

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 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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	FLAX 1-31
Doc ID	1669061

All Electric Logs Run

DIL
Density-Neutron
Sonic
Microlog



DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co, Inc.**

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206

ATTN: Blake Miller

Flax #1-31

3-16s -22w Ness,KS

Start Date: 2022.06.06 @ 08:02:00

End Date: 2022.06.06 @ 13:24:00

Job Ticket #: 68105 DST #: 1

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

Printed: 2022.06.13 @ 16:48:49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68105

DST#: 1

Test Start: 2022.06.06 @ 08:02:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:11:30

Time Test Ended: 13:24:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4291.00 ft (KB) To 4347.00 ft (KB) (TVD)

Reference Elevations: 2384.00 ft (KB)

Total Depth: 4347.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8874 Outside

Press@RunDepth: 35.52 psig @ 4292.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.06

End Date: 2022.06.06

Last Calib.: 2022.06.06

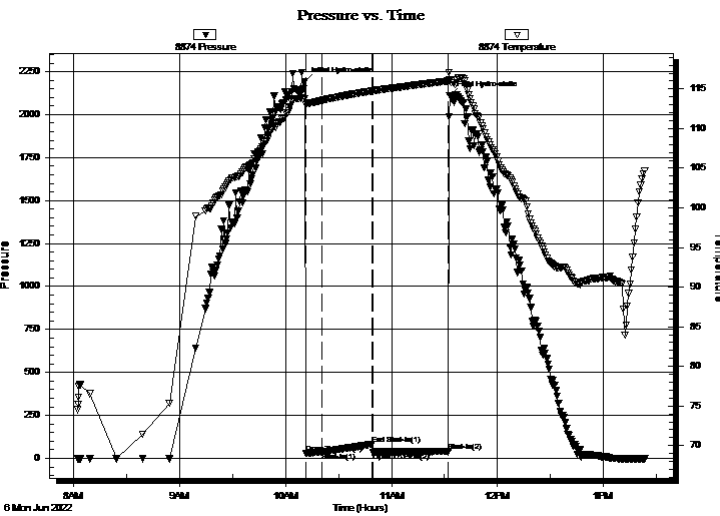
Start Time: 08:02:05

End Time: 13:23:59

Time On Btm: 2022.06.06 @ 10:11:00

Time Off Btm: 2022.06.06 @ 11:33:00

TEST COMMENT: IF: 3/4" blow .
IS: No return.
FF: surface" blow , Receded to nothing.
Pulled test. 10-30-45-pulled



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.54	113.73	Initial Hydro-static
1	30.25	113.05	Open To Flow (1)
10	35.52	113.56	Shut-In(1)
38	82.72	114.75	End Shut-In(1)
39	36.57	114.75	Open To Flow (2)
82	38.89	116.00	Shut-In(2)
82	2112.06	116.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m (oil spots)	0.07

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
 1700 N Waterfront Pkwy
 Bldg 1200
 Wichita, KS 67206
 ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68105

DST#: 1

Test Start: 2022.06.06 @ 08:02:00

GENERAL INFORMATION:

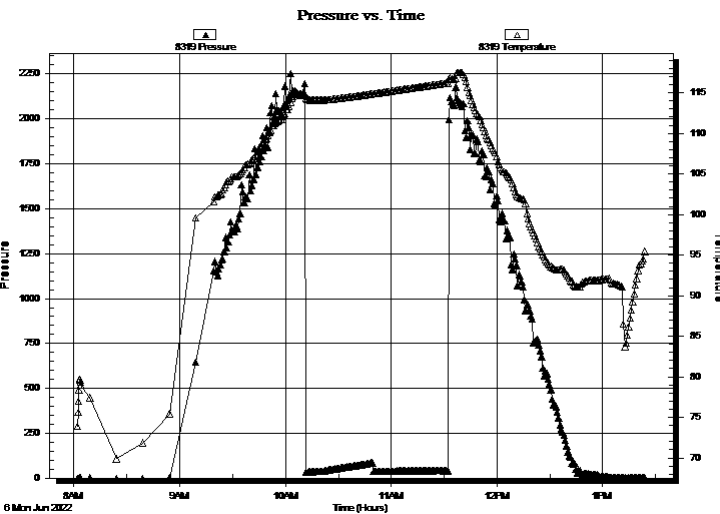
Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:11:30
 Tester: Bradley Walter
 Time Test Ended: 13:24:00
 Unit No: 78
 Interval: **4291.00 ft (KB) To 4347.00 ft (KB) (TVD)**
 Reference Elevations: 2384.00 ft (KB)
 Total Depth: 4347.00 ft (KB) (TVD)
 2377.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 7.00 ft

