

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 Recompletion Date _____ 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	LYNN 12-1
Doc ID	1733702

All Electric Logs Run

DIL
DUCP
MEL
Bond Log



DRILL STEM TEST REPORT

Prepared For: **Arcadian Resources LLC**

313 E Kansas S
Glen Elder KS 67446+9466

ATTN: Sean Deenihan

Lynn #12-1

12-5s-37w Cheyenne,KS

Start Date: 2023.05.09 @ 05:40:00

End Date: 2023.05.09 @ 12:58:26

Job Ticket #: 71504 DST #: 1

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

Printed: 2023.05.12 @ 11:41:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Arcadian Resources LLC

12-5s-37w Cheyenne,KS

313 E Kansas S
Glen Elder KS 67446+9466

Lynn #12-1

Job Ticket: 71504

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.05.09 @ 05:40:00

GENERAL INFORMATION:

Formation: **LKC H - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:20:22

Time Test Ended: 12:58:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 4375.00 ft (KB) To 4466.00 ft (KB) (TVD)

Reference Elevations: 3387.00 ft (KB)

Total Depth: 4466.00 ft (KB) (TVD)

3381.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8875

Inside

Press@RunDepth: 180.54 psig @ 4378.00 ft (KB)

Capacity: psig

Start Date: 2023.05.09

End Date:

2023.05.09

Last Calib.:

2023.05.09

Start Time: 05:40:01

End Time:

12:58:26

Time On Btm:

2023.05.09 @ 08:20:17

Time Off Btm:

2023.05.09 @ 10:29:07

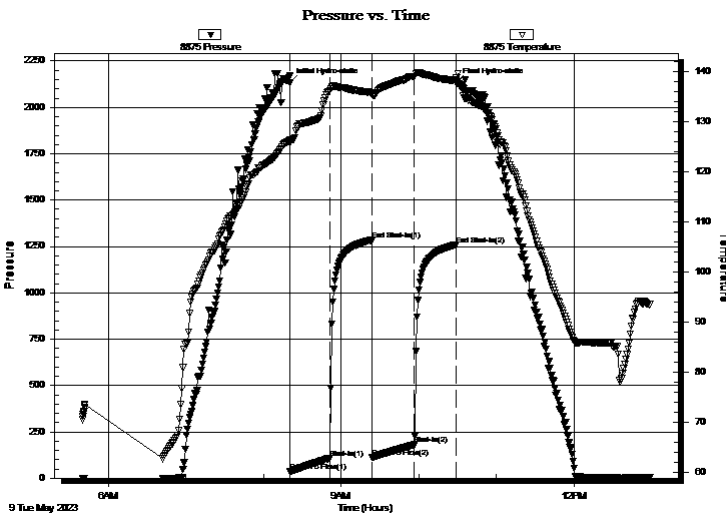
TEST COMMENT: 30-IF-Slid 2' BOB in 16 mins Built to 22"

30-ISI-Surface to 3/4"

30-FF-BOB 18 mins Built to 20"

30-FSI-Surface to 3.25"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.26	126.28	Initial Hydro-static
1	35.25	125.70	Open To Flow (1)
31	107.61	136.26	Shut-In(1)
64	1283.03	135.75	End Shut-In(1)
64	111.93	135.38	Open To Flow (2)
97	180.54	139.06	Shut-In(2)
129	1258.29	138.29	End Shut-In(2)
129	2131.93	138.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	WM 40%W 60%M	2.84
65.00	WCM 20%W 80%M	0.92
65.00	GVSOCWM 9%G 1%O 10%W 80%M	0.92
65.00	GSWCOM 5%G 2%W 13%O 80%M	0.92
20.00	GO 10%G 90%O	0.28
0.00	250 GIP 100%G	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Arcadian Resources LLC

12-5s-37w Cheyenne,KS

313 E Kansas S
Glen Elder KS 67446+9466

Lynn #12-1

Job Ticket: 71504

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.05.09 @ 05:40:00

Tool Information

Drill Pipe:	Length: 4349.00 ft	Diameter: 3.82 inches	Volume: 61.65 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	105000.0 daN
			<u>Total Volume:</u>	Tool Chased	2.00 ft
				String Weight: Initial	77000.00 daN
Drill Pipe Above KB:	6.00 ft			Final	78000.00 daN
Depth to Top Packer:	4375.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	91.00 ft				
Tool Length:	123.00 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			4344.00	
Shut In Tool	5.00			4349.00	
Hydraulic tool	5.00			4354.00	
Jars	5.00			4359.00	
Gap Sub	4.00			4363.00	
Safety Joint	3.00			4366.00	
Packer	5.00			4371.00	32.00 Bottom Of Top Packer
Packer	4.00			4375.00	
Stubb	1.00			4376.00	
Perforations	1.00			4377.00	
Change Over Sub	1.00			4378.00	
Recorder	0.00	6838	Inside	4378.00	
Recorder	0.00	8875	Inside	4378.00	
Drill Pipe	65.00			4443.00	
Change Over Sub	1.00			4444.00	
Perforations	19.00			4463.00	
Bullnose	3.00			4466.00	91.00 Bottom Packers & Anchor
Total Tool Length:	123.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Arcadian Resources LLC

