

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)</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	Arcadian Resources, LLC
Well Name	FISHER 22-1
Doc ID	1734383

All Electric Logs Run

DUCP LOG
DIL LOG
MEL LOG
BOND LOG

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Arcadian Resources, LLC

LEASE Fisher #22-1

FIELD Wet Beaver

LOCATION 2167th FSL & 1142nd FEL

SEC 22 TWPSP 5S RGE 37W

COUNTY Cheyenne STATE Kansas

CONTRACTOR White Knight Drilling

SPUD 1/18/23 COMP 1/30/23

RTD 4745' LTD 4745'

MUD UP 3100' TYPE MUD Chemical

SAMPLES SAVED FROM 3800' TO RTD

DRILLING TIME KEPT FROM 3800' TO RTD

SAMPLES EXAMINED FROM 3800' TO RTD

GEOLOGICAL SUPERVISION FROM 3400'

REFERENCE WELL CND/DLI: MJC

ELEVATIONS
KB 3406'

DF

GL 3400'

Measurements Are All From Kelly Bushing

CASING

CONDUCTOR

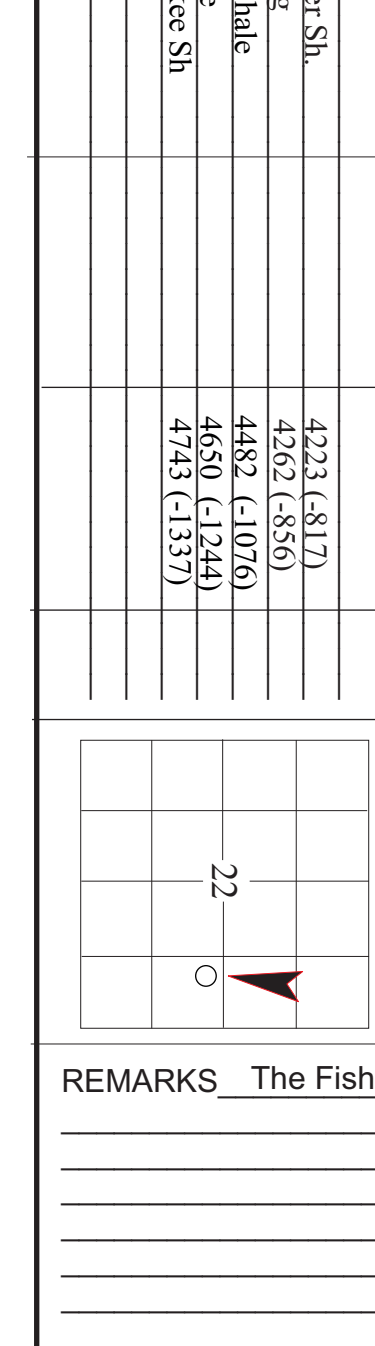
SURFACE 8-5/8" at 346'

PRODUCTION 5.5"

ELECTRICAL SURVEYS

ELL

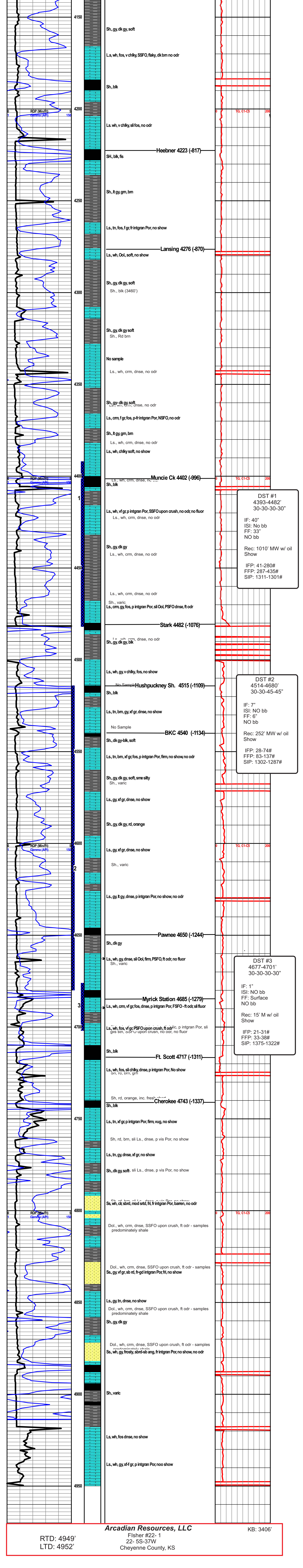
Formation	Sample Tops	E-log Tops	Struct. Foss.
Heebner Sh	4223 (-817)	4223 (-817)	
Lansing	4262 (-856)	4262 (-856)	
Stark Shale	4482 (-1076)	4482 (-1076)	
Pawnee	4650 (-1244)	4650 (-1244)	
Cherokee Sh	4743 (-1337)	4743 (-1337)	



REMARKS The Fisher #22-1 will be completed as a SWD.

Respectfully Submitted,

Sean Deenihan



DST #1
4393-4482'
30-30-30-30"
IF: 40"
ISI: No bb
FF: 33"
NO bb
Rec: 1010' MW w/ oil Show
IFP: 41-280#
FFP: 287-435#
SIP: 1311-1301#

DST #2
4514-4680'
30-30-45-45"
IF: 7"
ISI: NO bb
FF: 6"
NO bb
Rec: 252' MW w/ oil Show
IFP: 28-74#
FFP: 83-137#
SIP: 1302-1287#

DST #3
4677-4701'
30-30-30-30"
IF: 1"
ISI: NO bb
FF: Surface
NO bb
Rec: 15' M w/ oil Show
IFP: 21-31#
FFP: 33-38#
SIP: 1375-1322#

RTD: 4949' LTD: 4952' Arcadian Resources, LLC Fisher #22-1 22-5S-37W Cheyenne County, KS KB: 3406'



DRILL STEM TEST REPORT

Prepared For: **Arcadian Resources LLC**

313 E Kansas St
Glen Elder, KS 67446

ATTN: Sean Deenihan

Fisher #22-1

32-5s-37w Cheyenne, KS

Start Date: 2023.06.28 @ 00:33:00

End Date: 2023.06.28 @ 08:10:00

Job Ticket #: 69718 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.06.28 @ 10:53:46



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69718

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 00:33:00

GENERAL INFORMATION:

Formation: **Lansing J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:31:00

Time Test Ended: 08:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Nathan Aneas

Unit No: 71

Interval: 4393.00 ft (KB) To 4482.00 ft (KB) (TVD)

Reference Elevations: 3406.00 ft (KB)

Total Depth: 4482.00 ft (KB) (TVD)

3400.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8353

Inside

Press@RunDepth: 475.42 psig @ 4394.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.28

End Date:

2023.06.28

Last Calib.:

2023.06.28

Start Time: 00:33:01

End Time:

08:10:00

Time On Btm:

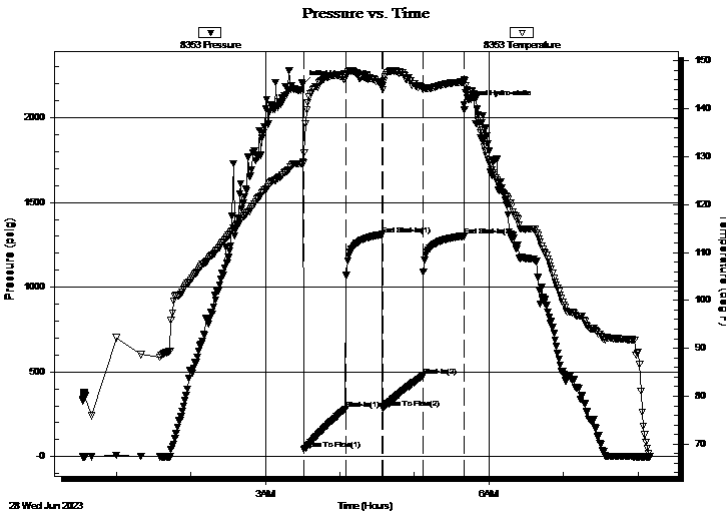
2023.06.28 @ 03:30:15

Time Off Btm:

2023.06.28 @ 05:40:00

TEST COMMENT: 30:IF- Fair surface blow , BOB in 5 min, final is 39 3/4"
30:IS- No blow back
30:FF- Fair surface blow , BOB in 8 min, final is 33 1/4"
30:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.76	128.94	Initial Hydro-static
1	40.80	128.76	Open To Flow (1)
35	280.44	146.47	Shut-In(1)
64	1310.69	145.49	End Shut-In(1)
65	286.74	144.03	Open To Flow (2)
97	475.42	144.32	Shut-In(2)
130	1300.75	145.57	End Shut-In(2)
130	2077.88	145.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 90%W 10%M (Oil in tool)	0.31
945.00	MW 85%W 15%M	13.26

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69718

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 00:33:00

GENERAL INFORMATION:

Formation: **Lansing J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:31:00

Time Test Ended: 08:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Nathan Aneas

Unit No: 71

Interval: 4393.00 ft (KB) To 4482.00 ft (KB) (TVD)

Total Depth: 4482.00 ft (KB) (TVD)

Hole Diameter: 7.87 inches Hole Condition: Fair

Reference Elevations: 3406.00 ft (KB)

3400.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8676 **Outside**

Press@RunDepth: psig @ 4394.00 ft (KB)

Start Date: 2023.06.28

End Date:

2023.06.28

Start Time: 00:33:01

End Time:

08:10:15

Capacity: 8000.00 psig

Last Calib.:

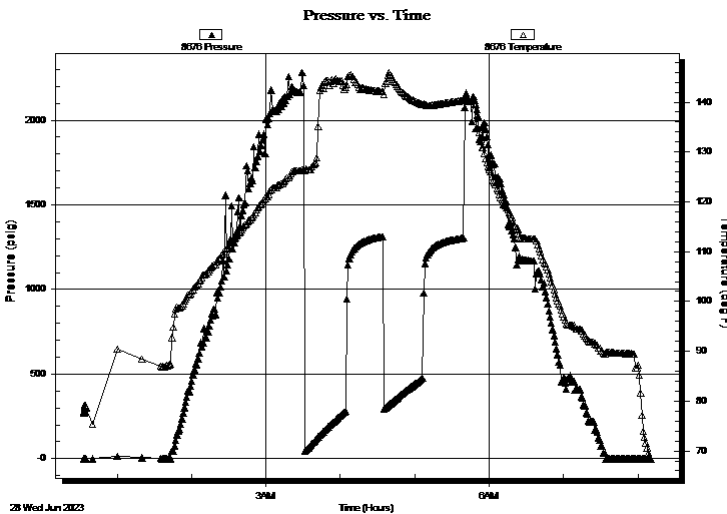
2023.06.28

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Fair surface blow , BOB in 5 min, final is 39 3/4"
30:IS- No blow back
30:FF- Fair surface blow , BOB in 8 min, final is 33 1/4"
30:FS- No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 90%W 10%M (Oil in tool)	0.31
945.00	MW 85%W 15%M	13.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69718

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 00:33:00

Tool Information

Drill Pipe:	Length: 4312.00 ft	Diameter: 3.80 inches	Volume: 60.49 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 63.00 ft	Diameter: 2.25 inches	Volume: 0.31 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4393.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	122.00 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			4361.00	
Shut In Tool	5.00			4366.00	
Hydraulic tool	5.00			4371.00	
Jars	5.00			4376.00	
EM Tool	4.00			4380.00	
Safety Joint	3.00			4383.00	
Packer	5.00			4388.00	33.00 Bottom Of Top Packer
Packer	5.00			4393.00	
Stubb	1.00			4394.00	
Recorder	0.00	8353	Inside	4394.00	
Recorder	0.00	8676	Outside	4394.00	
Perforations	20.00			4414.00	
Change Over Sub	1.00			4415.00	
Blank Spacing	63.00			4478.00	
Change Over Sub	1.00			4479.00	
Bullnose	3.00			4482.00	89.00 Bottom Packers & Anchor
Total Tool Length:	122.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69718

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 00:33:00

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:

40000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in³

Gas Cushion Type:

Resistivity: 0.23 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	MW 90%W 10%M (Oil in tool)	0.310
945.00	MW 85%W 15%M	13.256