Serial #: 8319

Inside

Press@RunDepth: psig @ 4292.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.06 End Date: 2022.06.06 Last Calib.: 2022.06.06
 Start Time: 08:02:05 End Time: 13:24:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 3/4" blow.
 IS: No return.
 FF: surface" blow , Receded to nothing.
 Pulled test. 10-30-45-pulled



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m (oil spots)	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68105

DST#: 1

Test Start: 2022.06.06 @ 08:02:00

Tool Information

Drill Pipe:	Length: 4167.00 ft	Diameter: 3.80 inches	Volume: 58.45 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4291.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	86.00 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			4262.00	
Shut In Tool	5.00			4267.00	
Hydraulic tool	5.00			4272.00	
Jars	5.00			4277.00	
EM Tool	3.00			4280.00	
Safety Joint	2.00			4282.00	
Packer	5.00			4287.00	30.00 Bottom Of Top Packer
Packer	4.00			4291.00	
Stubb	1.00			4292.00	
Recorder	0.00	8319	Inside	4292.00	
Recorder	0.00	8874	Outside	4292.00	
Perforations	19.00			4311.00	
Change Over Sub	1.00			4312.00	
Drill Pipe	31.00			4343.00	
Change Over Sub	1.00			4344.00	
Bullnose	3.00			4347.00	56.00 Bottom Packers & Anchor
Total Tool Length:	86.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68105

DST#: 1

Test Start: 2022.06.06 @ 08:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 57.86 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m (oil spots)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

