

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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DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

P.O. Box 783188
Wichita, KS 67278

ATTN: Max Lovely

Molitor #23AD

23-29s-9w Kingman,KS

Start Date: 2024.05.28 @ 22:28:00

End Date: 2024.05.29 @ 04:46:02

Job Ticket #: 70739 DST #: 1

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

Printed: 2024.06.05 @ 09:55:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70739

DST#: 1

ATTN: Max Lovely

Test Start: 2024.05.28 @ 22:28:00

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:10:02

Time Test Ended: 04:46:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3946.00 ft (KB) To 3960.00 ft (KB) (TVD)

Reference Elevations: 1688.00 ft (KB)

Total Depth: 3960.00 ft (KB) (TVD)

1676.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 56.54 psig @ 3947.00 ft (KB)

Capacity: psig

Start Date: 2024.05.28

End Date:

2024.05.29

Last Calib.:

1899.12.30

Start Time: 22:28:01

End Time:

04:46:02

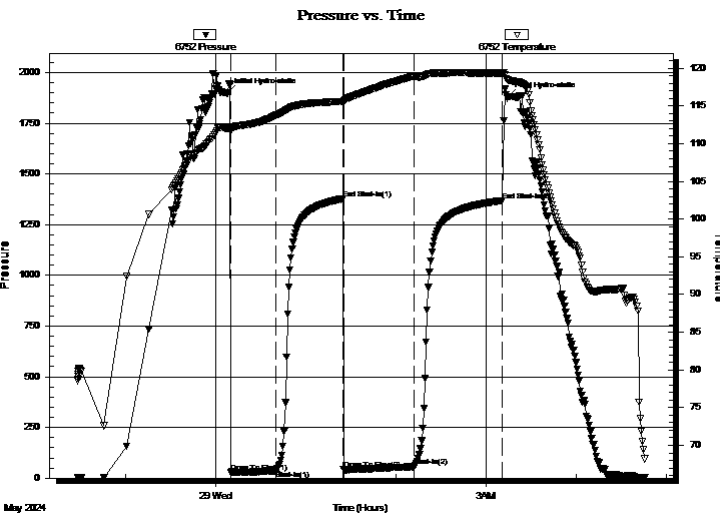
Time On Btm:

2024.05.29 @ 00:07:47

Time Off Btm:

2024.05.29 @ 03:14:47

TEST COMMENT: IF: 30 min., fair building blow , 6 inches
IS: 45 min., no blow back
FF: 45 min., fair building blow , 5.25 inches
FS: 60 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.74	112.06	Initial Hydro-static
3	27.07	111.69	Open To Flow (1)
32	36.94	113.75	Shut-In(1)
77	1377.23	115.59	End Shut-In(1)
78	42.62	115.51	Open To Flow (2)
124	56.54	118.92	Shut-In(2)
183	1368.55	119.35	End Shut-In(2)
187	1881.67	118.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	oil spotted WM 40%W,60%M	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70739

DST#: 1

ATTN: Max Lovely

Test Start: 2024.05.28 @ 22:28:00

Tool Information

Drill Pipe:	Length: 3947.00 ft	Diameter: 3.80 inches	Volume: 55.37 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 55.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3946.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3921.00	
Hydraulic tool	5.00			3926.00	
Isolator Sub	3.00			3929.00	
Jars	5.00			3934.00	
Safety Joint	3.00			3937.00	
Packer	5.00			3942.00	30.00 Bottom Of Top Packer
Packer	4.00			3946.00	
Stubb	1.00			3947.00	
Recorder	0.00	6752	Inside	3947.00	
Recorder	0.00	6751	Outside	3947.00	
Pickup sub perf	5.00			3952.00	
Perforations	5.00			3957.00	
Bullnose	3.00			3960.00	14.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70739

DST#: 1

ATTN: Max Lovely

Test Start: 2024.05.28 @ 22:28:00

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:

140000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
65.00	oil spotted WM 40%W,60%M	0.912

Total Length: 65.00 ft Total Volume: 0.912 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

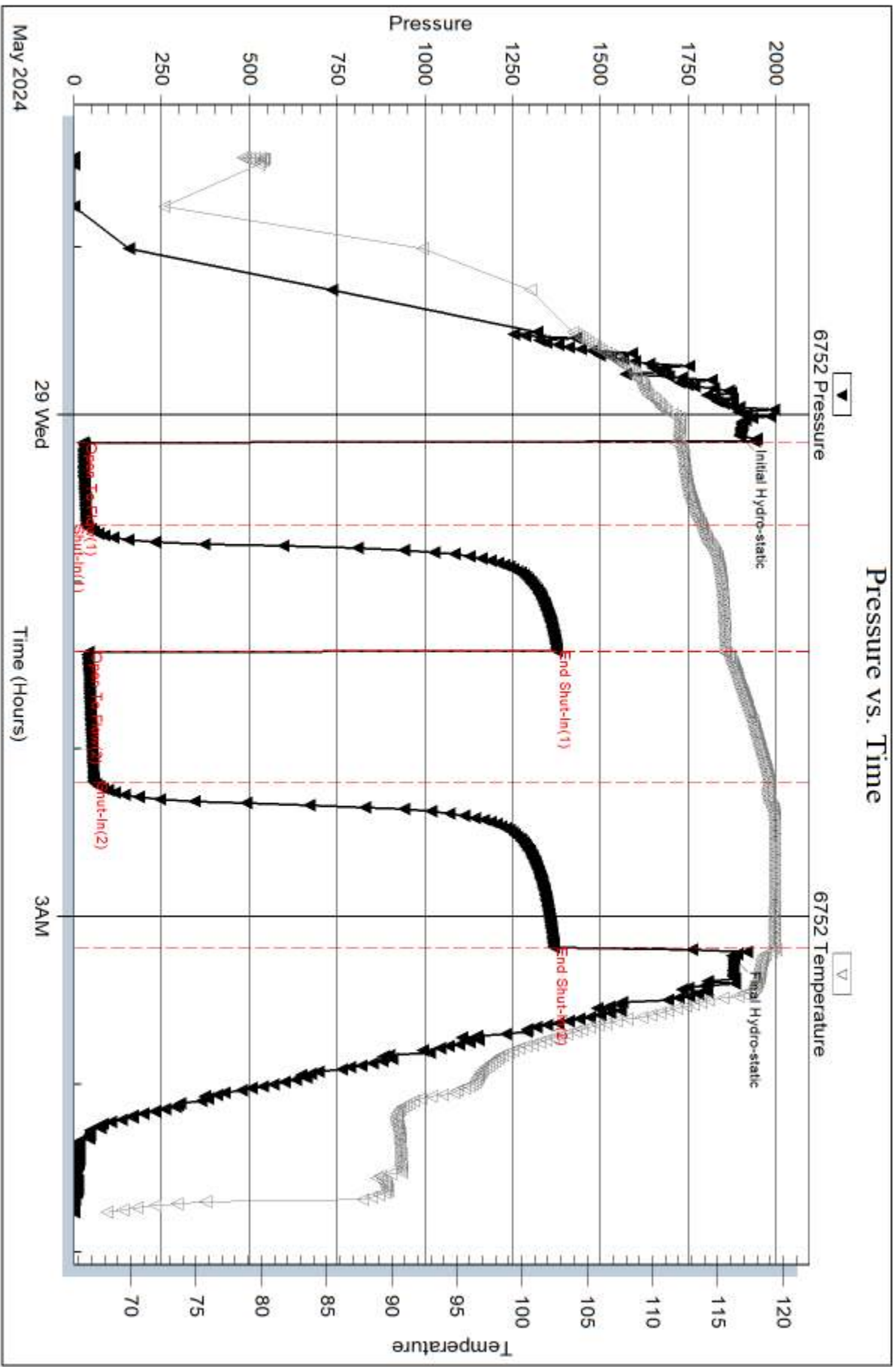
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: tool sample = 100%W