Total Length: 1008.00 ft Total Volume: 13.566 bbl

Num Fluid Samples: 0

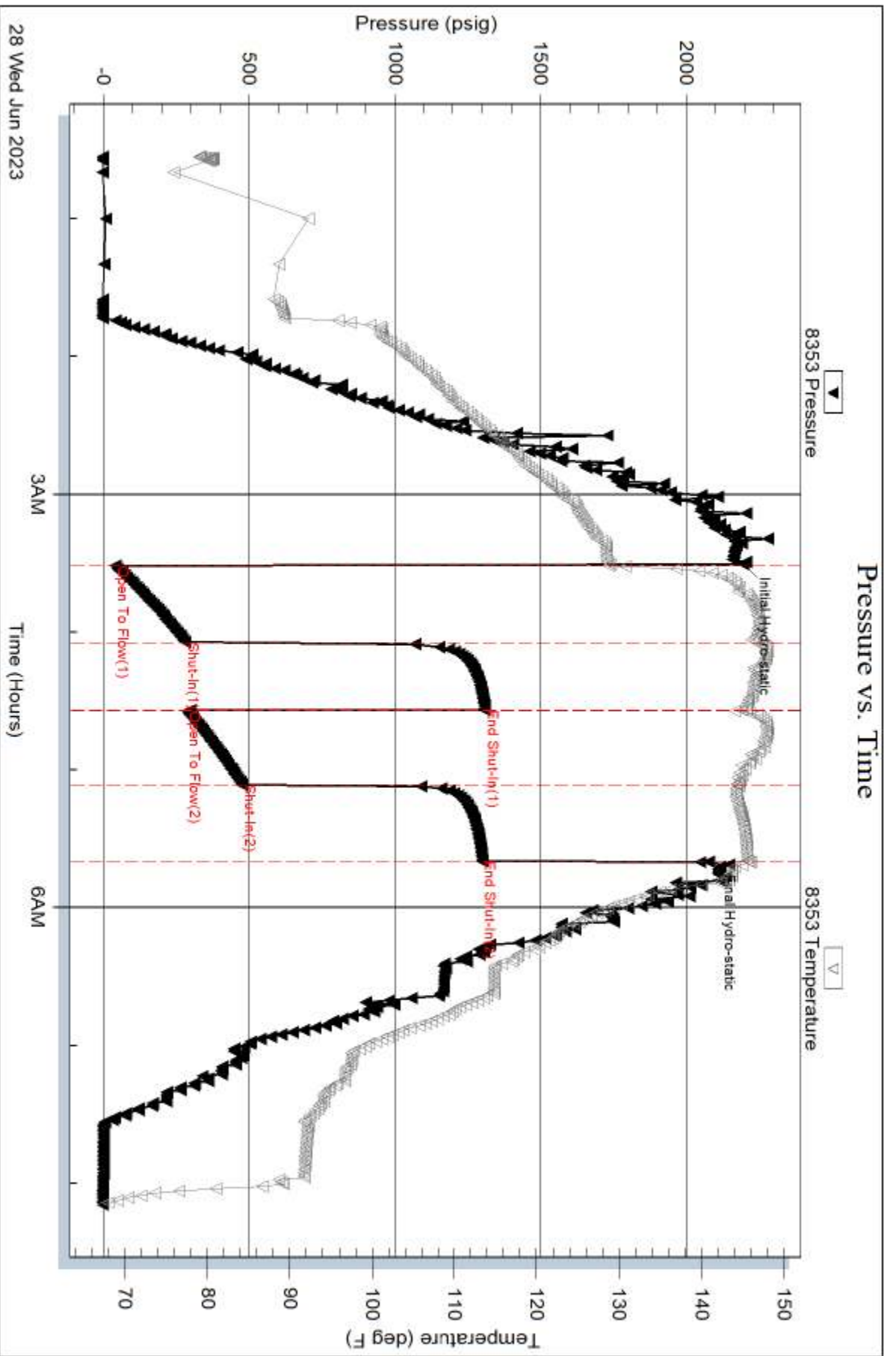
Num Gas Bombs: 0

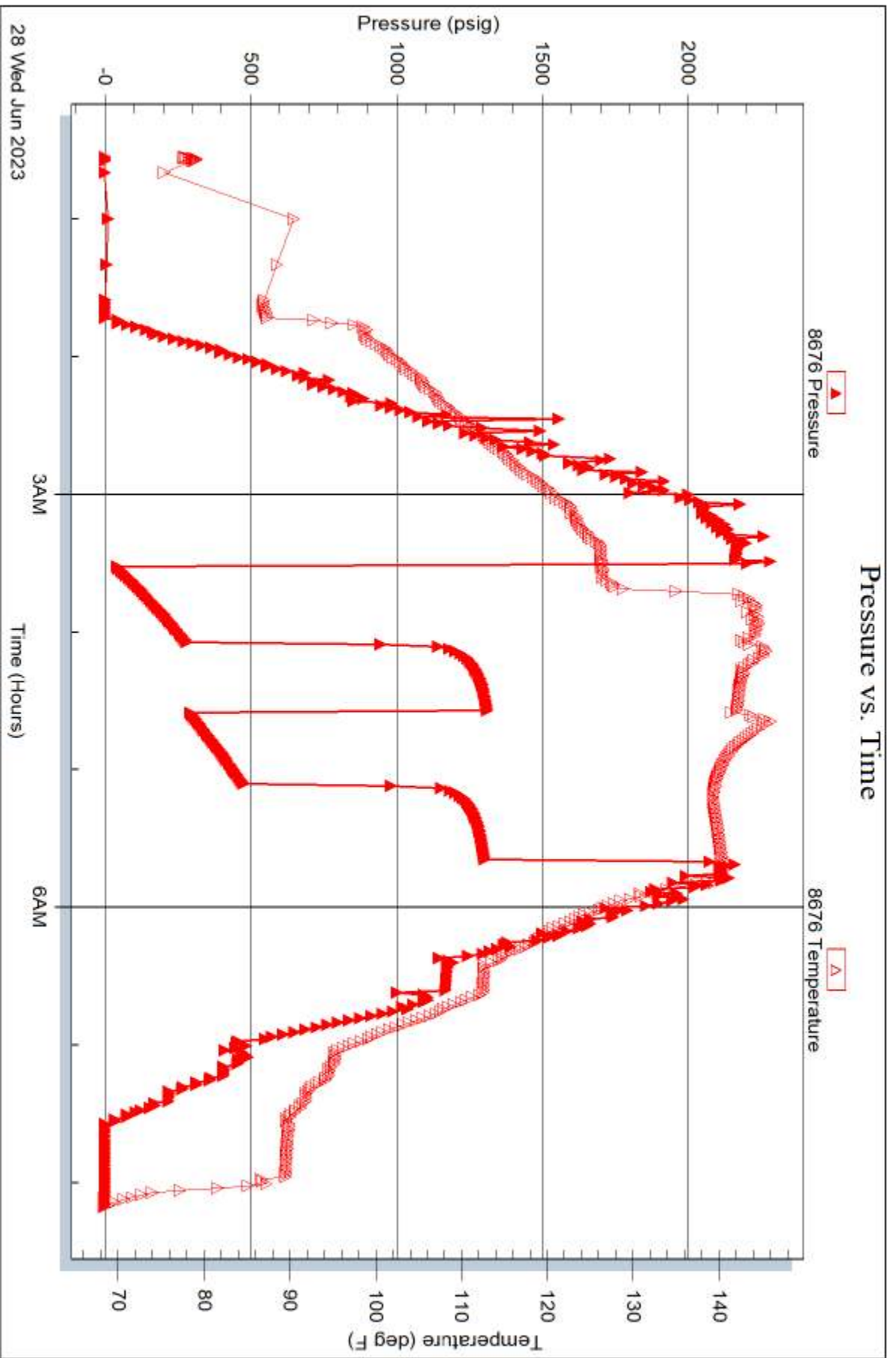
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .230@ 65 deg= 40,000 ppm







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69719

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 20:32:00

GENERAL INFORMATION:

Formation: **Marmaton, Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:27:45

Time Test Ended: 03:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 4514.00 ft (KB) To 4680.00 ft (KB) (TVD)

Reference Elevations: 3406.00 ft (KB)

Total Depth: 4680.00 ft (KB) (TVD)

3400.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8353

Inside

Press@RunDepth: 136.95 psig @ 4515.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.28

End Date:

2023.06.29

Last Calib.:

2023.06.29

Start Time: 20:32:01

End Time:

03:18:30

Time On Btm:

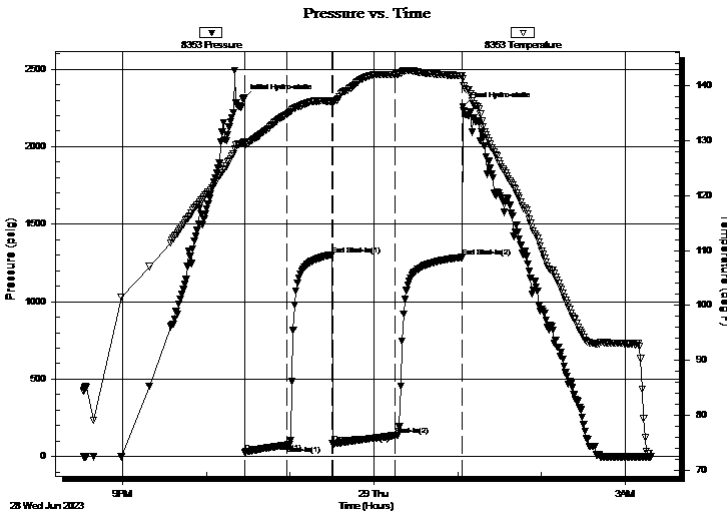
2023.06.28 @ 22:27:00

Time Off Btm:

2023.06.29 @ 01:03:45

TEST COMMENT: 30:IF- Weak surface blow , built to 2 1/2" in 5 min, final is 7 1/4"
30:IS- No blow back
45:FF- Weak surface blow , built to 1 1/2" in 10 min, final is 6"
45:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.19	129.68	Initial Hydro-static
1	27.65	129.21	Open To Flow (1)
31	74.36	134.78	Shut-In(1)
63	1302.01	137.18	End Shut-In(1)
64	83.02	137.01	Open To Flow (2)
109	136.95	142.05	Shut-In(2)
156	1286.47	141.78	End Shut-In(2)
157	2259.73	141.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 80%W 20%M (Spots of oil in tool)	0.31
189.00	MW 95%W 5%M	2.65