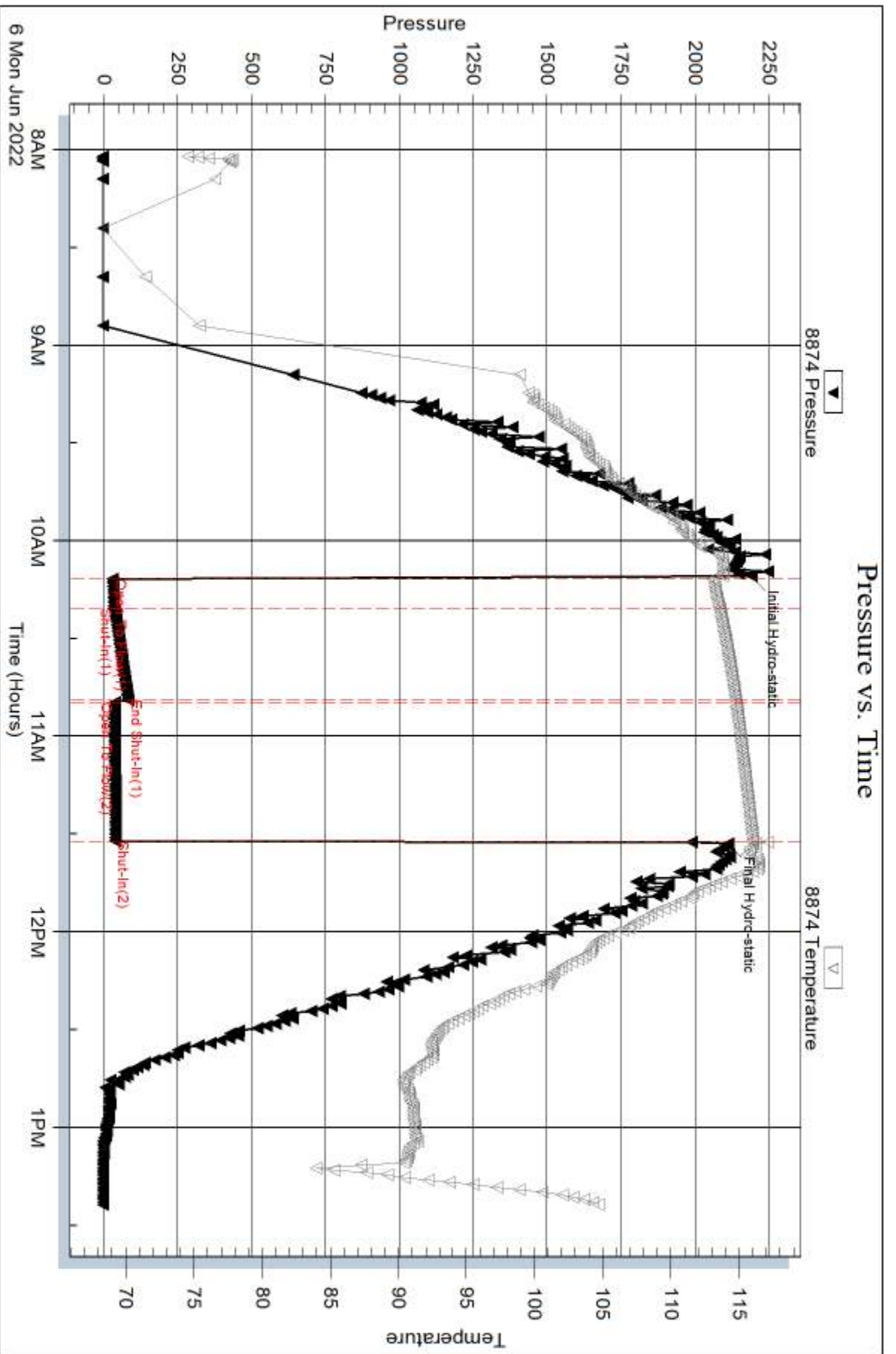
Num Gas Bombs: 0

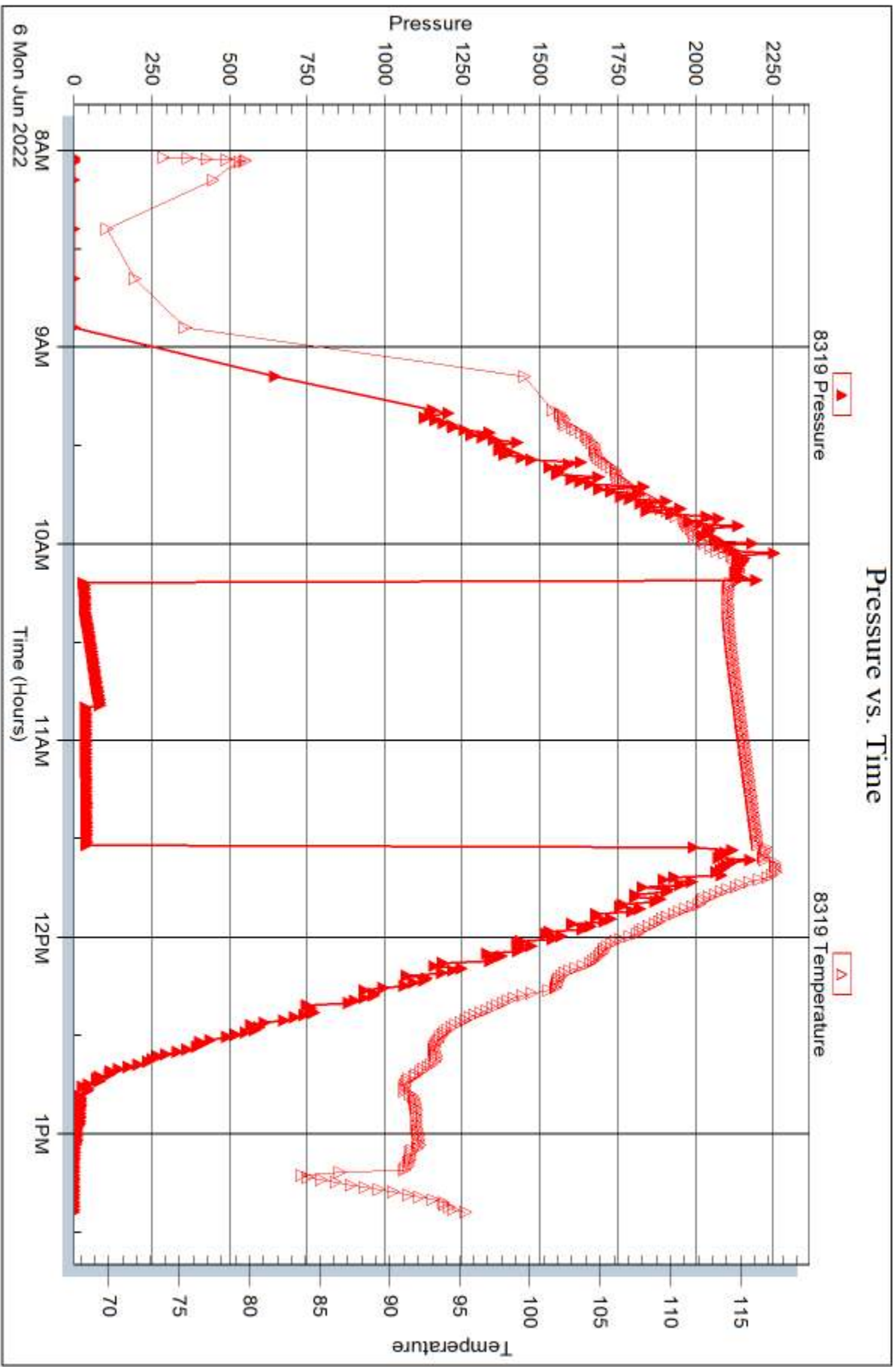
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co, Inc.**