RW=.058@74F=140,000ppm

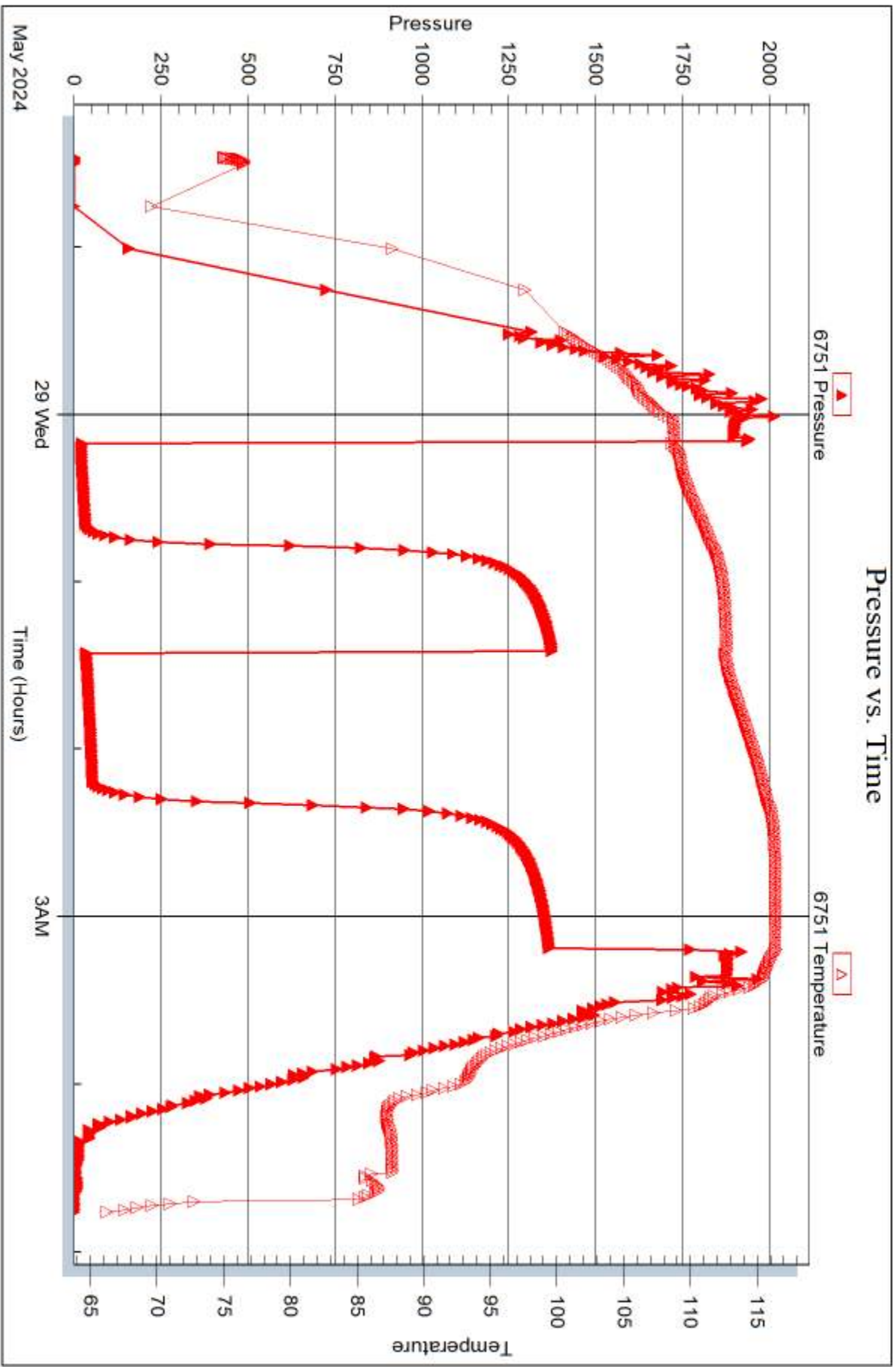


Serial #: 6751

Outside Ritchie Exploration, Inc.

Molitor #23AD

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70739

Printed: 2024.06.05 @ 09:55:00



DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

P.O. Box 783188
Wichita, KS 67278

ATTN: Max Lovely

Molitor #23AD

23-29s-9w Kingman,KS

Start Date: 2024.05.30 @ 13:52:00

End Date: 2024.05.30 @ 19:58:02

Job Ticket #: 70740 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.05 @ 09:51:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70740

DST#: 2

ATTN: Max Lovely

Test Start: 2024.05.30 @ 13:52:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:18:17

Time Test Ended: 19:58:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4207.00 ft (KB) To 4288.00 ft (KB) (TVD)

Reference Elevations: 1688.00 ft (KB)

Total Depth: 4288.00 ft (KB) (TVD)

1676.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 34.24 psig @ 4210.00 ft (KB)

Capacity: psig

Start Date: 2024.05.30

End Date:

2024.05.30

Last Calib.:

1899.12.30

Start Time: 13:52:01

End Time:

19:58:02

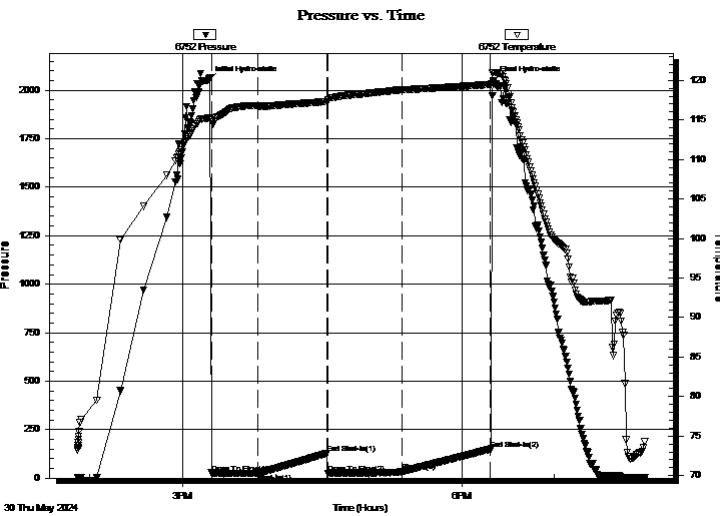
Time On Btm:

2024.05.30 @ 15:16:17

Time Off Btm:

2024.05.30 @ 18:20:32

TEST COMMENT: IF: 30 min., fair building blow , 3 inches
IS: 45 min., no blow back
FF: 45 min., fair building blow , 5 inches
FS: 60 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2047.70	115.22	Initial Hydro-static
2	27.02	114.76	Open To Flow (1)
32	24.77	116.75	Shut-In(1)
77	128.82	117.33	End Shut-In(1)
78	25.04	117.53	Open To Flow (2)
126	34.24	118.79	Shut-In(2)
183	150.26	119.49	End Shut-In(2)
185	2046.99	121.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70740

DST#: 2

ATTN: Max Lovely

Test Start: 2024.05.30 @ 13:52:00

Tool Information

Drill Pipe:	Length: 4197.00 ft	Diameter: 3.80 inches	Volume: 58.87 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 58.87 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4207.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	81.00 ft				
Tool Length:	111.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4182.00	
Hydraulic tool	5.00			4187.00	
Isolator Sub	3.00			4190.00	
Jars	5.00			4195.00	
Safety Joint	3.00			4198.00	
Packer	5.00			4203.00	30.00 Bottom Of Top Packer
Packer	4.00			4207.00	
Stubb	1.00			4208.00	
Perforations	2.00			4210.00	
Recorder	0.00	6752	Inside	4210.00	
Recorder	0.00	6751	Outside	4210.00	
Pickup sub perf	5.00			4215.00	
Perforations	5.00			4220.00	
Change Over Sub	1.00			4221.00	
Drill Pipe	63.00			4284.00	
Change Over Sub	1.00			4285.00	
Bullnose	3.00			4288.00	81.00 Bottom Packers & Anchor
Total Tool Length:	111.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70740

DST#: 2

ATTN: Max Lovely

Test Start: 2024.05.30 @ 13:52:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

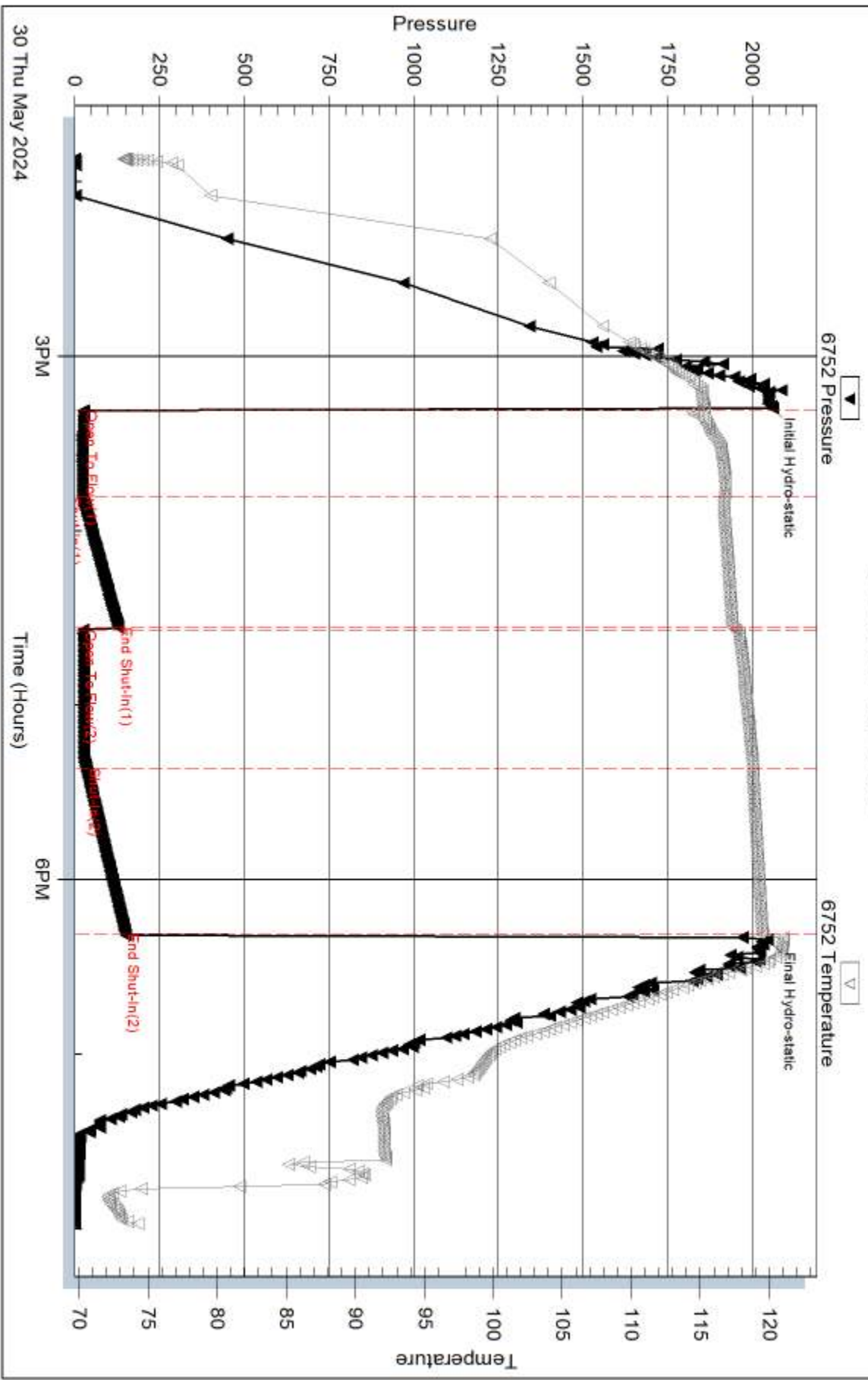
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