12-5s-37w Cheyenne,KS

313 E Kansas S
Glen Elder KS 67446+9466

Lynn #12-1

Job Ticket: 71504

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.05.09 @ 05:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

97000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
200.00	WM 40%W 60%M	2.835
65.00	WCM 20%W 80%M	0.921
65.00	GVSOCWM 9%G 1%O 10%W 80%M	0.921
65.00	GSWCOM 5%G 2%W 13%O 80%M	0.921
20.00	GO 10%G 90%O	0.284
0.00	250 GIP 100%G	0.000

Total Length: 415.00 ft

Total Volume:

5.882 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

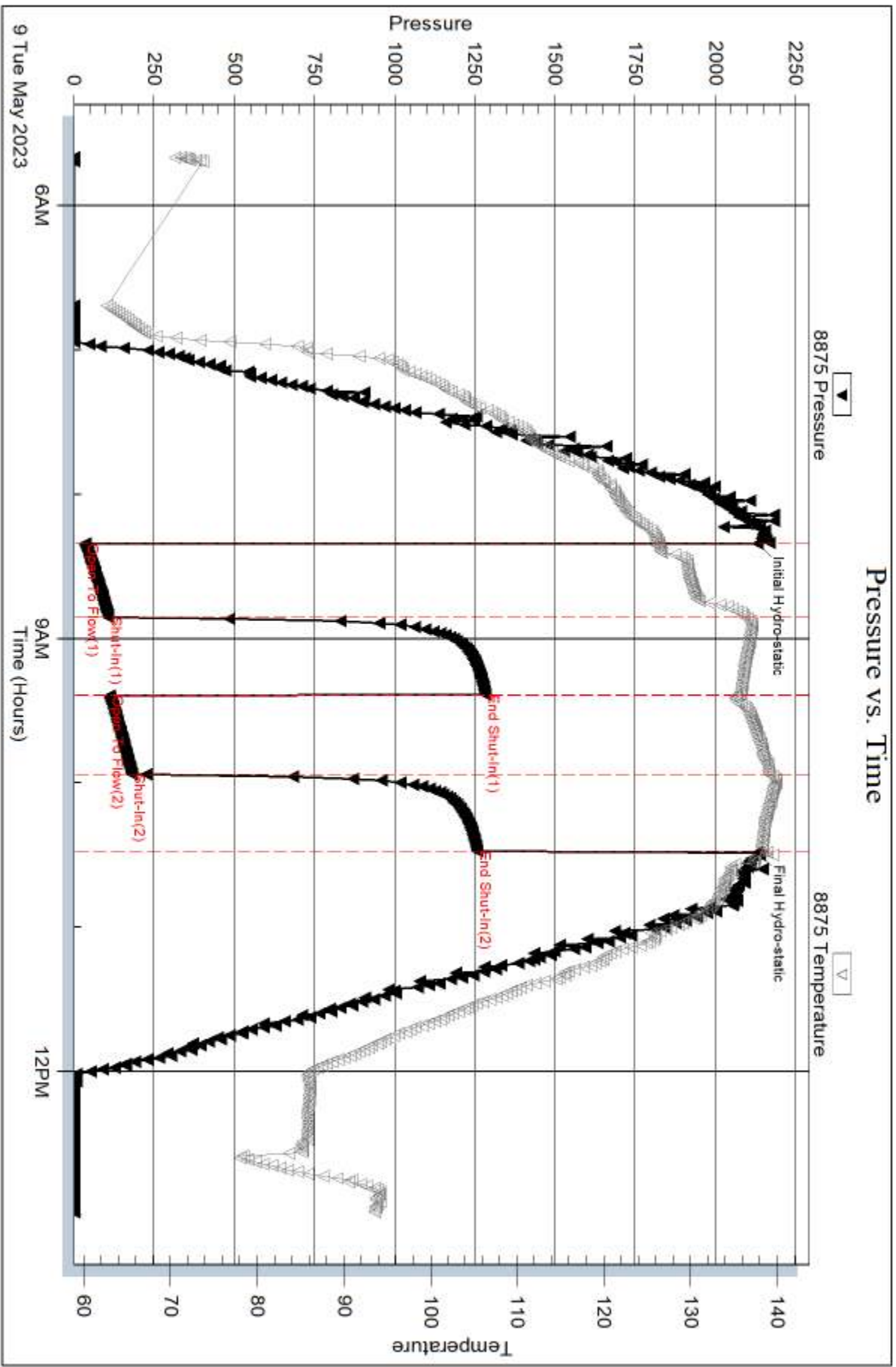
Serial #:

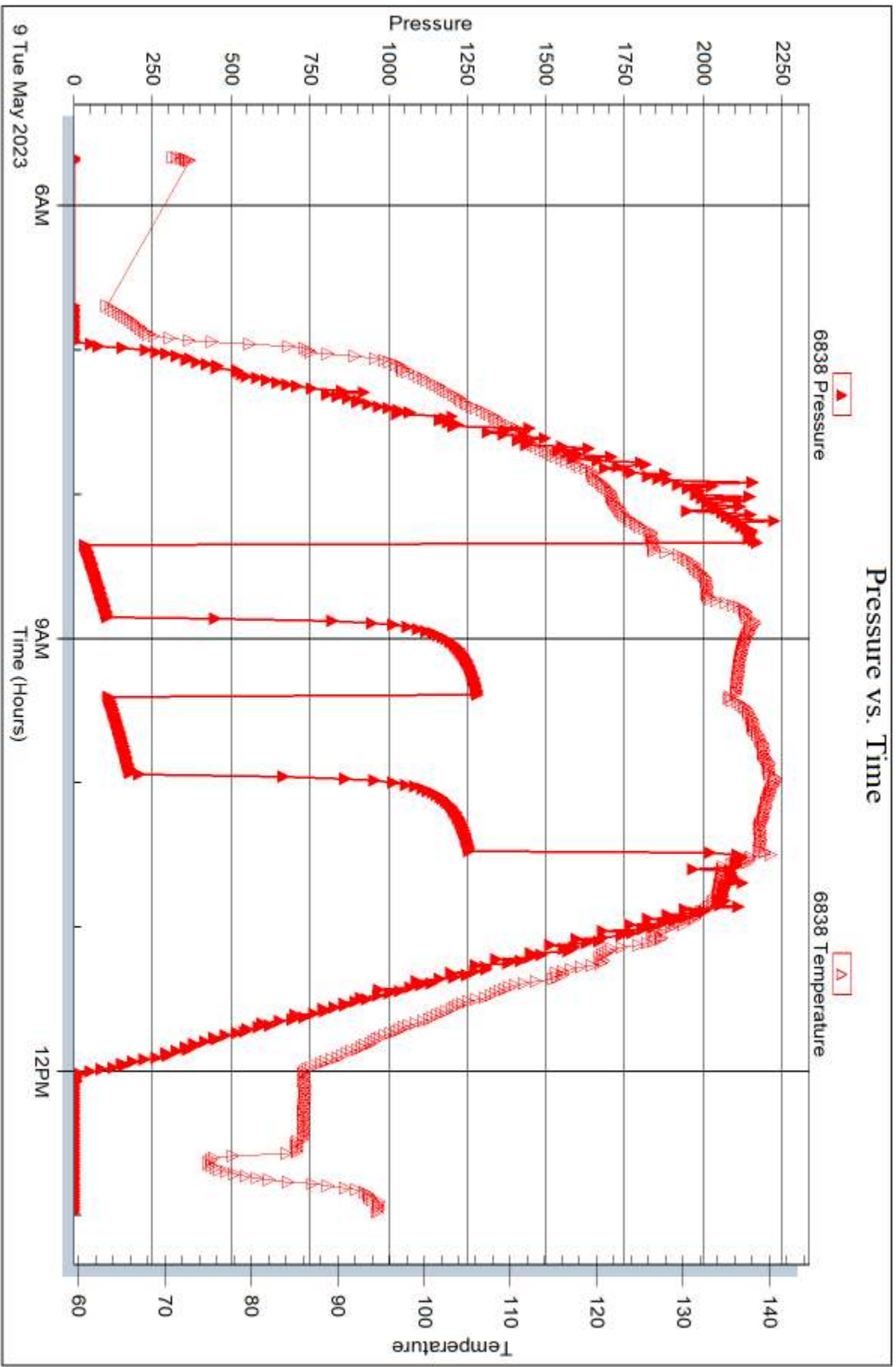
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.076@75F