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206

ATTN: Blake Miller

Flax #1-31

3-16s -22w Ness,KS

Start Date: 2022.06.06 @ 23:25:00

End Date: 2022.06.07 @ 08:08:45

Job Ticket #: 68106 DST #: 2

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

Printed: 2022.06.13 @ 16:48:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68106

DST#: 2

Test Start: 2022.06.06 @ 23:25:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:00:00

Time Test Ended: 08:08:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4349.00 ft (KB) To 4400.00 ft (KB) (TVD)

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2384.00 ft (KB)

2377.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8874 Outside

Press@RunDepth: 34.79 psig @ 4350.00 ft (KB)

Start Date: 2022.06.06

End Date:

2022.06.07

Start Time: 23:25:05

End Time:

08:08:45

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2022.06.07 @ 01:59:45

Time Off Btm: 2022.06.07 @ 05:53:00

TEST COMMENT: IF: 3/4" blow , receded to 1/2"

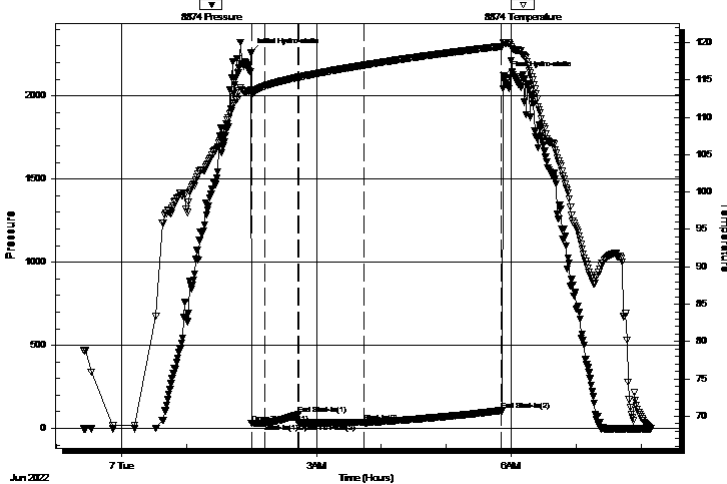
IS: No return.

FF: No blow .

FS: No return.