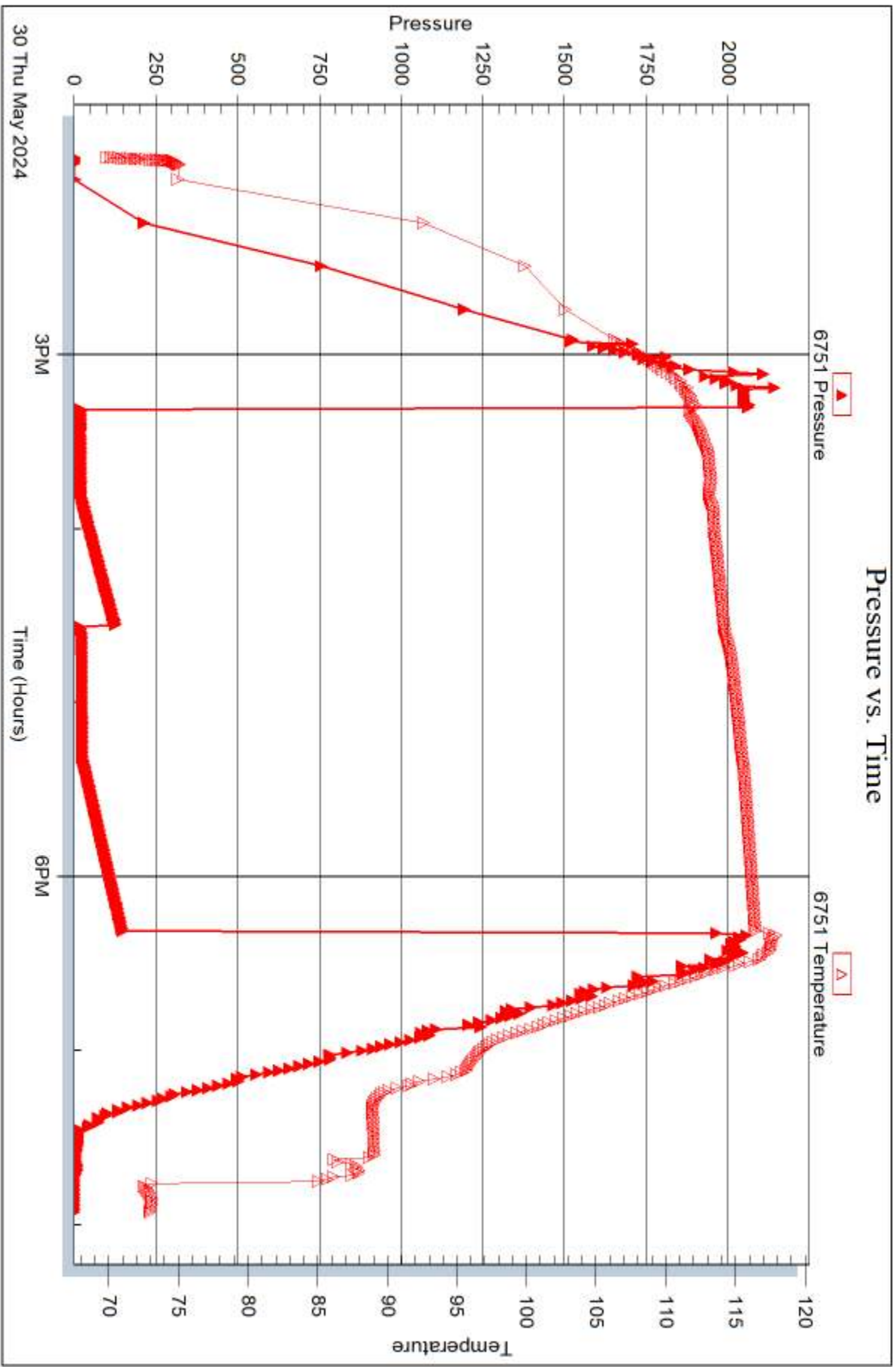


Serial #: 6751

Outside Ritchie Exploration, Inc.

Molitor #23AD

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 70740

Printed: 2024.06.05 @ 09:51:32



DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

P.O. Box 783188
Wichita, KS 67278

ATTN: Max Lovely

Molitor #23AD

23-29s-9w Kingman,KS

Start Date: 2024.05.31 @ 02:22:00

End Date: 2024.05.31 @ 08:46:02

Job Ticket #: 70741 DST #: 3

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

Printed: 2024.06.05 @ 09:51:01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70741

DST#: 3

ATTN: Max Lovely

Test Start: 2024.05.31 @ 02:22:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:03:32

Time Test Ended: 08:46:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4286.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 1688.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

1676.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 65.35 psig @ 4288.00 ft (KB)

Capacity: psig

Start Date: 2024.05.31

End Date: 2024.05.31

Last Calib.: 1899.12.30

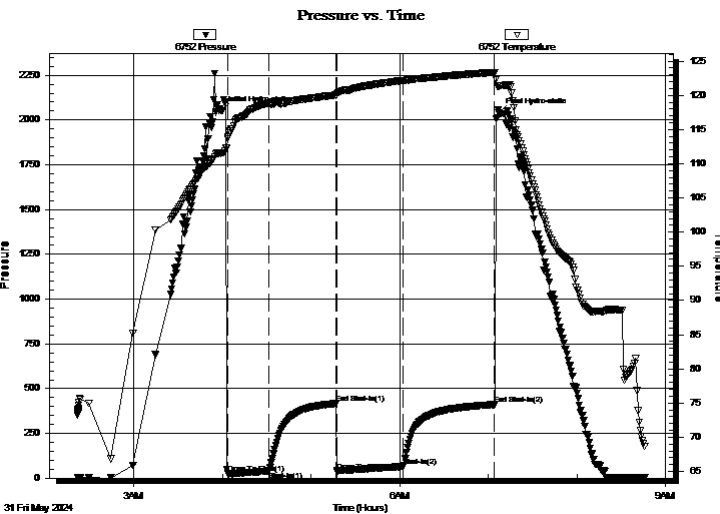
Start Time: 02:22:01

End Time: 08:46:02

Time On Btm: 2024.05.31 @ 03:59:32

Time Off Btm: 2024.05.31 @ 07:07:02

TEST COMMENT: IF: 30 min., BOB 4 min., strong building blow , 60 inches
IS: 45 min., no blow back
FF: 45 min., BOB ASAO, strong building blow , 158 inches
FS: 60 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.82	111.57	Initial Hydro-static
4	24.76	113.62	Open To Flow (1)
32	39.67	118.88	Shut-In(1)
77	416.53	120.04	End Shut-In(1)
78	37.40	120.30	Open To Flow (2)
123	65.35	122.17	Shut-In(2)
185	410.73	123.35	End Shut-In(2)
188	2041.98	121.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	MW 15%M,85%W	1.33
0.01	3355' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70741

DST#: 3

ATTN: Max Lovely

Test Start: 2024.05.31 @ 02:22:00

Tool Information

Drill Pipe:	Length: 4266.00 ft	Diameter: 3.80 inches	Volume: 59.84 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4286.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4261.00	
Hydraulic tool	5.00			4266.00	
Isolator Sub	3.00			4269.00	
Jars	5.00			4274.00	
Safety Joint	3.00			4277.00	
Packer	5.00			4282.00	30.00 Bottom Of Top Packer
Packer	4.00			4286.00	
Stubb	1.00			4287.00	
Perforations	1.00			4288.00	
Recorder	0.00	6752	Inside	4288.00	
Recorder	0.00	6751	Outside	4288.00	
Pickup sub perf	5.00			4293.00	
Perforations	14.00			4307.00	
Bullnose	3.00			4310.00	24.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70741