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69719

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 20:32:00

GENERAL INFORMATION:

Formation: **Marmaton, Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:27:45

Time Test Ended: 03:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: **4514.00 ft (KB) To 4680.00 ft (KB) (TVD)**

Reference Elevations: 3406.00 ft (KB)

Total Depth: 4680.00 ft (KB) (TVD)

3400.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8676

Outside

Press@RunDepth: psig @ 4515.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.28 End Date: 2023.06.29

Last Calib.: 2023.06.29

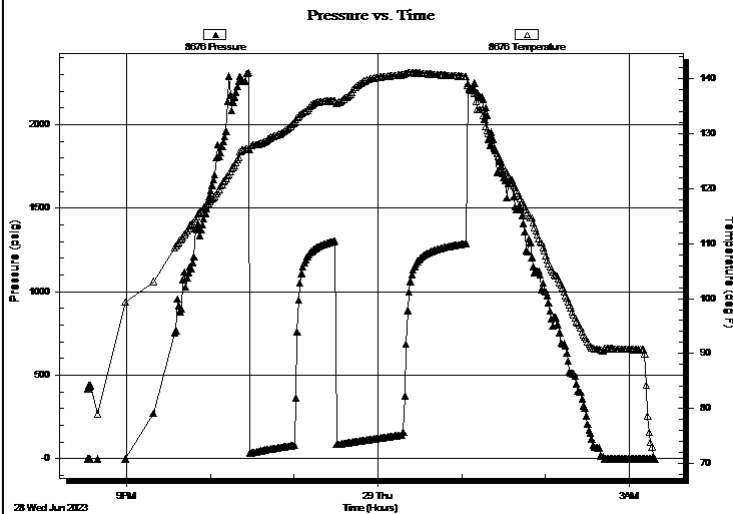
Start Time: 20:32:01 End Time: 03:18:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 2 1/2" in 5 min, final is 7 1/4"
30:IS- No blow back
45:FF- Weak surface blow , built to 1 1/2" in 10 min, final is 6"
45:FS- No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 80%W 20%M (Spots of oil in tool)	0.31
189.00	MW 95%W 5%M	2.65

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69719

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.06.28 @ 20:32:00

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:

55000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.17 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MW 80%W 20%M (Spots of oil in tool)	0.310
189.00	MW 95%W 5%M	2.651

Total Length: 252.00 ft Total Volume: 2.961 bbl

Num Fluid Samples: 0

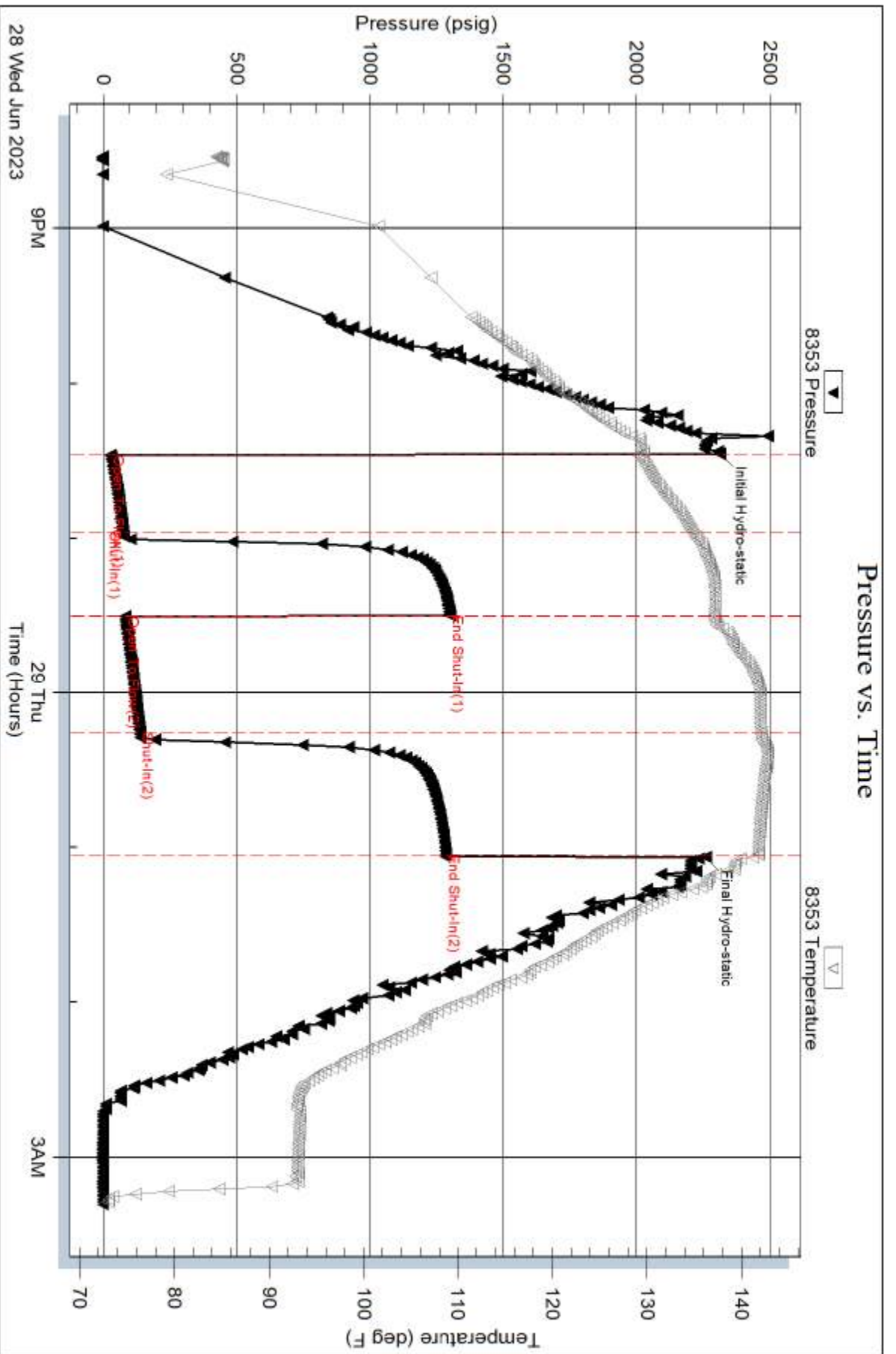
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .175@ 65 deg= 55,000 ppm