10-30-60-120

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.48	113.72	Initial Hydro-static
1	28.38	112.86	Open To Flow (1)
13	30.96	114.19	Shut-In(1)
44	82.41	115.36	End Shut-In(1)
44	31.67	115.34	Open To Flow (2)
105	34.79	116.98	Shut-In(2)
231	107.04	119.48	End Shut-In(2)
234	2119.46	120.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m (oil spots)	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68106

DST#: 2

Test Start: 2022.06.06 @ 23:25:00

Tool Information

Drill Pipe:	Length: 4232.00 ft	Diameter: 3.80 inches	Volume: 59.36 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 59.94 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4349.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	81.00 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			4320.00	
Shut In Tool	5.00			4325.00	
Hydraulic tool	5.00			4330.00	
Jars	5.00			4335.00	
EM Tool	3.00			4338.00	
Safety Joint	2.00			4340.00	
Packer	5.00			4345.00	30.00 Bottom Of Top Packer
Packer	4.00			4349.00	
Stubb	1.00			4350.00	
Recorder	0.00	8319	Inside	4350.00	
Recorder	0.00	8874	Outside	4350.00	
Perforations	14.00			4364.00	
Change Over Sub	1.00			4365.00	
Drill Pipe	31.00			4396.00	
Change Over Sub	1.00			4397.00	
Bullnose	3.00			4400.00	51.00 Bottom Packers & Anchor
Total Tool Length:	81.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68106

DST#: 2

Test Start: 2022.06.06 @ 23:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 70.00 sec/qt

Water Loss: 6.79 in³

Resistivity: ohm.m

Salinity: 9500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m (oil spots)	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

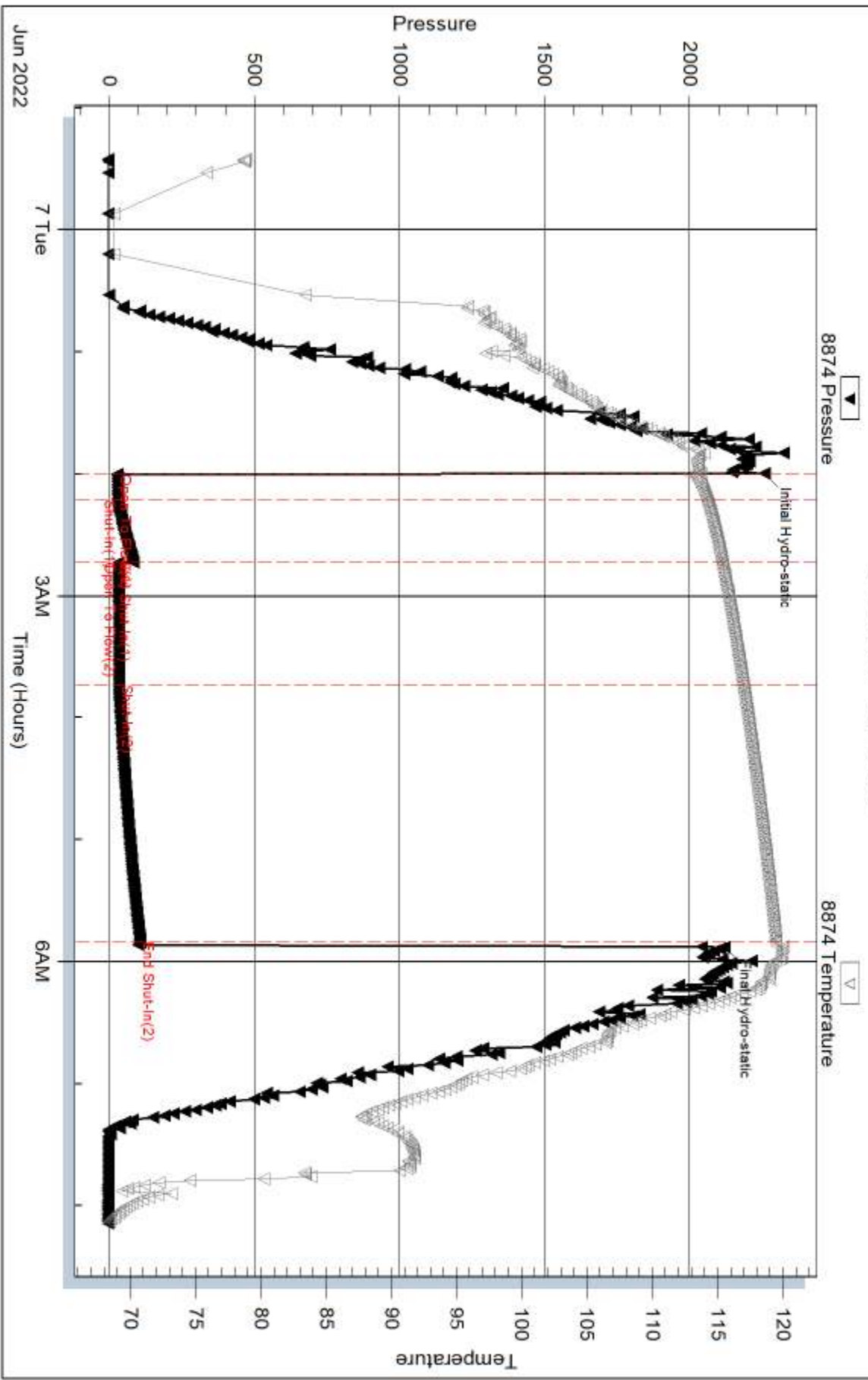
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