DST#: 3

ATTN: Max Lovely

Test Start: 2024.05.31 @ 02:22:00

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:

78000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	MW 15%M,85%W	1.333
0.01	3355' GIP	0.000

Total Length: 95.01 ft Total Volume: 1.333 bbl

Num Fluid Samples: 0

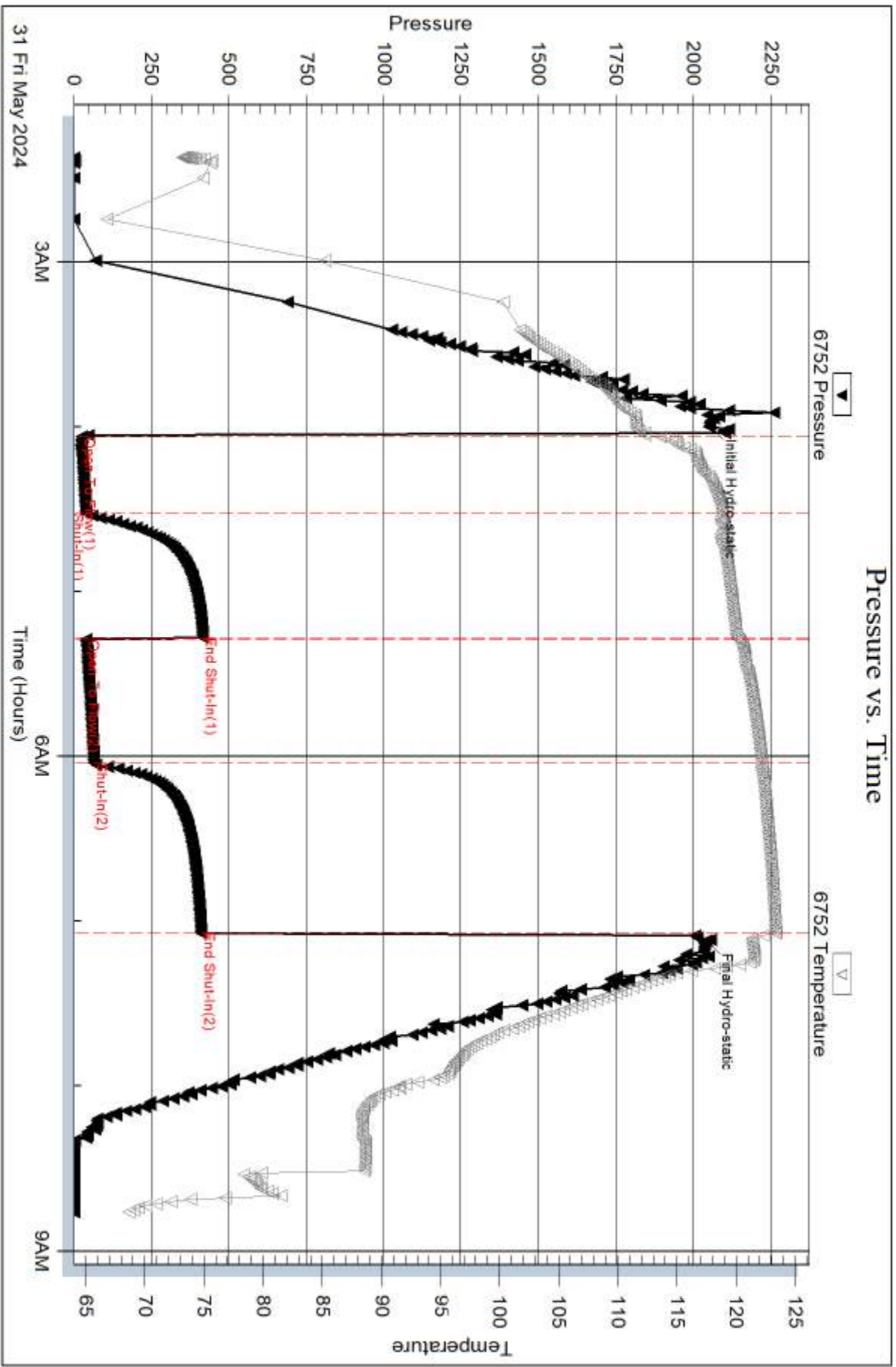
Num Gas Bombs: 0

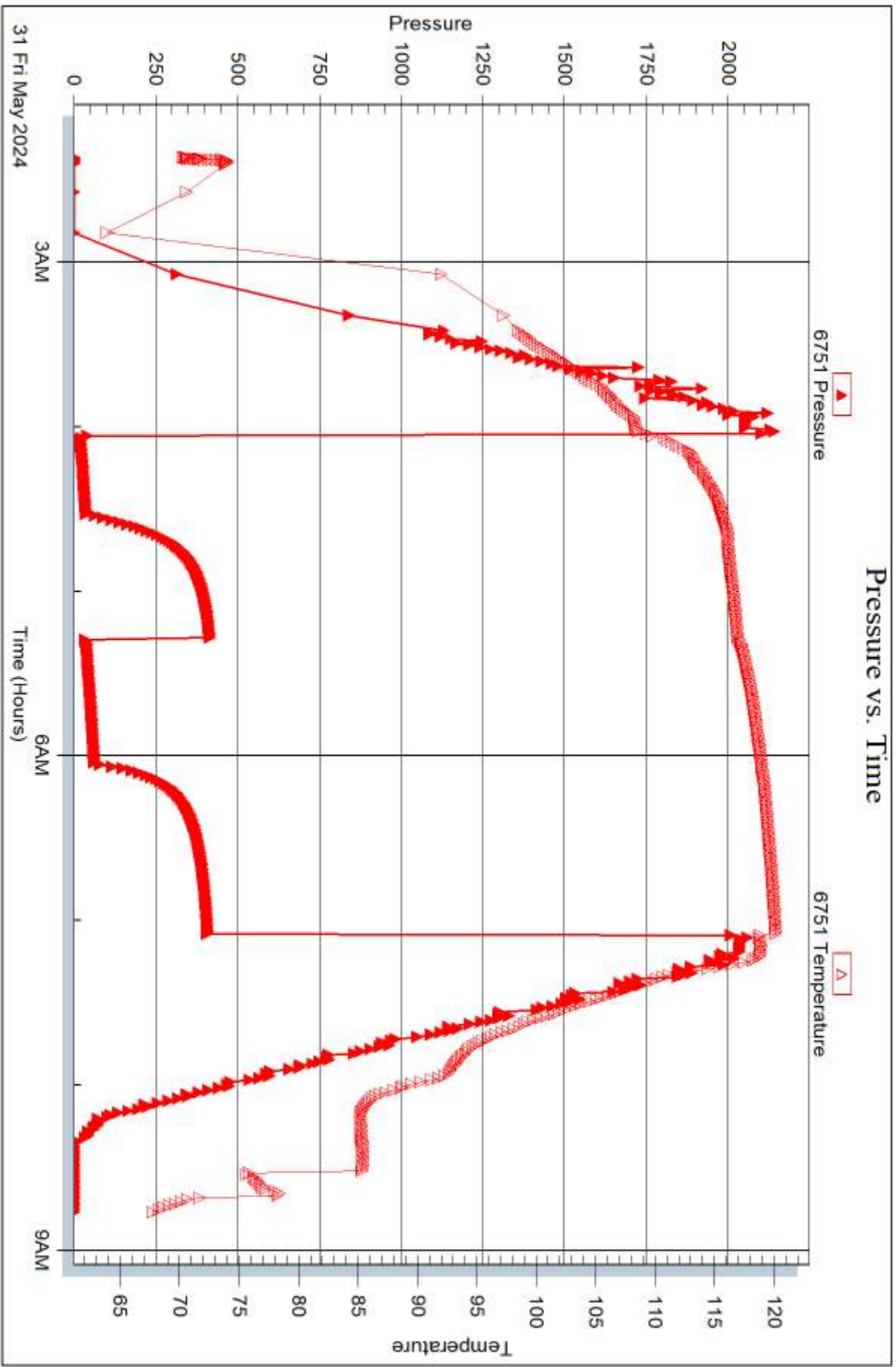
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.094@74F=78,000ppm







DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

P.O. Box 783188
Wichita, KS 67278

ATTN: Max Lovely

Molitor #23AD

23-29s-9w Kingman,KS

Start Date: 2024.06.01 @ 09:22:00

End Date: 2024.06.01 @ 16:26:02

Job Ticket #: 70742 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.05 @ 09:48:43



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70742

DST#: 4

ATTN: Max Lovely

Test Start: 2024.06.01 @ 09:22:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:10:17

Time Test Ended: 16:26:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4565.00 ft (KB) To 4572.00 ft (KB) (TVD)

Reference Elevations: 1688.00 ft (KB)

Total Depth: 4572.00 ft (KB) (TVD)

1676.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6751 Outside

Press@RunDepth: 944.23 psig @ 4569.00 ft (KB)