DRILL STEM TEST REPORT

Prepared For: **Arcadian Resources LLC**

313 E Kansas S
Glen Elder KS 67446+9466

ATTN: Sean Deenihan

Lynn #12-1

12-5s-37w Cheyenne,KS

Start Date: 2023.05.10 @ 06:13:00

End Date: 2023.05.10 @ 13:26:07

Job Ticket #: 71505 DST #: 2

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

Printed: 2023.05.12 @ 11:38:18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Arcadian Resources LLC

12-5s-37w Cheyenne,KS

313 E Kansas S
Glen Elder KS 67446+9466

Lynn #12-1

Job Ticket: 71505

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.05.10 @ 06:13:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:45:12

Time Test Ended: 13:26:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4580.00 ft (KB) To 4640.00 ft (KB) (TVD)

Reference Elevations: 3387.00 ft (KB)

Total Depth: 4640.00 ft (KB) (TVD)

3381.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8875

Inside

Press@RunDepth: 917.10 psig @ 4583.00 ft (KB)

Capacity: psig

Start Date: 2023.05.10

End Date: 2023.05.10

Last Calib.: 2023.05.10

Start Time: 06:13:01

End Time: 13:26:07

Time On Btm: 2023.05.10 @ 08:44:17

Time Off Btm: 2023.05.10 @ 10:07:07

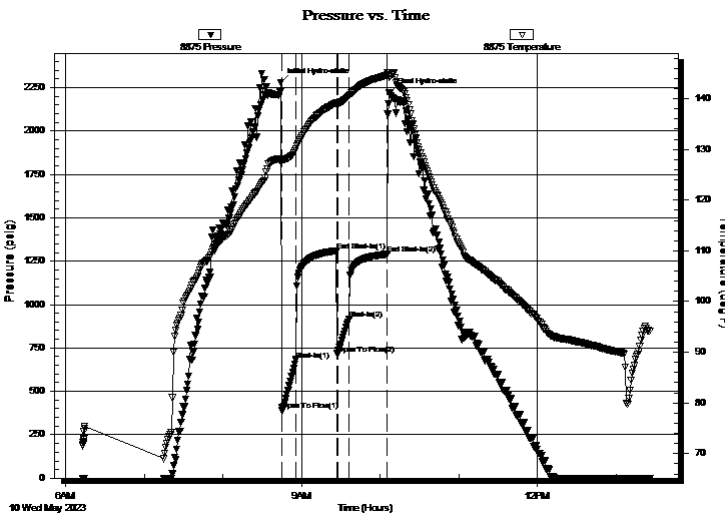
TEST COMMENT: 10-IF-Slid 10' Lost Mud Filled Hole Bled off Blow BOB 20secs Built to 97.5"

30-ISI-Surface to 1.25"

10-FF-BOB 1 min Built to 98"

30-FSI-Surface to 1.25"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2279.38	127.54	Initial Hydro-static
1	390.49	127.85	Open To Flow (1)
12	681.98	130.12	Shut-In(1)
43	1309.04	139.16	End Shut-In(1)
44	714.79	139.10	Open To Flow (2)
53	917.10	140.60	Shut-In(2)
82	1290.80	144.65	End Shut-In(2)
83	2217.89	144.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Water 100%W	4.25
1100.00	GHOCW 10%G 30%O 60%W	15.59
650.00	GSWCOM 10%G 3%W 7%O 80%M	9.21
0.00	400 GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Arcadian Resources LLC

12-5s-37w Cheyenne,KS

313 E Kansas S
Glen Elder KS 67446+9466

Lynn #12-1

Job Ticket: 71505

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.05.10 @ 06:13:00

Tool Information

Drill Pipe:	Length: 4572.00 ft	Diameter: 3.82 inches	Volume: 64.81 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	95000.00 daN
			<u>Total Volume:</u>	Tool Chased	10.00 ft
				String Weight: Initial	82000.00 daN
Drill Pipe Above KB:	24.00 ft			Final	92000.00 daN
Depth to Top Packer:	4580.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	92.00 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			4549.00	
Shut In Tool	5.00			4554.00	
Hydraulic tool	5.00			4559.00	
Jars	5.00			4564.00	
Gap Sub	4.00			4568.00	
Safety Joint	3.00			4571.00	
Packer	5.00			4576.00	32.00 Bottom Of Top Packer
Packer	4.00			4580.00	
Stubb	1.00			4581.00	
Perforations	1.00			4582.00	
Change Over Sub	1.00			4583.00	
Recorder	0.00	6838	Inside	4583.00	
Recorder	0.00	8875	Inside	4583.00	
Drill Pipe	32.00			4615.00	
Change Over Sub	1.00			4616.00	
Perforations	21.00			4637.00	
Bullnose	3.00			4640.00	60.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Arcadian Resources LLC