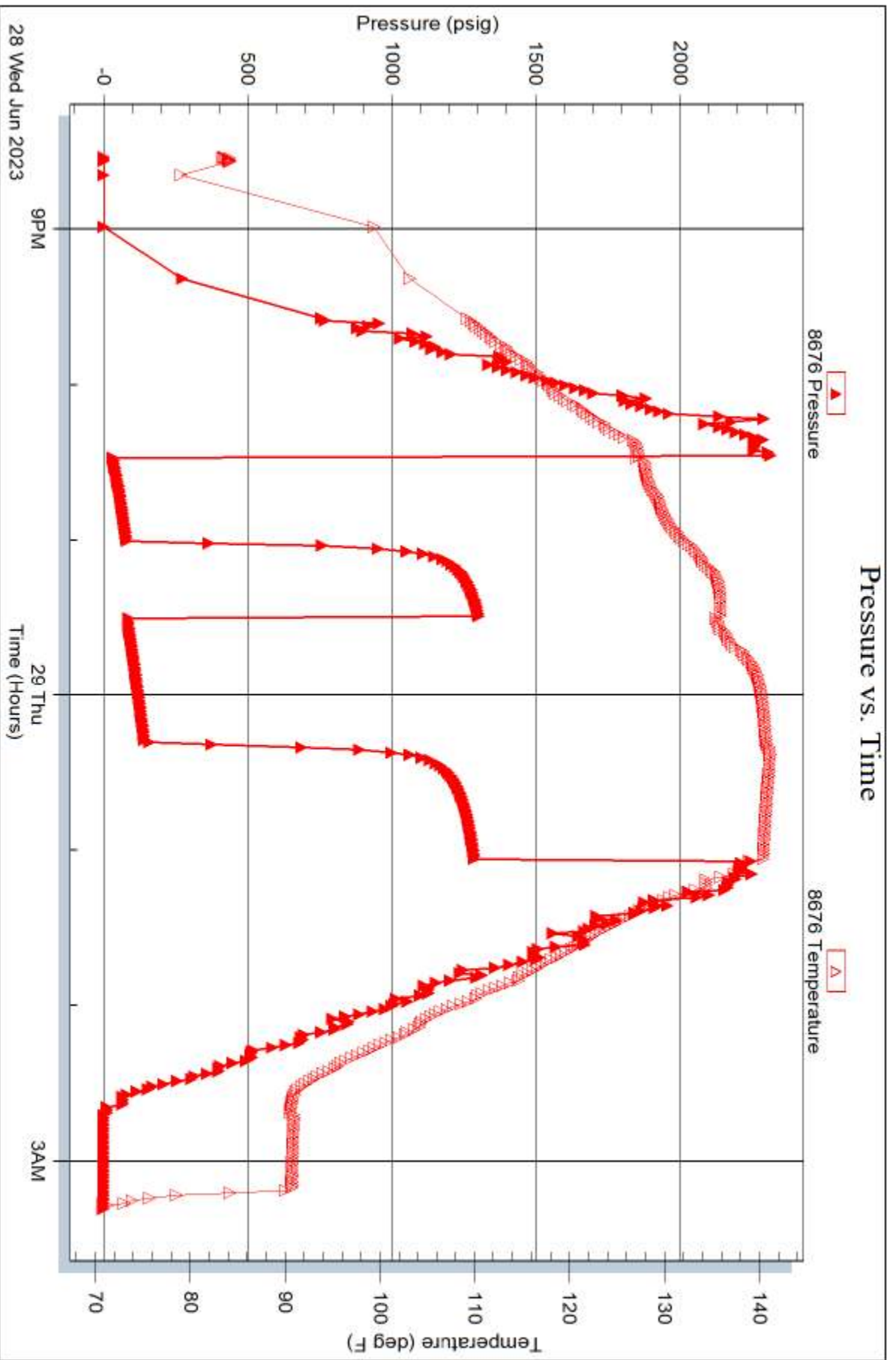


Serial #: 8676

Outside Arcadian Resources LLC

Fisher #22-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69719

Printed: 2023.06.29 @ 08:05:08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69720

DST#: 3

ATTN: Sean Deenihan

Test Start: 2023.06.30 @ 00:07:00

GENERAL INFORMATION:

Formation: **Myrick Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:45

Time Test Ended: 07:02:00

Test Type: Conventional Straddle (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 4677.00 ft (KB) To 4701.00 ft (KB) (TVD)

Reference Elevations: 3406.00 ft (KB)

Total Depth: 4953.00 ft (KB) (TVD)

3400.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8353

Inside

Press@RunDepth: 37.81 psig @ 4678.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.30

End Date: 2023.06.30

Last Calib.: 2023.06.30

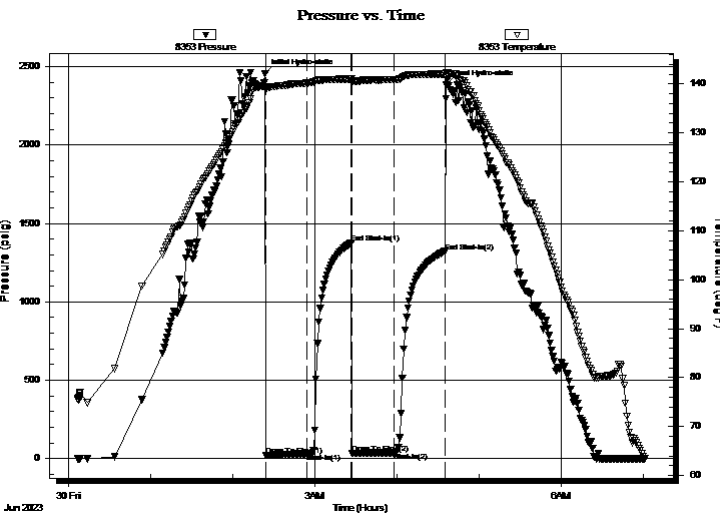
Start Time: 00:07:01

End Time: 07:02:00

Time On Btm: 2023.06.30 @ 02:24:00

Time Off Btm: 2023.06.30 @ 04:36:30

TEST COMMENT: 30:IF- Weak surface blow , built to 1/2" in 5 min, final is 1"
30:IS- No blow back
30:FF- Weak surface blow in 15 min, final stayed weak surface
30:FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2455.33	139.44	Initial Hydro-static
1	20.98	139.05	Open To Flow (1)
31	30.77	140.16	Shut-In(1)
63	1375.32	141.02	End Shut-In(1)
64	33.38	140.66	Open To Flow (2)
94	37.81	140.90	Shut-In(2)
132	1321.85	142.02	End Shut-In(2)
133	2385.54	142.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% (Trace oil)	0.07

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69720

DST#: 3

ATTN: Sean Deenihan

Test Start: 2023.06.30 @ 00:07:00

GENERAL INFORMATION:

Formation: **Myrick Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:45

Time Test Ended: 07:02:00

Interval: 4677.00 ft (KB) To 4701.00 ft (KB) (TVD)

Total Depth: 4953.00 ft (KB) (TVD)

Hole Diameter: 7.87 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Nathan Aneas

Unit No: 71

Reference Elevations: 3406.00 ft (KB)

3400.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8676 **Outside**

Press@RunDepth: psig @ 4678.00 ft (KB)

Start Date: 2023.06.30

End Date: 2023.06.30

Start Time: 00:07:01

End Time: 07:02:15

Capacity: 8000.00 psig

Last Calib.: 2023.06.30

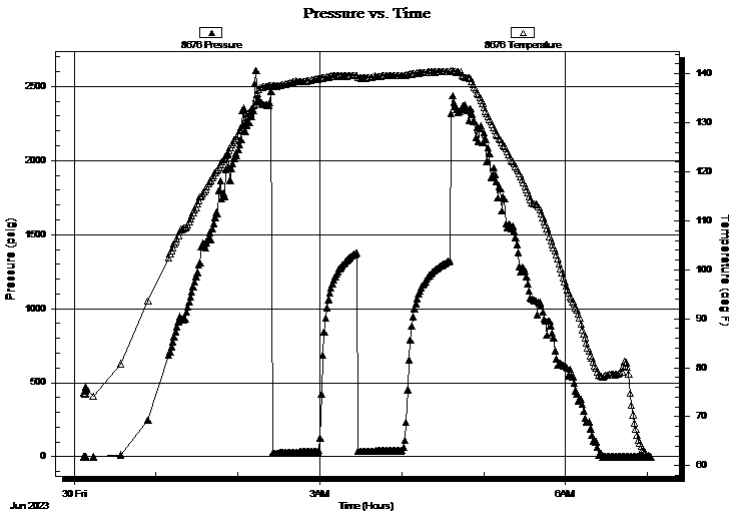
Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 1/2" in 5 min, final is 1"
30:IS- No blow back
30:FF- Weak surface blow in 15 min, final stayed weak surface
30:FS- No blow back