Capacity: psig

Start Date: 2024.06.01 End Date: 2024.06.01

Last Calib.: 1899.12.30

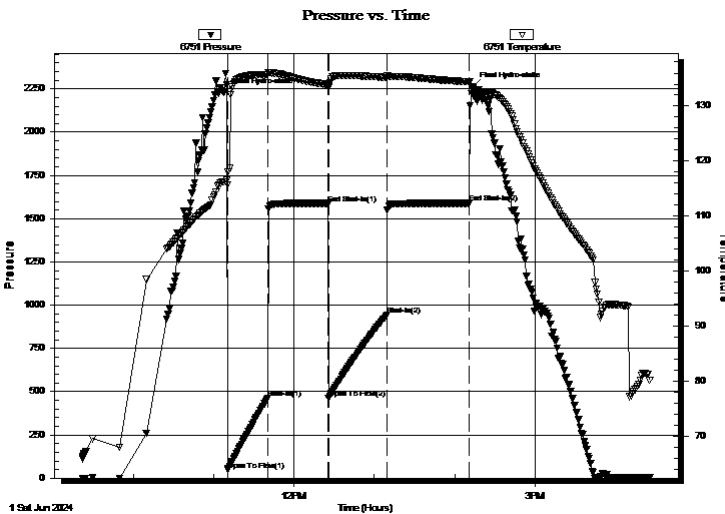
Start Time: 09:22:01 End Time: 16:26:02

Time On Btm: 2024.06.01 @ 11:08:02

Time Off Btm: 2024.06.01 @ 14:13:32

TEST COMMENT: IF: 30 min., BOB 3 min., strong building blow , 113 inches
IS: 45 min., blow back 30 sec., 10 inches
FF: 45 min., BOB ASAO, strong building blow , 175 inches
FSI: 60 min., blow back 30 sec., 6.7 inches

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.62	116.22	Initial Hydro-static
3	47.64	115.66	Open To Flow (1)
33	461.58	135.77	Shut-In(1)
78	1588.32	133.87	End Shut-In(1)
78	464.14	133.47	Open To Flow (2)
122	944.23	135.23	Shut-In(2)
183	1589.46	134.39	End Shut-In(2)
186	2260.95	133.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2050.00	W 100%	28.76
0.00	400' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70742

DST#: 4

ATTN: Max Lovely

Test Start: 2024.06.01 @ 09:22:00

Tool Information

Drill Pipe:	Length: 4547.00 ft	Diameter: 3.80 inches	Volume: 63.78 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 63.78 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4565.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4540.00	
Hydraulic tool	5.00			4545.00	
Isolator Sub	3.00			4548.00	
Jars	5.00			4553.00	
Safety Joint	3.00			4556.00	
Packer	5.00			4561.00	30.00 Bottom Of Top Packer
Packer	4.00			4565.00	
Stubb	1.00			4566.00	
Perforations	3.00			4569.00	
Recorder	0.00	6752	Inside	4569.00	
Recorder	0.00	6751	Outside	4569.00	
Bullnose	3.00			4572.00	7.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70742

DST#: 4

ATTN: Max Lovely

Test Start: 2024.06.01 @ 09:22:00

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:

80000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2050.00	W 100%	28.756
0.00	400' GIP	0.000

Total Length: 2050.00 ft Total Volume: 28.756 bbl

Num Fluid Samples: 0

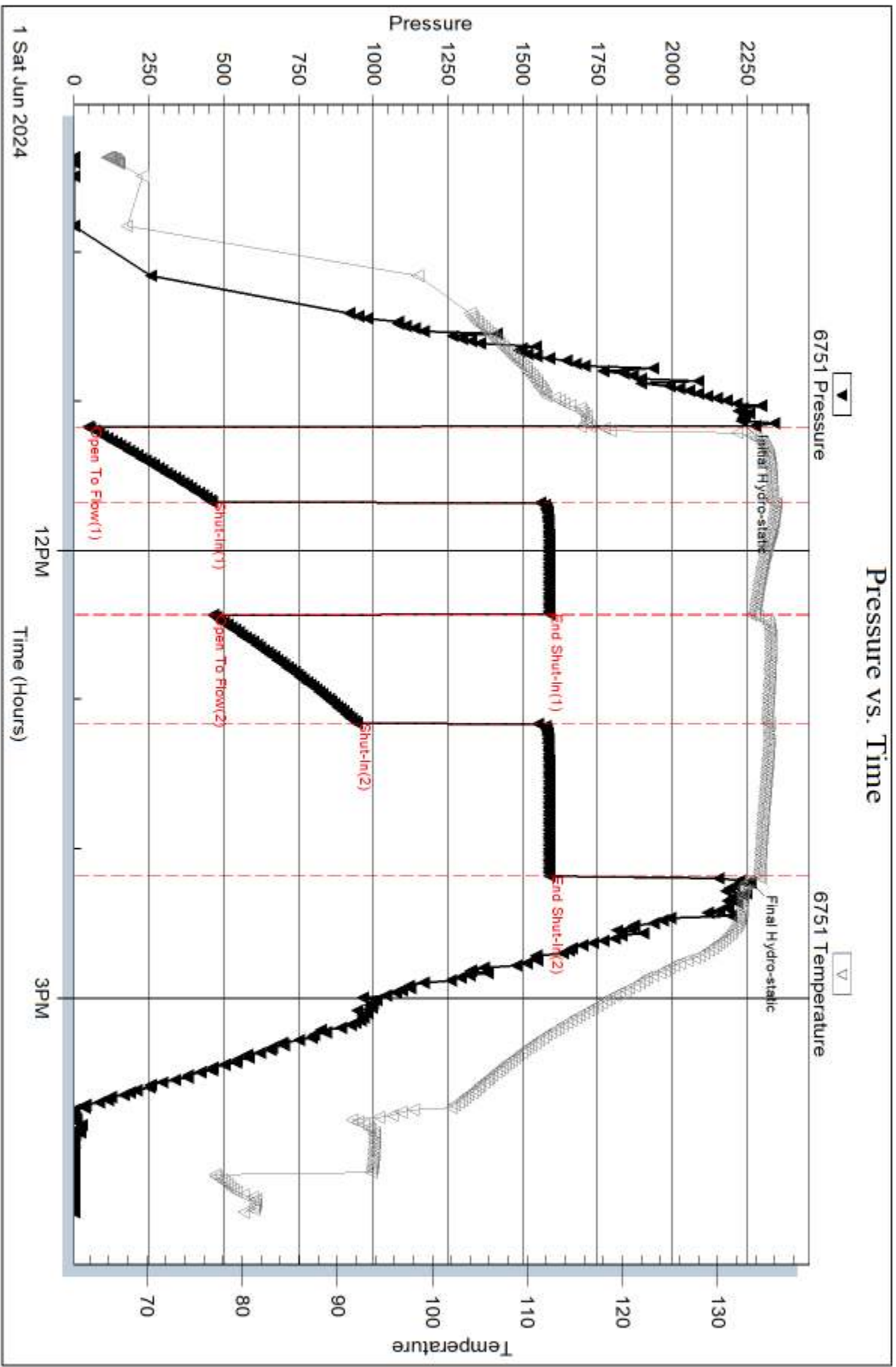
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.084@80F=80000ppm