12-5s-37w Cheyenne,KS

313 E Kansas S
Glen Elder KS 67446+9466

Lynn #12-1

Job Ticket: 71505

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.05.10 @ 06:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Water 100%W	4.253
1100.00	GHOCW 10%G 30%O 60%W	15.593
650.00	GSWCOM 10%G 3%W 7%O 80%M	9.214
0.00	400 GIP 100%G	0.000

Total Length: 2050.00 ft Total Volume: 29.060 bbl

Num Fluid Samples: 0

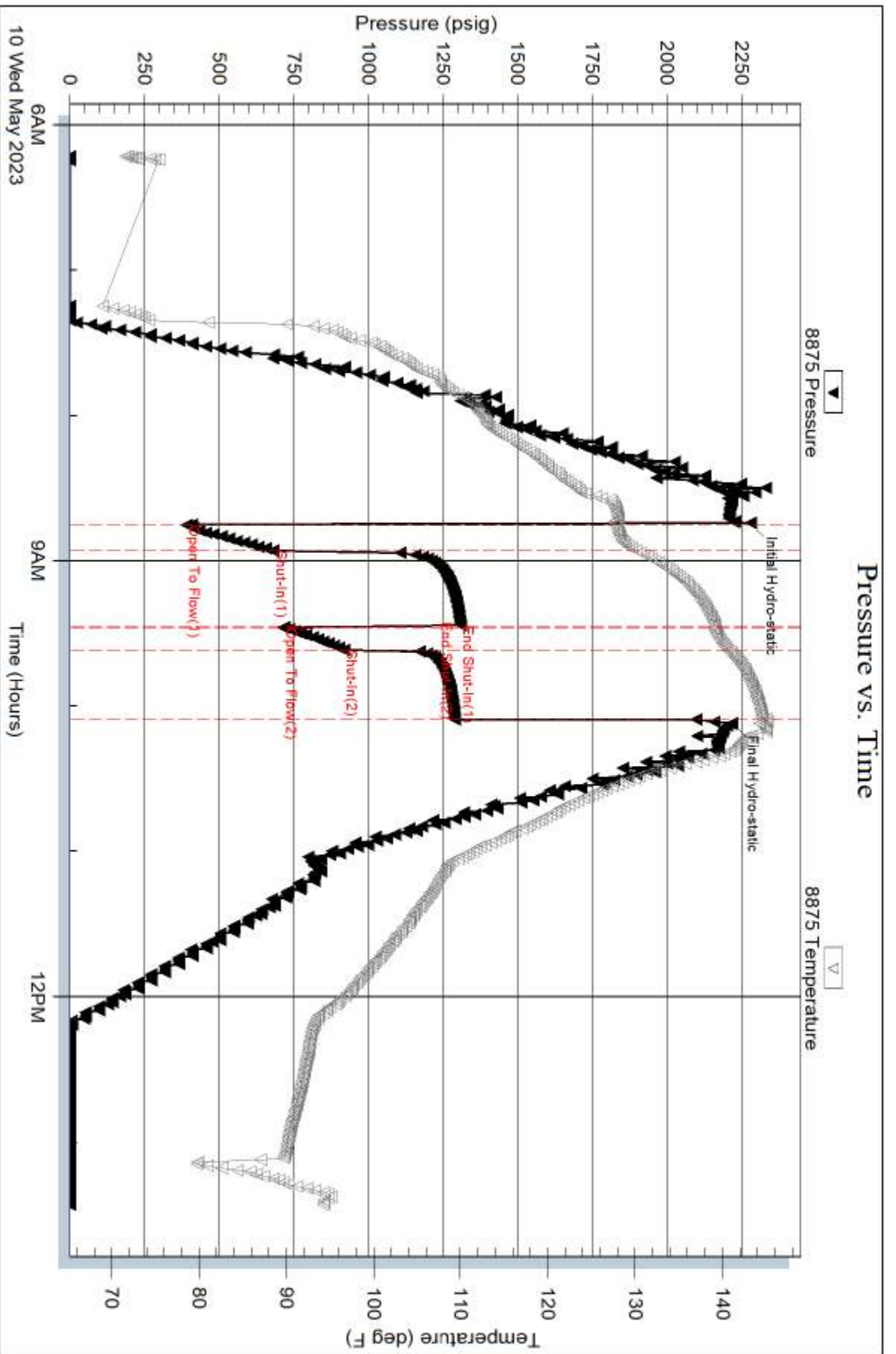
Num Gas Bombs: 0

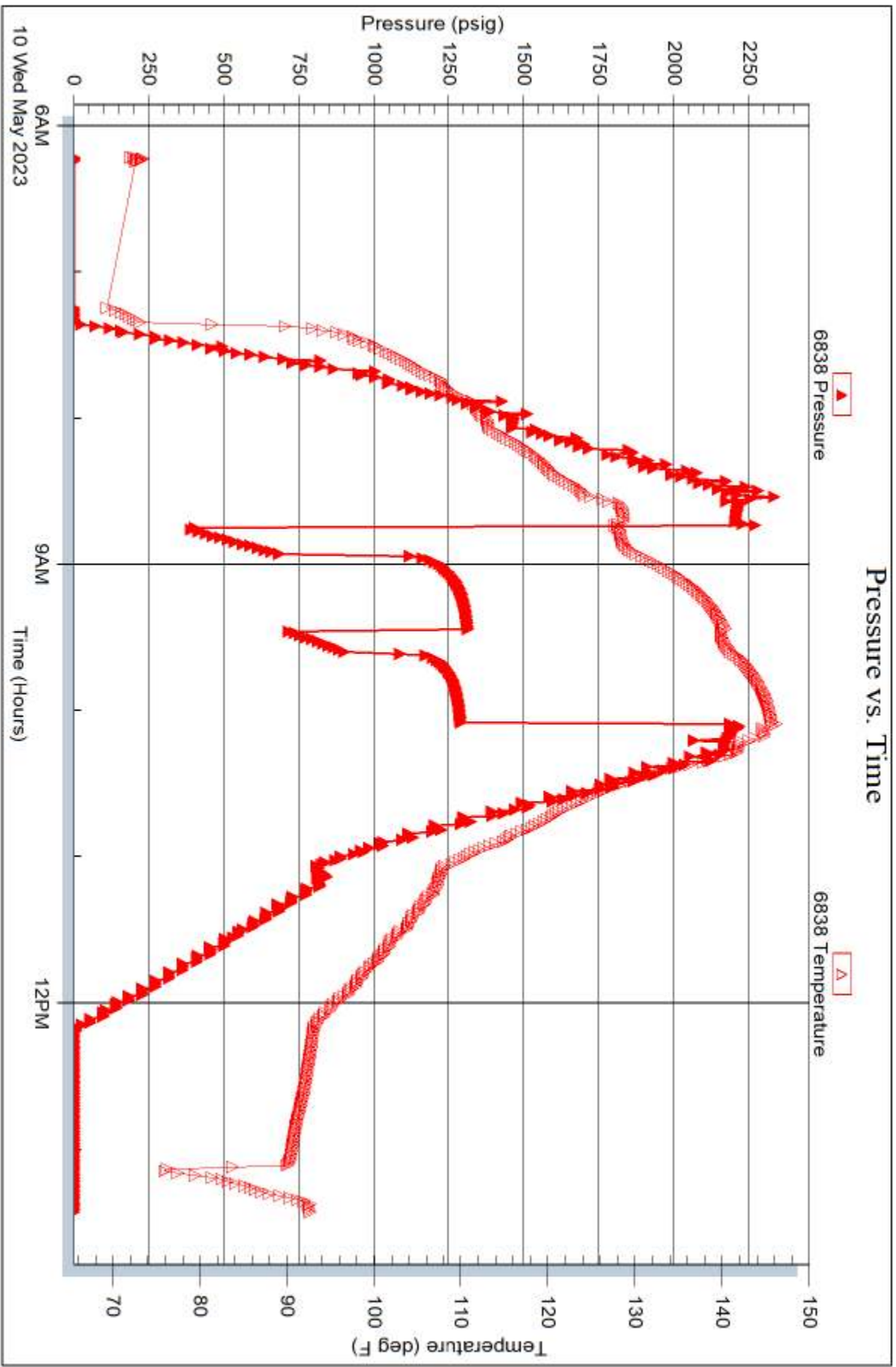
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.168@70F=45,000
1#LCM







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71504

Well Name & No. Lynn #12-1 Test No. 1 Date 05/09/2023
 Company Arcadium Resources LLC Elevation _____ KB _____ GL _____
 Address 313 E Kansas St Ellen Elder Ks 67446 +9466
 Co. Rep / Geo Sean Deenihan Rig Double D's
 Location: Sec. 12 Twp 5A Rge. 37w Co. Cheyenne State Ks

Interval Tested 4375' - 4466' Zone Tested LHC A-J
 Anchor Length 91' Drill Pipe Run 4349' Mud Wt. 9.2
 Top Packer Depth 4370' Drill Collars Run 30' Ø Vis 57
 Bottom Packer Depth 4375' Wt. Pipe Run - WL 8.0
 Total Depth 4466' Chlorides 600 ppm System LCM 2#

