61 STROKES

VISC: 60
 WT: 9.1
 LCM: 2"

START 10' SPLS

VISC: 58
 WT: 9.0
 LCM: 2"

950 # PP

VISC: 59
 WT: 9.1
 LCM: 2"

MUD CO CK VISC: 60
 FILT: 1.2 CHL: 4,000
 LCM: 1"

1000 # PP

VISC: 60
 WT: 9.1
 LCM: 2"

1100 # PP

DST #1 4263-4336
 30-45-45-60
 IF: BUILT TO BOB 16 MINS
 FF: BUILT TO BOB 21 MINS
 REC: 209 MCM 200W 300M
 315' MCM + 95W 51M
 524 TOTAL CHL 38K
 SIP: 1202-1180
 IFF: 41-76 FFP: 182-271
 TEMP: 120°

DST #3 4304-4387
 30-45-30-45
 IF: NO BLOW
 REC: 10' MUD
 SIP: 771-617
 IFF: 30-33 FFP: 33-34
 TEMP: 116°

SHORT TRIP V. TIGHT!
 COND HOLE 2 HRS
 MUD CO CK VISC: 60
 FILT: 1.2 CHL: 4,000
 LCM: 1"

DST #2 4232-4387
 30-45-30-45
 IF: NO BLOW
 REC: 10' MUD
 SIP: 771-617
 IFF: 30-33 FFP: 33-34
 TEMP: 116°

MUD CO CK VISC: 43 WT: 9.1
 FILT: 9.6 CHL: 6,300
 ADDING PRE-MIX
 EXC

VISC: 58
 WT: 9.5

DST #4 4444-4570
 30-45-30-30 DIED 3 MINS
 IF: NO BLOW
 REC: 2' MUD
 SIP: 1084-804
 IFF: 47-51 FFP: 53-53
 TEMP: 120°

VISC: 54
 WT: 9.5

DST #6 4567-4596
 30-30-15-15
 IF: WEAK 1/2 BLOW DIED 15 MINS
 REC: 65' MUD
 SIP: 995-893
 IFF: 44-56 FFP: 59-65
 TEMP: 118°

SHT = BULLSEYE!
 MUD CO CK VISC: 56
 FILT: 9.6
 WT: 9.5 CHL: 7,300
 LCM: 1"

VISC: 58
 WT: 9.5

MUD CO CK VISC: 52
 FILT: 10.4
 WT: 9.6 CHL: 8,000
 LCM: 1"

VISC: 55
 WT: 9.6

10:12 AM SAT 8/10/22
 PULLED 10 STD. STRIP
 COND HOLE 1 1/2 HRS
 CAME OUT FOR LOGS.

RTD = 4730'
 LTD = 4731'



Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 DARRAH OIL
 C/O JOHN JAY DARRAH JR
 PO BOX 2786
 WICHITA, KS 67201-2786

Invoice Date: 8/3/2022
 Invoice #: 0362310
 Lease Name: Baker
 Well #: 1-15 (New)
 County: Logan, Ks
 Job Number: WP3174
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	22.500	4,500.00
Light Eq Mileage	35.000	2.000	70.00
Heavy Eq Mileage	70.000	4.000	280.00
Ton Mileage	347.000	1.500	520.50
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Blending & Mixing	200.000	1.400	280.00
Service Supervisor	1.000	275.000	275.00

Total 6,925.50

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 DARRAH OIL
 C/O JOHN JAY DARRAH JR
 PO BOX 2786
 WICHITA, KS 67201-2786

Invoice Date: 8/14/2022
 Invoice #: 0362635
 Lease Name: Baker
 Well #: 1-15
 County: Logan, Ks
 Job Number: WP3226
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
PTA	0.000	0.000	0.00
H-Plug	255.000	14.000	3,570.00
Wooden plug 8 5/8"	1.000	175.000	175.00
Light Eq Mileage	35.000	2.000	70.00
Heavy Eq Mileage	70.000	4.000	280.00
Ton Mileage	398.000	1.500	597.00
Depth Charge 2001'-3000'	1.000	2,000.000	2,000.00
Cement Blending & Mixing	255.000	1.400	357.00
Service Supervisor	1.000	275.000	275.00

Net Invoice 7,324.00
 Sales Tax: 448.10
Total 7,772.10

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

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WE APPRECIATE YOUR BUSINESS!