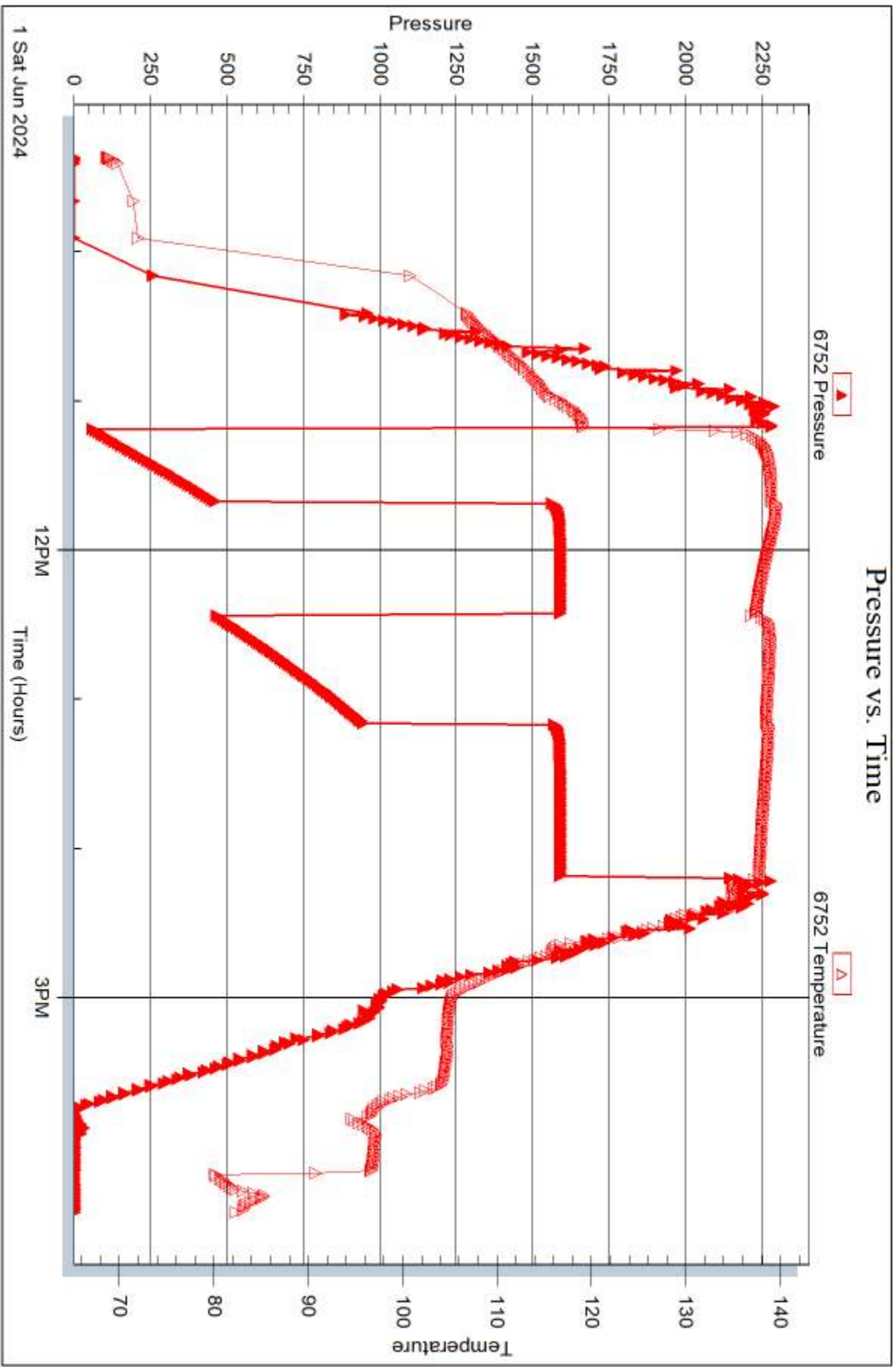
Serial #: 6752

Inside

Richie Exploration, Inc.

Molitor #23AD

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 70742

Printed: 2024.06.05 @ 09:48:43



DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

P.O. Box 783188
Wichita, KS 67278

ATTN: Max Lovely

Molitor #23AD

23-29s-9w Kingman,KS

Start Date: 2024.06.02 @ 02:17:00

End Date: 2024.06.02 @ 09:17:02

Job Ticket #: 70743 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.05 @ 09:40:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70743

DST#: 5

ATTN: Max Lovely

Test Start: 2024.06.02 @ 02:17:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:28:32

Time Test Ended: 09:17:02

Test Type: Inflate Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4614.00 ft (KB) To 4621.00 ft (KB) (TVD)

Reference Elevations: 1688.00 ft (KB)

Total Depth: 4621.00 ft (KB) (TVD)

1676.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 62.87 psig @ 4618.00 ft (KB)

Capacity: psig

Start Date: 2024.06.02

End Date:

2024.06.02

Last Calib.:

1899.12.30

Start Time: 02:17:01

End Time:

09:17:02

Time On Btm:

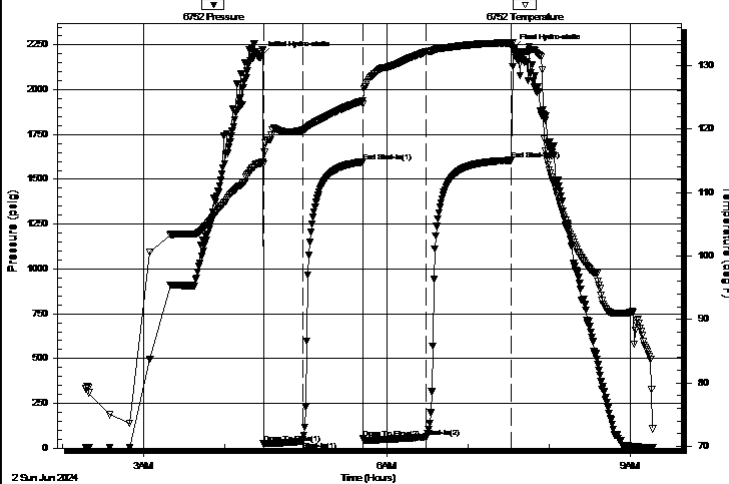
2024.06.02 @ 04:27:02

Time Off Btm:

2024.06.02 @ 07:33:32

TEST COMMENT: IF: 30 min., fair building blow , 4 inches
IS: 45 min., no blow back
FF: 45 min., fair building blow , 3.75 inches
FS: 60 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.34	114.67	Initial Hydro-static
2	25.08	114.54	Open To Flow (1)
31	40.38	119.84	Shut-In(1)
75	1597.43	124.52	End Shut-In(1)
76	51.97	123.93	Open To Flow (2)
122	62.87	132.18	Shut-In(2)
185	1606.60	133.57	End Shut-In(2)
187	2229.54	132.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	100%W	1.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70743

DST#: 5

ATTN: Max Lovely

Test Start: 2024.06.02 @ 02:17:00

Tool Information

Drill Pipe:	Length: 4614.00 ft	Diameter: 3.80 inches	Volume: 64.72 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 64.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4614.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4589.00	
Hydraulic tool	5.00			4594.00	
Isolator Sub	3.00			4597.00	
Jars	5.00			4602.00	
Safety Joint	3.00			4605.00	
Packer	5.00			4610.00	30.00 Bottom Of Top Packer
Packer	4.00			4614.00	
Stubb	1.00			4615.00	
Perforations	3.00			4618.00	
Recorder	0.00	6752	Inside	4618.00	
Recorder	0.00	6751	Outside	4618.00	
Bullnose	3.00			4621.00	7.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

23-29s-9w Kingman,KS

P.O. Box 783188
Wichita, KS 67278

Molitor #23AD

Job Ticket: 70743

DST#: 5

ATTN: Max Lovely

Test Start: 2024.06.02 @ 02:17:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	100%W	1.052

Total Length: 75.00 ft Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.128@73F=60,000ppm

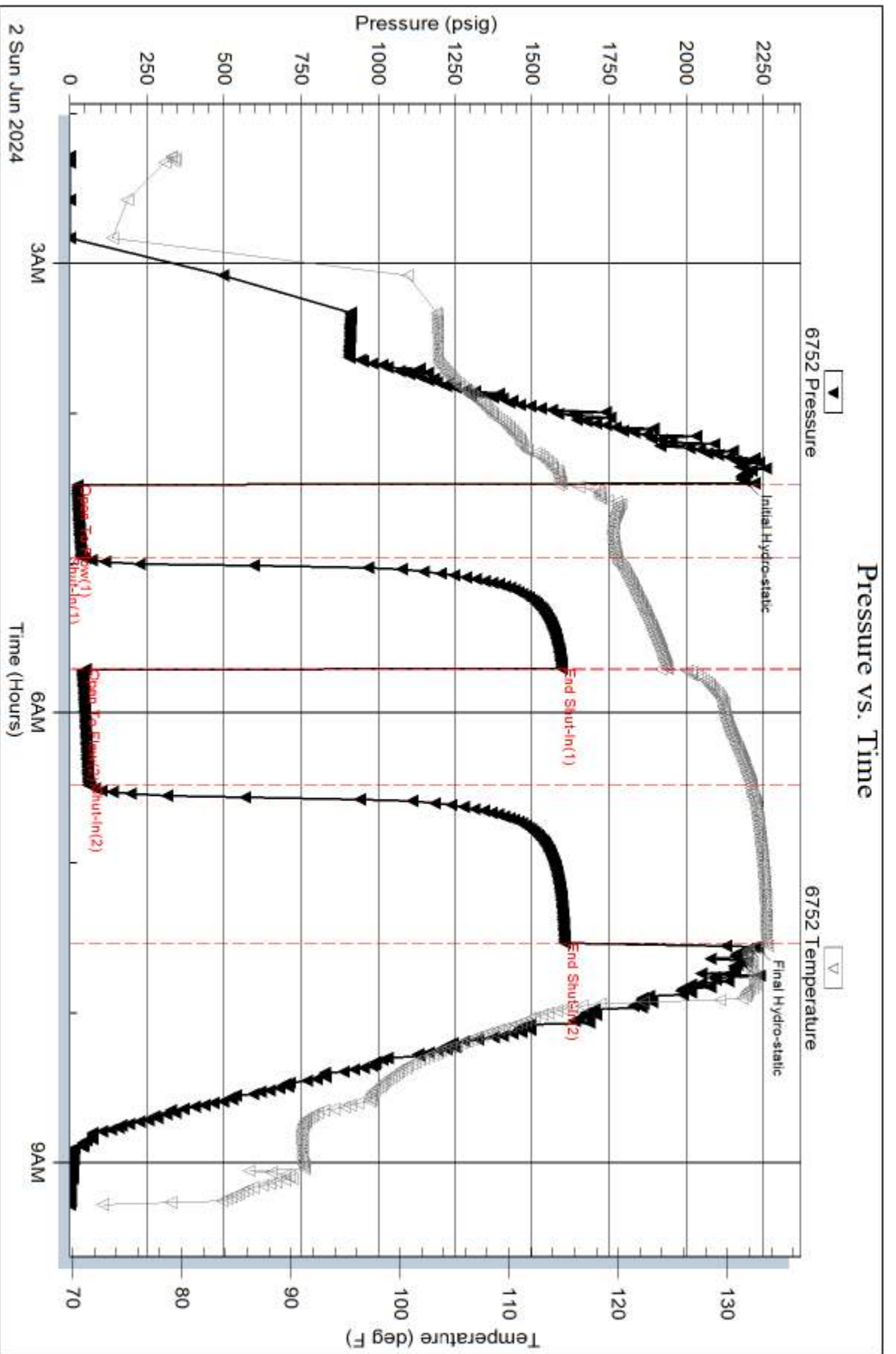
Serial #: 6752

Inside

Richie Exploration, Inc.