Blow Description 97- BOB in 16 min; Built to 22"; Tool slid 2'
75D- Surface to 3/4"
77- BOB in 18 mins; Built to 20"
75A- Surface to 3/4"

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>800'</u>	Feet of <u>WM</u>			<u>40</u>	<u>60</u>
Rec <u>65'</u>	Feet of <u>WCM</u>			<u>20</u>	<u>80</u>
Rec <u>65'</u>	Feet of <u>G VSOC WM</u>	<u>9</u>	<u>1</u>	<u>10</u>	<u>80</u>
Rec <u>65'</u>	Feet of <u>GSWCOM</u>	<u>5</u>	<u>13</u>	<u>2</u>	<u>80</u>
Rec <u>20'</u>	Feet of <u>GIO</u>	<u>10</u>	<u>90</u>		
Rec _____	Feet of <u>250' GTP</u>	<u>100</u>			
Rec _____	Feet of _____				

Rec Total 415' BHT 138° Gravity 42° API RW .076 @ 75 °F Chlorides 97,000 ppm

Initial Hydrostatic 2131 Test 1950 Ruined Shale Packer _____
 Initial Flow 35 to 107 Jars 300 Ruined Packer _____
 Initial Shut-In 1283 Circ Sub _____ Hotel _____
 Final Flow 111 to 180 Hourly Standby _____ EM Tool Successful _____
 Final Shut-In 1258 Mileage 118.27 58mi 101.50 Accessibility _____
 Final Hydrostatic 2131 Sampler _____ 42mi 73.50 Gas Sample _____
 T- On Location 01:35 Straddle _____ Oversized Hole _____
 Initial Flow 30 T-Started 05:40 Shale Packer 250 Sub Total 0
 Initial Shut-In 30 T-Open 08:19 Extra Packer _____ Total 2675
 Final Flow 30 T-Pulled 10:19 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 30 T-Out 12:58 Day Standby _____ MP/DST Disc't _____

Comments _____

Approved By _____ Our Representative Spencer J. Stahl Thanks!

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. 785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71505**

Well Name & No. Lynn #12-1 Test No. 2 Date 05/10/2023
 Company Arcadian Resources LLC Elevation 3387' KB 3381' GL
 Address 313 E Kansas St Glen Elder KS 67446 +9466
 Co. Rep / Geo Sean Deenihan Rig Double D's
 Location: Sec. 12 Twp 5S Rge. 37W Co. Cheyenne State KS

Interval Tested 4580' - 4640' Zone Tested Pawnee
 Anchor Length 60' Drill Pipe Run 4572' Mud Wt. 9.5
 Top Packer Depth 4575' Drill Collars Run 30' Vis 50
 Bottom Packer Depth 4580' Wt. Pipe Run - WL 8.8
 Total Depth 4640' Chlorides 800 ppm System LCM 1H

Blow Description 77- Slid 10'; Lost Mod; Filled Hole; Aired off Blow; BOB 20secs; Built to 97 1/2"
78- Surface to 1 1/4"
79- BOB 1 min; Built to 98"
80- Surface to 1 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>300'</u>	<u>Water</u>		<u>100</u>		
<u>1100'</u>	<u>GHOCW</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>650'</u>	<u>GSWCOM</u>	<u>10</u>	<u>7</u>	<u>3</u>	<u>80</u>
	<u>400 GIP</u>	<u>100</u>			

Rec Total 2050' BHT 144° Gravity 37° API RW 168 @ 70 °F Chlorides 45,000 ppm
 Initial Hydrostatic 2279 Test 1950 Ruined Shale Packer
 Initial Flow 390 to 681 Jars 300 Ruined Packer
 Initial Shut-In 1309 Circ Sub Hotel
 Final Flow 714 to 917 Hourly Standby EM Tool Successful -350 didn't run
 Final Shut-In 1290 Mileage 100/17.2 Accessibility
 Final Hydrostatic 2217 Sampler 147 + 73.50 + 101.50 Gas Sample
 T- On Location 03:35 Straddle Oversized Hole
 Initial Flow 10 T-Started 06:13 Shale Packer 1 250 Sub Total -350
 Initial Shut-In 30 T-Open 08:43 Extra Packer Total 2472
 Final Flow 10 T-Pulled 10:03 Extra Recorder Tool Loaded 05/11 @ 15:00
 Final Shut-In 30 T-Out 13:26 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative Spencer J. Steub Thanks

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.