PRESSURE SUMMARY

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



Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% (Trace oil)	0.07

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69720

DST#: 3

ATTN: Sean Deenihan

Test Start: 2023.06.30 @ 00:07:00

GENERAL INFORMATION:

Formation: **Myrick Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:45

Time Test Ended: 07:02:00

Test Type: Conventional Straddle (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 4677.00 ft (KB) To 4701.00 ft (KB) (TVD)

Reference Elevations: 3406.00 ft (KB)

Total Depth: 4953.00 ft (KB) (TVD)

3400.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8646

Below (Straddle)

Press@RunDepth: psig @ 4703.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.30

End Date: 2023.06.30

Last Calib.: 2023.06.30

Start Time: 00:07:01

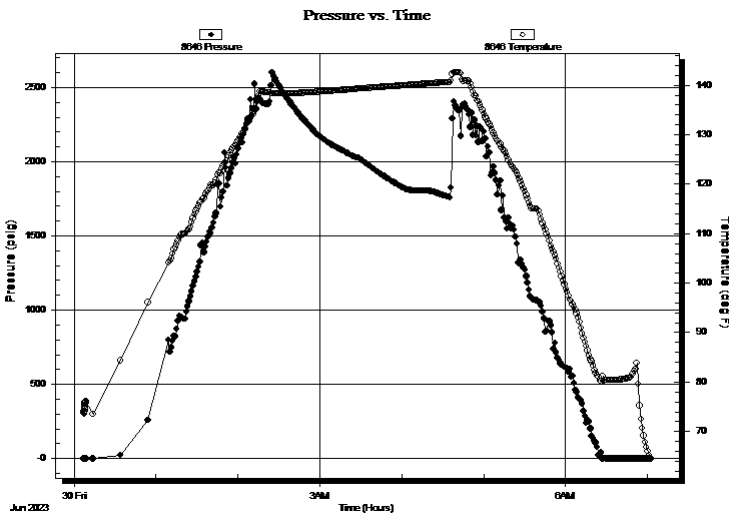
End Time: 07:02:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 1/2" in 5 min, final is 1"
30:IS- No blow back
30:FF- Weak surface blow in 15 min, final stayed w eak surface
30:FS- No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% (Trace oil)	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Arcadian Resources LLC

32-5s-37w Cheyenne, KS

313 E Kansas St
Glen Elder, KS 67446

Fisher #22-1

Job Ticket: 69720

DST#: 3

ATTN: Sean Deenihan

Test Start: 2023.06.30 @ 00:07:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100% (Trace oil)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

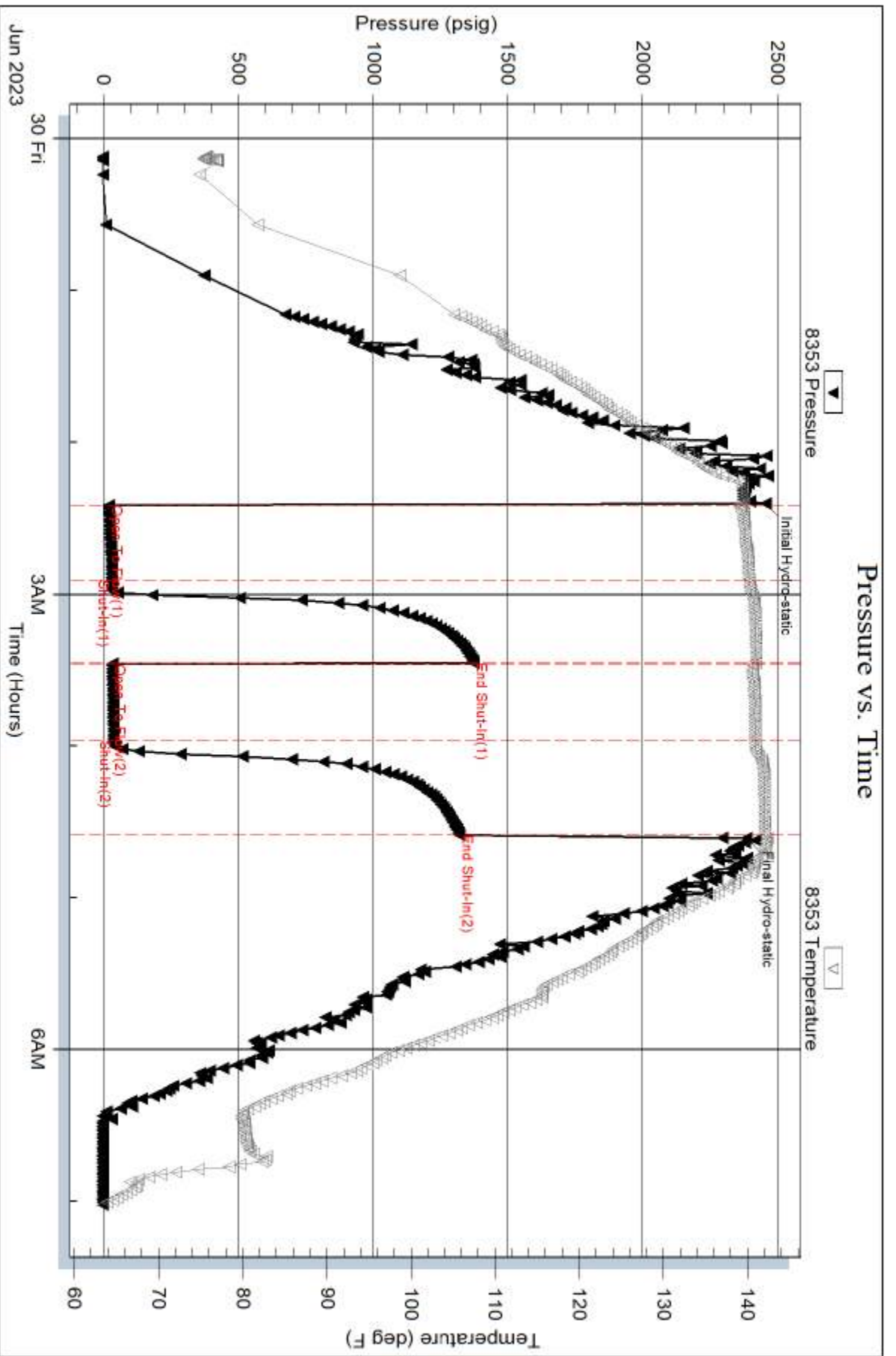
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