Molitor #23AD

DST Test Number: 5

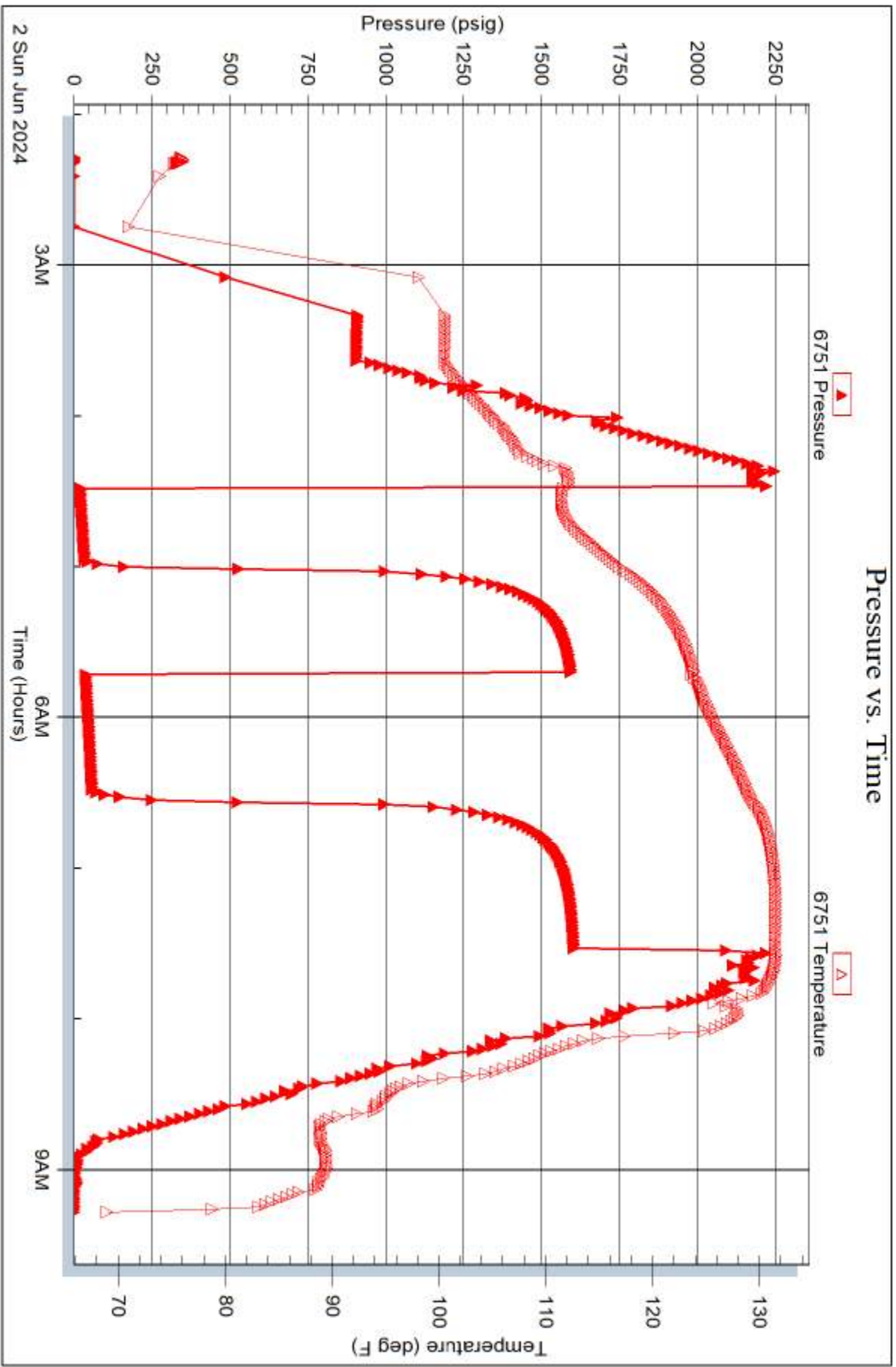


Serial #: 6751

Outside Ritchie Exploration, Inc.

Molitor #23AD

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70739

1358

Well Name & No. Malitor 23 AD Test No. 1 Date 8-5-28-24
 Company Ritchie Exploration, Inc. Elevation 1688 KB 1676 GL
 Address P.O. Box 783188 Wichita, KS 67278
 Co. Rep / Geo Max Lowely Rig Duke 07
 Location: Sec. 23 Twp 29 Rge. 9 Co. Kingman State KS

Interval Tested ~~3946-3960~~ 3946-3960 Zone Tested Swope
 Anchor Length 14 Drill Pipe Run 3947 Mud Wt. 9.3
 Top Packer Depth 3941 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3946 Wt. Pipe Run N.A. WL 8.8
 Total Depth 3960 Chlorides 4500 ppm System LCM 3^A

Blow Description IF: 30 min., fair building blow, 6 inches
ISB: 45 min., no blow back
FF: 45 min., fair building blow, 5.25 inches
FSB: 60 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>oil spotted watery mud</u>	<u>Spot</u>	<u>40</u>	<u>60</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>Tool samples = 100% W</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 119 Gravity _____ API RW .058 @ 74 °F Chlorides 140,000 ppm
 Initial Hydrostatic 1899 Test conv. 1800 Ruined Shale Packer _____
 Initial Flow 27 to 37 Jars 300 Ruined Packer _____
 Initial Shut-In 1377 Circ Sub _____ Hotel _____
 Final Flow 43 to 57 Hourly Standby _____ EM Tool Successful good
 Final Shut-In 1369 Mileage x170 122.50 Accessibility _____
 Final Hydrostatic 1882 Sampler _____ Gas Sample _____
 T-On Location 2030 Straddle _____ Oversized Hole _____
 Initial Flow 30 T-Started 2230 Shale Packer _____ Sub Total 0
 Initial Shut-In 45 T-Open 0215 Extra Packer _____ Total 2222.50
 Final Flow 45 T-Pulled 0415 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 60 T-Out 0530 Day Standby _____ MP/DST Disc't _____
 Comments 2228

Approved By _____ Our Representative Chris Hegeman

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70740

Well Name & No. Mohitar 23 AD #1 Test No. 2 Date 5-30-24
 Company Ritchie Exploration, Inc. Elevation 1688 KB 1676 GL
 Address P.O. Box 783188 Wichita, KS 67278
 Co. Rep / Geo Max Lovely Rig Duke #7
 Location: Sec. 23 Twp 29 Rge. 9 Co. Kingman State KS

Interval Tested 4207-4288 Zone Tested M.S.S.
 Anchor Length 81' Drill Pipe Run 4197 Mud Wt. 9.2
 Top Packer Depth 4202 Drill Collars Run 0 Vis SI
 Bottom Packer Depth 4207 Wt. Pipe Run N.A. WL 9.2
 Total Depth 4288 Chlorides 5000 ppm System LCM 3 #

Blow Description IF: 30 min., fair building blow, 3 inches
ISB: 45 min., no blow back
FP: 45 min., fair building blow, 5 inches
FSB: 60 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 119 Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic 2048 Test conv. 1950 Ruined Shale Packer _____
 Initial Flow 27 to 25 Jars 300 Ruined Packer _____
 Initial Shut-In 129 Circ Sub _____ Hotel _____
 Final Flow 25 to 34 Hourly Standby _____ EM Tool Successful good
 Final Shut-In 150 Mileage 70 122.50 Accessibility _____
 Final Hydrostatic 2047 Sampler _____ Gas Sample _____
 T- On Location 1330 Straddle _____ Oversized Hole _____
 Initial Flow 30 T-Started 1400 Shale Packer _____ Sub Total 0
 Initial Shut-In 45 T-Open 1525 Extra Packer _____ Total 2372.50
 Final Flow 45 T-Pulled 1825 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 60 T-Out 2000 Day Standby _____ MP/DST Disc't _____
 Comments 1352

Approved By _____ Our Representative Chris Korman

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

NO. 70741

Well Name & No. Malheur 23AD #1 Test No. 3 Date 05-31-24
 Company Ritchie Exploration, Inc Elevation 1688 KB 1676 GL
 Address P.O. Box 783188 Wichita, KS 67278
 Co. Rep / Geo Max Lovely Rig Duke #17
 Location: Sec. 23 Twp 29 Rge. 9 Co. Kingman State KS

Interval Tested 4286-4310 Zone Tested Miss.
 Anchor Length 24' Drill Pipe Run 4266 Mud Wt. 9.2
 Top Packer Depth 4281 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 4286 Wt. Pipe Run N.A. WL 9.2
 Total Depth 4310 Chlorides 5000 ppm System LCM 3rd