CEMENT TREATMENT REPORT

Customer: Darrah Oil Co	Well: Baker #1-15	Ticket: WP 3226
City, State: Russell Springs KS	County: Logan KS	Date: 8/14/2022
Field Rep: Jesus	S-T-R: 15-14S-34W	Service: PTA

Downhole Information	Calculated Slurry - Lead	Calculated Slurry - Tail
Hole Size: 7 7/8 in	Blend: H-Plug	Blend:
Hole Depth: 4730 ft	Weight: 13.8 ppg	Weight: ppg
Casing Size: in	Water / Sx: 6.9 gal / sx	Water / Sx: gal / sx
Casing Depth: ft	Yield: 1.42 ft ³ / sx	Yield: ft ³ / sx
Tubing / Liner: in	Annular Bbls / Ft.: 0.0406 bbs / ft.	Annular Bbls / Ft.: bbs / ft.
Depth: ft	Depth: 2450 ft	Depth: ft
Tool / Packer:	Annular Volume: 99.5 bbls	Annular Volume: 0 bbls
Tool Depth: ft	Excess:	Excess:
Displacement: bbls	Total Slurry: 64.4 bbls	Total Slurry: 0.0 bbls
	Total Sacks: 255 sx	Total Sacks: 0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
1:49 AM			-	-	Arrived on location
1:59 AM			-	-	Safety meeting
2:09 AM			-	-	Rigged up
2:45 AM	3.0	350.0	5.0	5.0	Water ahead
2:47 AM	4.1	450.0	12.6	17.6	Mixed 50 sacks H-Plug cement 13.8 ppg @ 2450'
2:50 AM	3.3	200.0	5.0	22.6	Begin displacement
2:56 AM				22.6	Pumped mud with rig pump for 1:50 minutes
				22.6	
4:03 AM	2.7	100.0	5.0	27.6	Water ahead
4:05 AM	5.2	275.0	25.2	52.8	Mixed 100 sacks H-Plug cement 13.8 ppg @ 1425'
4:10 AM	4.1	150.0	10.7	63.5	Begin displacement
5:17 AM	3.2	150.0	5.0		Water ahead
5:19 AM	5.5	250.0	12.6		Mixed 50 sacks H-Plug cement 13.8 ppg @ 275'
5:22 AM	2.0	100.0	0.5		Begin displacement
6:22 AM	2.3	100.0	7.5		Mixed 30 sacks H-Plug cement for rat hole plug @ 13.8 ppg
6:30 AM	2.3	100.0	3.7		Mixed 15 sacks H-Plug cement for mouse hole plug @ 13.8 ppg
6:36 AM	2.3	100.0	2.5		Mixed 10 sacks H-Plug cement with wooden plug for top 40'
6:37 AM					Plug down
6:39 AM					Washed up and rigged down
7:05 AM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	3.3 bpm	194 psi	95 bbls
Bulk #1:	Kale	205			
Bulk #2:					

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



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

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

Laura Kelly, Governor

December 08, 2022

Cooper Seely
Darrah Oil Company, LLC
125 N MARKET SUITE 1015
WICHITA, KS 67202-1700

Re: ACO-1
API 15-109-21638-00-00
BAKER 1-15
NW/4 Sec.15-14S-34W
Logan County, Kansas

Dear Cooper Seely:

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

The above referenced well was spudded on 8/3/2022 and the ACO-1 was received on December 05, 2022 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department