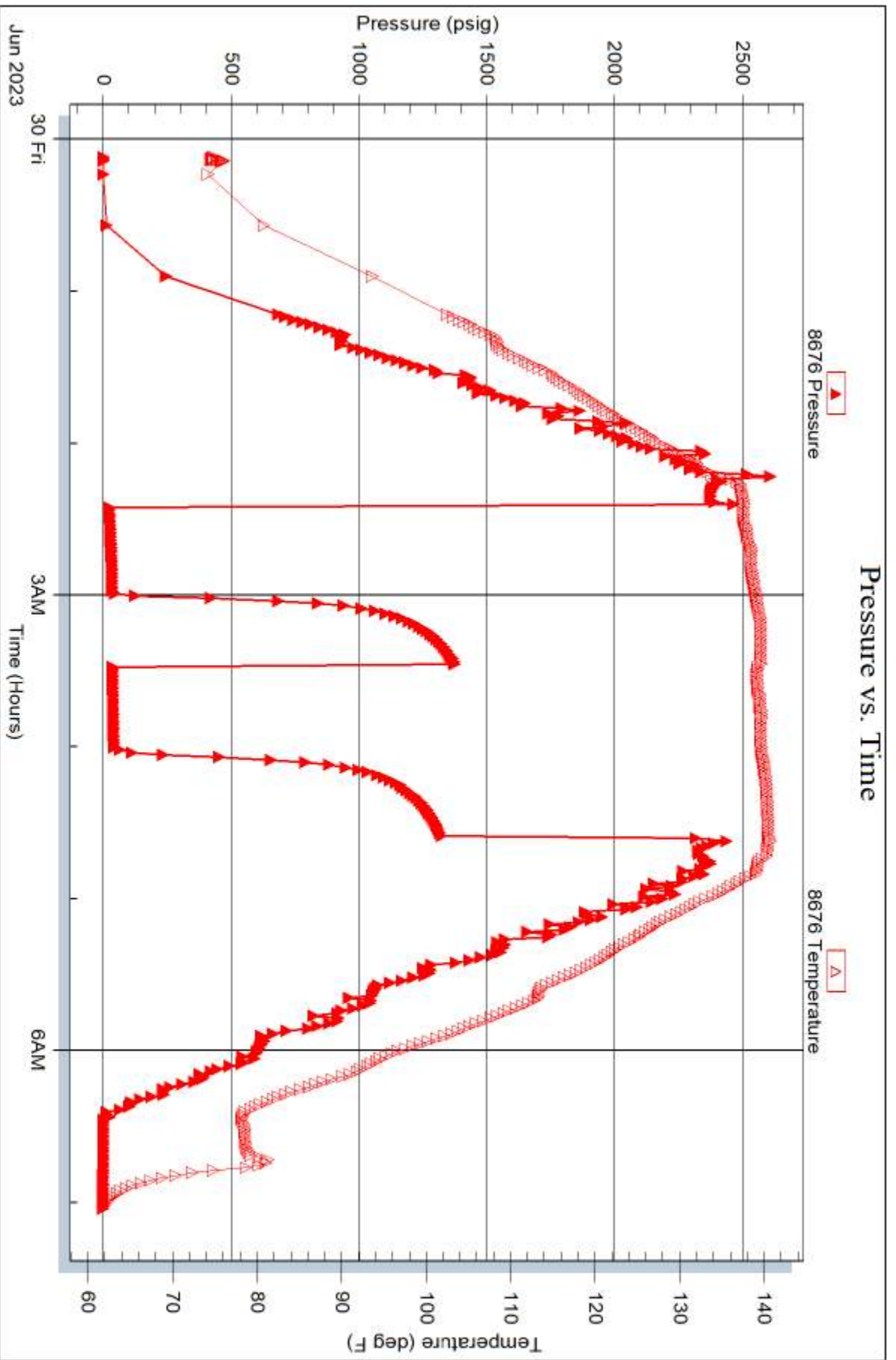


Serial #: 8676

Outside Arcadian Resources LLC

Fisher #22-1

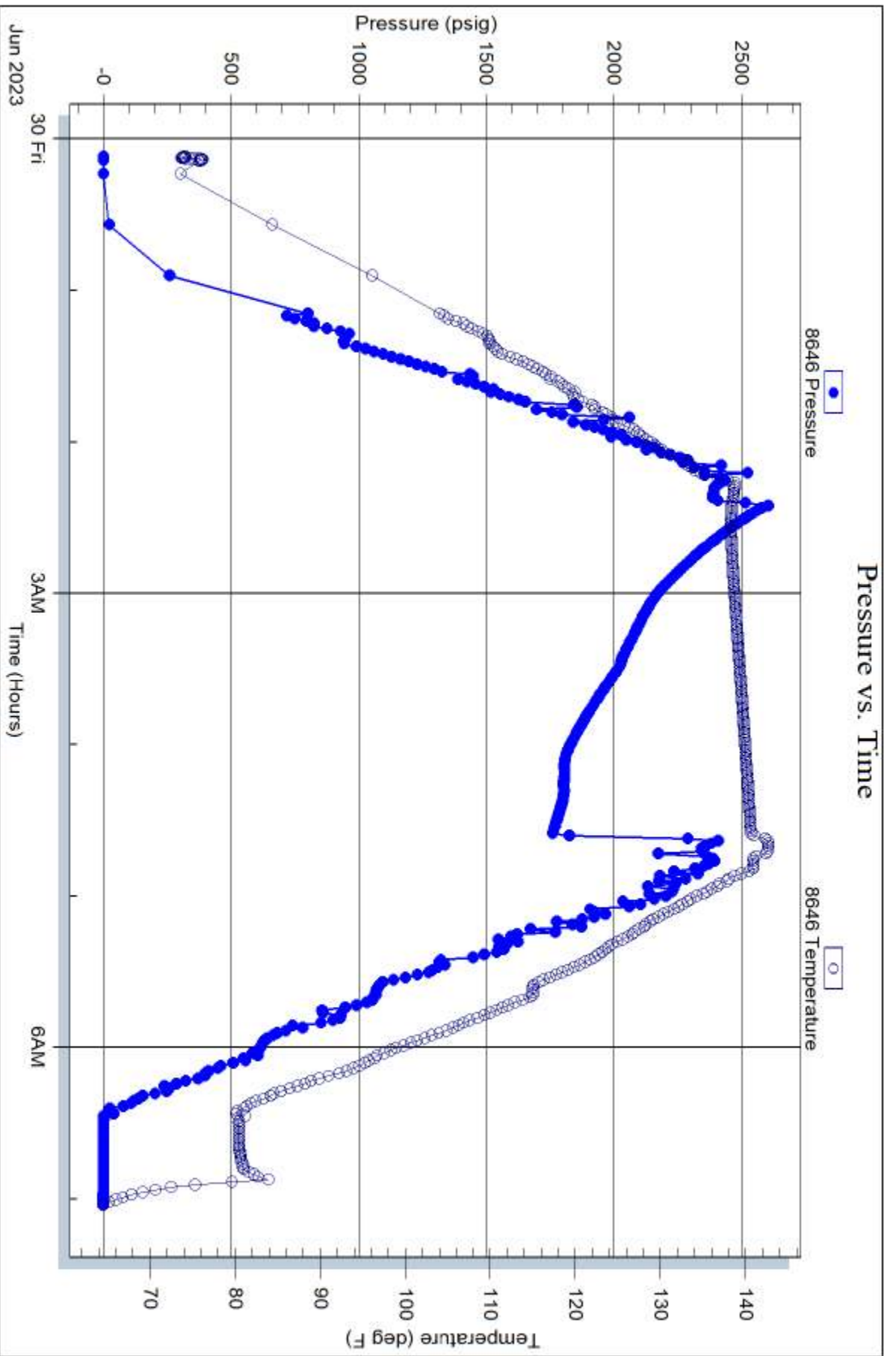
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 69720

Printed: 2023.06.30 @ 08:12:38





416 Main Street
 P.O. Box 225
 Victoria, KS 67671
 Office (785) 639-3949
 24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
6/24/2023	0990

Please Pay from this Invoice.
 Remit Payment to:
 416 Main Street PO BOX 225
 Victoria, KS 67671
 Billing Questions-Call Tianna at
 (785) 639-3949
 Email: franksoilfield@yahoo.com

KCC License Number
 35469

Bill To
Arcadian Resources 313 E. Kansas St Glen Elder, KS 67446

County/State	Lease/Well#	Terms	Job Type
Cheyenne County, KS	Fisher 22-1	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	75	6.50	487.50
12.4 tons at 75 miles	930	1.50	1,395.00
Surface Blend	250	25.50	6,375.00T
Discount		-470.37	-470.37

Thank-
you!