785-259-0056

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Arcadian Resources, LLC
LEASE Lynn #12-1
FIELD Wet Beaver

ELEVATIONS
KB 3387'
DF _____
GL 3381'

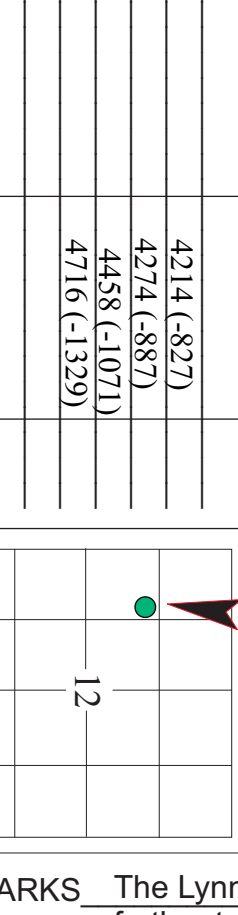
LOCATION 1550' FNL & 1090' FWL
SEC 12 TWP 5S SS RGE 37W
COUNTY Treco STATE Kansas
CONTRACTOR Double D Drilling Rig #3
SPUD 5/4/23 COMP 5/14/23
RTD 4980' LTD 4980'

CASING
CONDUCTOR _____
SURFACE 8'-5/8" at 355'
PRODUCTION 5.37" at 4980'

MUD UP 3300' TYPE MUD Chemical
SAMPLES SAVED FROM 3600' TO RTD
DRILLING TIME KEPT FROM 3600' TO RTD
SAMPLES EXAMINED FROM 3400' TO RTD
GEOLOGICAL SUPERVISION FROM 3400'
REFERENCE WELL _____

ELECTRICAL SURVEYS
E.L.I
CND/DIL
MIC/

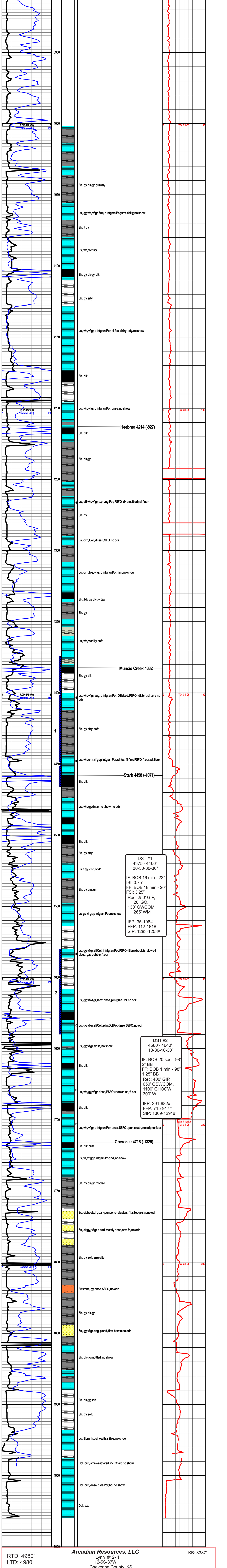
Formation	Sample Tops	E-log Tops	Struct Foss.
Hebner Sh		4214 (-827)	
Lanshire		4274 (-887)	
Stark Shale		4458 (-1071)	
Cherokee		4716 (-1329)	



REMARKS The Lynn #12-1 had good results on DSTs #1 & 2. Production casing was run to further test this well.

Respectfully Submitted,

Sean P. Deenihan





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 67446-9416

Invoice Date: 5/15/2023
Invoice #: 0368514
Lease Name: Lynn
Well #: 12-1 (New)
County: Cheyenne, Ks
Job Number: WP4287
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-CON	525.000	23.750	12,468.75
H-H Long	255.000	42.750	10,901.25
Cement Friction Reducer	120.000	7.600	912.00
Cement baskets 5 1/2"	5.000	285.000	1,425.00
5 1/2" Stop Ring	5.000	28.500	142.50
5 1/2" Turbolizers	13.000	118.750	1,543.75
5 1/2" Floatshoe-Flapper AFU	1.000	356.250	356.25
5 1/2" LD Plug & Baffle	1.000	332.500	332.50
Mud flush	500.000	0.950	475.00
KCL-CS701	5.000	28.500	142.50
Light Eq Mileage	65.000	1.900	123.50
Heavy Eq Mileage	195.000	3.800	741.00
Ton Mileage	2,386.000	1.425	3,400.05
Depth Charge 4001'-5000'	1.000	2,375.000	2,375.00
Cement plug container	1.000	237.500	237.50
Cement Blending & Mixing	780.000	1.330	1,037.40
Service Supervisor	1.000	261.250	261.25
High Overhead Connection Chg	1.000	285.000	285.00
Cement Service-Standby	3.000	332.500	997.50

Total 38,157.70

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!