Blow Description IF: 30 min., BOB 4 min., strong building blow, 60 inches
ISB: 45 min., no blow back
FP: 45 min., BOB ASAD, strong building blow, 158 inches
FSB: 60 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>Muddy water</u>			<u>85</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>3355' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 95 BHT 123 Gravity _____ API RW .094 @ 74 °F Chlorides 78,000 ppm
 Initial Hydrostatic 2052 Test CONV. 1950 Ruined Shale Packer _____
 Initial Flow 25 to 40 Jars 300 Ruined Packer _____
 Initial Shut-In 417 Circ Sub _____ Hotel _____
 Final Flow 37 to 65 Hourly Standby _____ EM Tool Successful good
 Final Shut-In 411 Mileage 70 122.50 Accessibility _____
 Final Hydrostatic 2042 Sampler _____ Gas Sample _____
 T-On Location 0200 Straddle _____ Oversized Hole _____
 Initial Flow 30 T-Started 0230 Shale Packer _____ Sub Total 0
 Initial Shut-In 45 T-Open 0405 Extra Packer _____ Total 2372.50
 Final Flow 45 T-Pulled 0705 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 60 T-Out 0900 Day Standby _____ MP/DST Disc't _____
 Comments 0220

Approved By _____ Our Representative Chris Hagan

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70742

Well Name & No. Molitor 23AD #1 Test No. 4 Date 6-1-24
 Company Ritchie Exploration Inc. Elevation 1688 KB 1676 GL
 Address P.O. Box 783188 Wichita, KS 67278
 Co. Rep / Geo Max Lovely Rig Duke #7
 Location: Sec. 23 Twp 29 Rge. 9 Co. Kingman State KS

Interval Tested 4565-4572 Zone Tested Viola
 Anchor Length 7' Drill Pipe Run 4547 Mud Wt. 9.2
 Top Packer Depth 4560 Drill Collars Run Ø Vis 51
 Bottom Packer Depth 4565 Wt. Pipe Run N.A. WL 9.2
 Total Depth 4572 Chlorides 5,800 ppm System LCM 3#
 Blow Description IF: 20 min., BOB 3 min., strong building blow, 113 inches
IS: 45 min., blowback 30 sec., 10 inches
FP: 45 min., BOB ASAO, strong building blow, 175 inches
ES: 60 min., blowback 30 sec., 6.7 inches

Rec	Feet of	%gas	%oil	%water	%mud
<u>2050</u>	<u>water</u>			<u>100%</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>400' GEP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2050 BHT 135 Gravity API RW .084 @ 80 °F Chlorides 80,000 ppm
 Initial Hydrostatic 2230 Test CONV. 1950 Ruined Shale Packer
 Initial Flow 48 to 462 Jars 300 Ruined Packer
 Initial Shut-In 1588 Circ Sub Hotel
 Final Flow 464 to 944 Hourly Standby EM Tool Successful logged
 Final Shut-In 1589 Mileage x 170 122.50 Accessibility -350
 Final Hydrostatic 2261 Sampler Gas Sample
 T-On Location 0900 Straddle Oversized Hole
 Initial Flow 30 T-Started 0930 Shale Packer x 1.0 250 Sub Total -350
 Initial Shut-In 45 T-Open 1115 Extra Packer Total 2272.50
 Final Flow 45 T-Pulled 1415 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 0430 Day Standby MP/DST Disc't
 Comments 0922

Approved By _____ Our Representative Chris Hegman

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

TEST TICKET

NO. 70743

Well Name & No. Molitor AD23 #1 Test No. 5 Date 6-2-24
 Company Ritchie Exploration, Inc. Elevation 1688 KB 1676 GL
 Address P.O. Box 783188 Wichita, KS 67278
 Co. Rep / Geo Mark Lovely Rig Dulce #17
 Location: Sec. 23 Twp 29 Rge. 9 Co. Kingman State KS

Interval Tested 4614-4621 Zone Tested Simpson
 Anchor Length 7' Drill Pipe Run 4614 Mud Wt. 9.4
 Top Packer Depth 4609 Drill Collars Run 0 Vis 65
 Bottom Packer Depth 4614 Wt. Pipe Run N.A. WL 10.4
 Total Depth 4621 Chlorides 7400 ppm System LCM 3 #

Blow Description IF: 30 min., fair building blow, 4 inches
ISB: 45 min., no blow back
FF: 45 min., fair building blow, 3.75 inches
FSB: 60 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Water</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 75 BHT 133 Gravity API RW .128 @ 73 °F Chlorides 60,000 ppm
 Initial Hydrostatic 2191 Test conv. 1950 Ruined Shale Packer
 Initial Flow 25 to 40 Jars 300 Ruined Packer
 Initial Shut-In 1597 Circ Sub Hotel
 Final Flow 52 to 63 Hourly Standby EM Tool Successful seed
 Final Shut-In 1607 Mileage x70 122.50 Accessibility
 Final Hydrostatic 2230 Sampler Gas Sample
 T-On Location 0200 Straddle Oversized Hole
 Initial Flow 30 T-Started 0230 Shale Packer Sub Total 0
 Initial Shut-In 45 T-Open 0430 Extra Packer Total 2372.50
 Final Flow 45 T-Pulled 0730 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 0900 Day Standby MP/DST Disc't
 Comments 0217

Approved By _____ Our Representative Chris Heger

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.

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOGS

COMPANY Ritchie Exploration

WELL #1 Mollitor 23AB

LEAST 11240 FEET 1132 FEET

LOCATION 1240 FEET 1132 FEET

COUNTY Kimman STATE KS

CONTRACTOR Duke Rig #7

SPUD 5-23-24 2400 6-3-24

RTO 4760 LTD 4762

WELL UP 3619 TYPE Mud Chem

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SHAPE	LOG TOP	LOG BOT	STR. POS.	DEPTH
Indiant Cave	2388	2410	-725	A	-713
Stoiler	2600	2600	915	-905	-899
Heebner	3352	3386	1671	-1686	-1683
Janisina	3392	3393	1808	-1830	-1885
Stark	3392	3392	2266	-2254	-2252
Blak	3392	3384	2266	-2289	-2290
Edwards	3392	3384	2266	-2289	-2290
Clarks	4103	4103	2506	-2485	-2492
Mississin	4288	4282	2587	-2561	-2554
Kindred	4489	4407	2722	-2721	-2716
Viola	4567	4567	2881	-2877	-2874
Simmons	4619	4618	2843	-2824	-2824
Ardmore	4741	4748	3064	-3054	-3054

REFERENCE WELLS FOR STRUCTURE

A TRACK #1 MILLER SE 1/4 SEC 26 T29N R29E S9W

EDWARDS #1 MILLER SE 1/4 SEC 26 T29N R29E S9W

EDWARDS #1 MILLER SE 1/4 SEC 26 T29N R29E S9W

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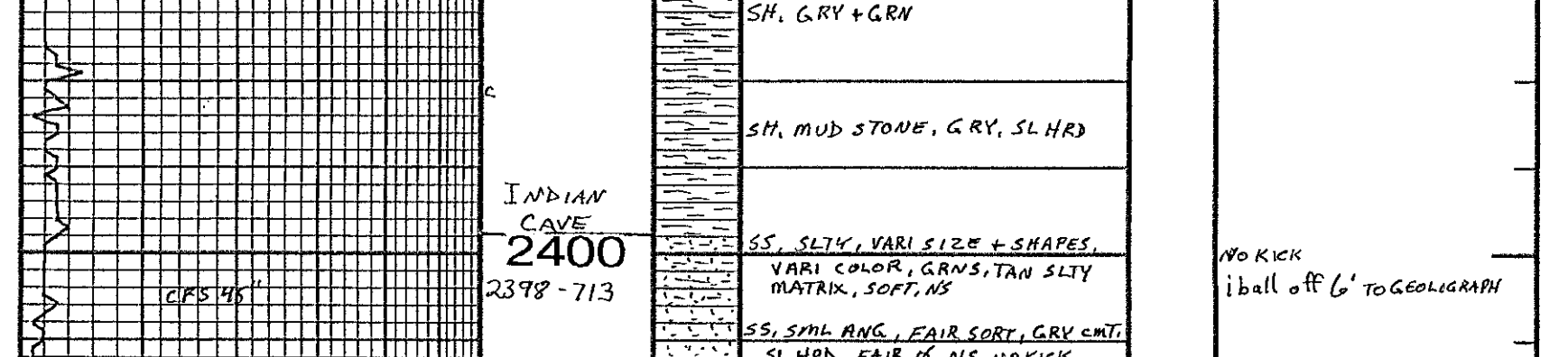
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LEGEND



DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Decreases

DEPTH

REMARKS

LITHOLOGY

SAMPLE DESCRIPTIONS

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



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

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

September 24, 2024

John Goldsmith
Ritchie Exploration, Inc.
8100 E 22ND ST N # 700
PO BOX 783188
WICHITA, KS 67278-3188

Re: ACO-1
API 15-095-22359-00-00
MOLITOR 23AD 1
SE/4 Sec.23-29S-09W
Kingman County, Kansas

Dear John Goldsmith:

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 5/23/2024 and the ACO-1 was received on September 24, 2024 (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