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.

We appreciate your business and look forward to serving you again!

Subtotal	\$8,937.13
Sales Tax (8.5%)	\$514.78
Balance Due	\$9,451.91

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0990
 LOCATION Nowle
 FOREMAN Preston

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-24-23		Fisher #22-1	22	5	37	Cheyenne
CUSTOMER <u>Acadica Resources, LLC</u>			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE						

JOB TYPE surface HOLE SIZE 12 1/4" HOLE DEPTH 348' CASING SIZE & WEIGHT 8 5/8" 23"
 CASING DEPTH 348' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8" SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, Rig up on Double D Drilling, mix 250 sacks common 3% cc w/ 2% gel.
Displacement 21366. Shut well in.

cement did circulate

Truck #
Preston

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	1	PUMP CHARGE	\$1150.00	\$1150.00
MO01	75	MILEAGE	\$6.50	\$487.50
MO02	12.4 tons	Ton mileage Delivery	\$1395.00	\$1395.00
CB004	250 sacks	common 3% cc w/ 2% gel.	\$75.50	\$18,375.00
			Subtotal	\$9,407.50
			minus 5% disk.	\$470.37
			Subtotal	\$8,937.13
			SALES TAX	514.78
			ESTIMATED TOTAL	9451.91

AUTHORIZATION [Signature] TITLE Tech. Pumper DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



HURRICANE SERVICES INC

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

Customer:

ARCADIAN RESOURCES LLC
313 E KANSAS ST
GLEN ELDER, KS 67446

Invoice Date: 7/1/2023
Invoice #: 0369662
Lease Name: Fisher
Well #: 22-1 (New)
County: Cheyenne, Ks
Job Number: WP4467
District: Oakley

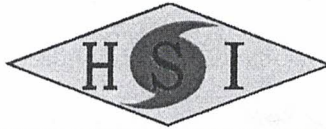
Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-CON	375.000	25.000	9,375.00
H-Long	175.000	35.000	6,125.00
Type A Packer shoe 5 1/2"	1.000	1,750.000	1,750.00
5 1/2" LD Plug & Baffle	1.000	350.000	350.00
5 1/2" Turbolizers	4.000	125.000	500.00
Cement baskets 5 1/2"	3.000	300.000	900.00
5 1/2" Stop Ring	3.000	30.000	90.00
Mud flush	500.000	1.000	500.00
Cement Friction Reducer	50.000	8.000	400.00
KCL-CS701	2.000	30.000	60.00
Light Eq Mileage	65.000	2.000	130.00
Heavy Eq Mileage	195.000	4.000	780.00
Ton Mileage	1,684.000	1.500	2,526.00
Depth Charge 3001'-4000'	1.000	2,250.000	2,250.00
Cement plug container	1.000	250.000	250.00
Cement Blending & Mixing	550.000	1.400	770.00
Service Supervisor	1.000	275.000	275.00

Total 27,031.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% 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!



Customer Arcadian Resources		Lease & Well # Fisher #22-1		Date 7/1/2023	
Service District Oakley KS		County & State Cheyenne KS		Legals S/T/R 22-5S-37W	
Job Type Longstring		<input type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input checked="" type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #		Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
Driver					
947	John	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
208	Jose V	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
180-530	Jake	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
205	Edward	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					
Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount	
CP025	H-Con	sack	375.00		\$9,375.00
CP030	H-Long	sack	175.00		\$6,125.00
FE175	5 1/2" Type A Packer Shoe	ea	1.00		\$1,750.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00		\$350.00
FE135	5 1/2 Turbolizer	ea	4.00		\$500.00
FE130	5 1/2" Cement Basket	ea	3.00		\$900.00
FE132	5 1/2" Stop Ring	ea	3.00		\$90.00
CP170	Mud Flush	gal	500.00		\$500.00
CP133	Cement Friction Reducer	lb	50.00		\$400.00
AF055	Liquid KCL Substitute	gal	2.00		\$60.00
M015	Light Equipment Mileage	mi	65.00		\$130.00
M010	Heavy Equipment Mileage	mi	195.00		\$780.00
M020	Ton Mileage	tm	1,684.00		\$2,526.00
D014	Depth Charge: 3001'-4000'	job	1.00		\$2,250.00
C050	Cement Plug Container	job	1.00		\$250.00
C060	Cement Blending & Mixing Service	sack	550.00		\$770.00
R061	Service Supervisor	day	1.00		\$275.00
Customer Section: On the following scale how would you rate Hurricane Services Inc.?					
Based on this job, how likely is it you would recommend HSI to a colleague?				Net: \$27,031.00	
<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"/>				Total Taxable \$ - Tax Rate:	
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely				Sale Tax: \$ -	
				Total: \$ 27,031.00	
HSI Representative: John Polley					

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:	Arcadian Resources	Well:	Fisher #22-1	Ticket:	WP 4467
City, State:	Brewster KS	County:	Cheyenne KS	Date:	7/1/2023
Field Rep:	Brad Parker	S-T-R:	22-5S-37W	Service:	Longstring

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-Con	Blend:	H-Long
Hole Depth:	4949 ft	Weight:	12.0 ppg	Weight:	15 ppg
Casing Size:	5 1/2 in	Water / Sx:	15.5 gal / sx	Water / Sx:	6.2 gal / sx
Casing Depth:	3121 ft	Yield:	2.56 ft ³ / sx	Yield:	1.36 ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	0.0309 bbs / ft.	Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	ft	Depth:	3121 ft	Depth:	3121 ft
Tool / Packer:		Annular Volume:	96.4 bbls	Annular Volume:	96.4389 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	71.5 bbls	Total Slurry:	170.9 bbls	Total Slurry:	42.3 bbls
		Total Sacks:	375 sx	Total Sacks:	175 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
5:15 PM			-	-	Arrived on location
5:25 PM				-	Safety meeting
5:35 PM				-	Rigged up
7:10 PM				-	Casing on bottom
7:30 PM				-	Circulated mud
10:30 PM				-	Dropped ball, circulated mud, and opened packer shoe @ 1000 psi
10:44 PM	4.0	200.0	10.0	10.0	Water ahead with 2% KCL
10:47 PM	4.0	275.0	12.0	22.0	Pumped 500 gallons mud flush
10:51 PM	4.0	300.0	10.0	32.0	Water behind with 2% KCL
10:56 PM	2.0	100.0	13.6	45.6	Mixed 30 sacks cement for rathole plug
11:05 PM	2.0	100.0	9.1	54.7	Mixed 20 sacks cement for mousehole plug
11:22 PM	5.2	475.0	148.1		Mixed 325 sacks H-Con Lead cement @ 12.0 ppg mud scale verified
11:47 PM	5.0	400.0	42.3		Mixed 175 sacks H-Long Tail cement @ 15.0 ppg mud scale verified
12:01 AM					Shut down, loaded plug, cleared pump and lines
12:08 AM	6.5	350.0	50.0		Begin water displacement
12:18 AM	4.5	500.0	11.5		Lost circulation @ 50 bbls out, slowed down to 4.5 bpm to regain
12:20 AM	3.0	500.0	10.0		Slowed down to 3 bpm 10 bbls to go still no circulation
12:23 AM		1,500.0			Plug down with 650 landing psi and 1500 bump psi
12:25 AM					Released pressure plug held with .5 bbl back to tank, no cement in cellar, but did see mud flush
12:27 AM					Washed up and rigged down
1:10 AM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	947	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	4.0 bpm	427 psi	317 bbls
Bulk #1:	Jake	180-530			
Bulk #2:	Edward	205			