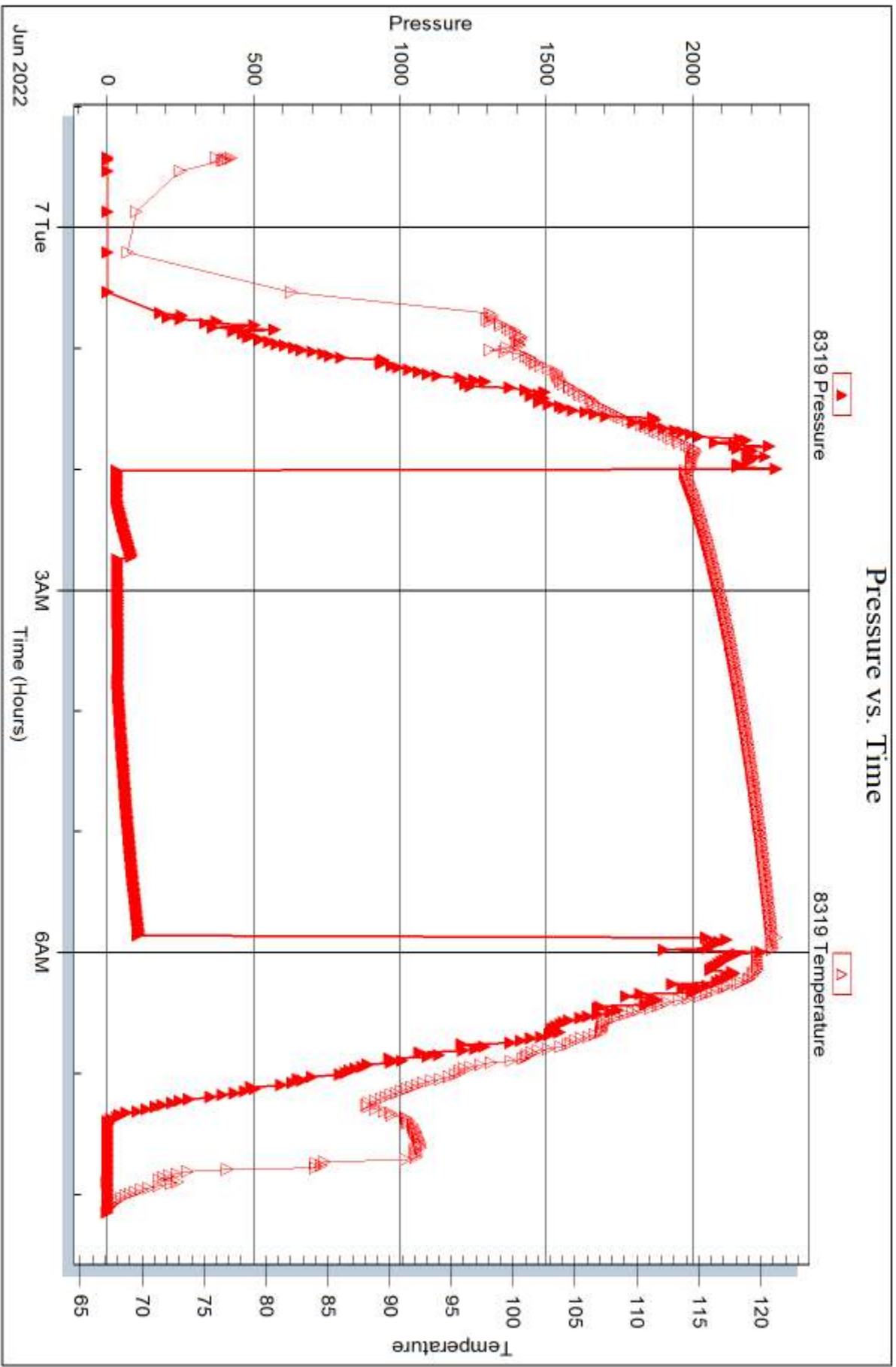
Serial #: 8319

Inside

Mull Drilling Co., Inc.

Flux #1-31

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co, Inc.**

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206

ATTN: Blake Miller

Flax #1-31

3-16s -22w Ness,KS

Start Date: 2022.06.08 @ 21:15:00

End Date: 2022.06.09 @ 01:58:45

Job Ticket #: 68107 DST #: 3

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

Printed: 2022.06.13 @ 16:47:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68107

DST#: 3

Test Start: 2022.06.08 @ 21:15:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:27:30

Time Test Ended: 01:58:45

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4395.00 ft (KB) To 4440.00 ft (KB) (TVD)

Total Depth: 4630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2384.00 ft (KB)

2377.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4396.00 ft (KB)

Start Date: 2022.06.08

End Date:

2022.06.09

Start Time: 21:15:05

End Time:

01:58:44

Capacity: 8000.00 psig

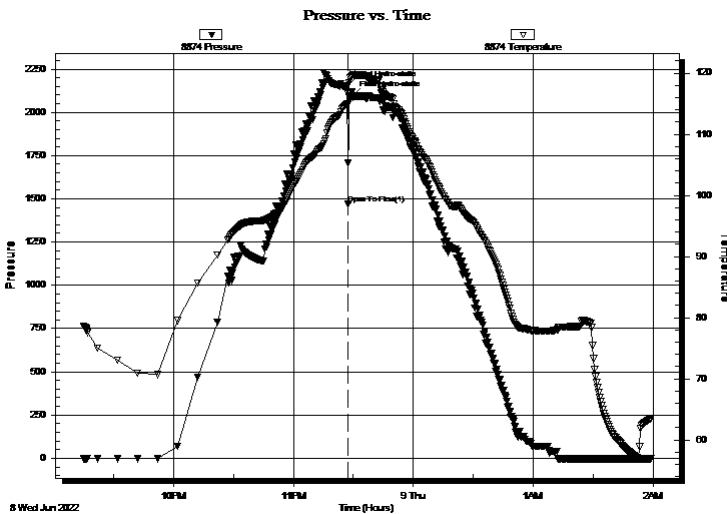
Last Calib.: 2022.06.09

Time On Btm: 2022.06.08 @ 23:27:00

Time Off Btm: 2022.06.08 @ 23:30:00

TEST COMMENT: top packers did not seat
Miss-run

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.96	114.97	Initial Hydro-static
1	1472.45	116.61	Open To Flow (1)
3	2094.43	119.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud 100m	1.45

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68107

DST#: 3

Test Start: 2022.06.08 @ 21:15:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:27:30

Time Test Ended: 01:58:45

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4395.00 ft (KB) To 4440.00 ft (KB) (TVD)

Reference Elevations: 2384.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8845

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.08

End Date:

2022.06.09

Last Calib.:

2022.06.09

Start Time: 21:15:05

End Time:

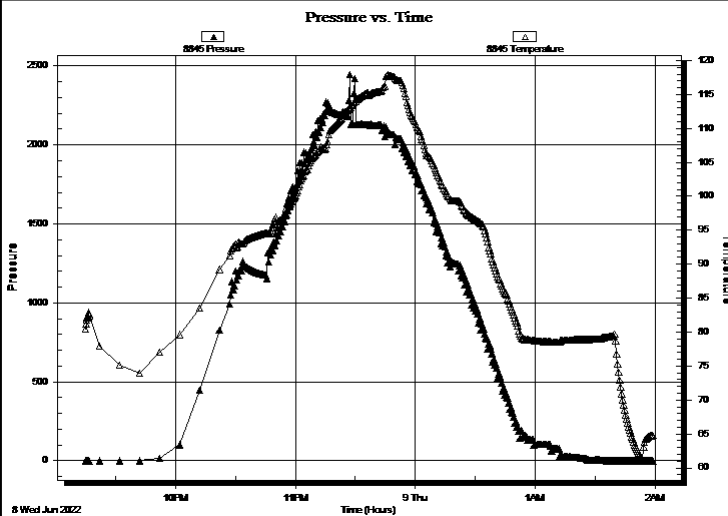
01:58:44

Time On Btm:

Time Off Btm:

TEST COMMENT: top packers did not seat
Miss-run

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud 100m	1.45

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68107

DST#: 3

Test Start: 2022.06.08 @ 21:15:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:27:30

Time Test Ended: 01:58:45

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4395.00 ft (KB) To 4440.00 ft (KB) (TVD)

Reference Elevations: 2384.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4396.00 ft (KB)

Start Date: 2022.06.08

End Date:

Capacity: 8000.00 psig

2022.06.09

Last Calib.:

2022.06.09

Start Time: 21:15:05

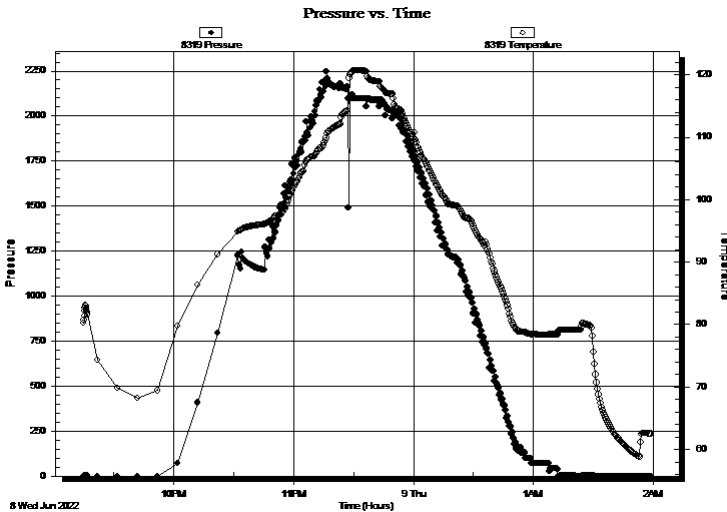
End Time:

01:58:44

Time On Btm:

Time Off Btm:

TEST COMMENT: top packers did not seat
Miss-run



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud 100m	1.45

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkw y
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68107

DST#: 3

Test Start: 2022.06.08 @ 21:15:00

Tool Information

Drill Pipe:	Length: 4262.00 ft	Diameter: 3.80 inches	Volume: 59.78 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 60.36 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4395.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	4629.00 ft				
Interval between Packers:	234.00 ft				
Tool Length:	264.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

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

Change Over Sub	1.00			4366.00	
Shut In Tool	5.00			4371.00	
Hydraulic tool	5.00			4376.00	
EM tool	3.00			4379.00	
Jars	5.00			4384.00	
Safety Joint	2.00			4386.00	
Packer	5.00			4391.00	30.00 Bottom Of Top Packer
Packer	4.00			4395.00	
Stubb	1.00			4396.00	
Recorder	0.00	8319	Inside	4396.00	
Recorder	0.00	8874	Outside	4396.00	
Perforations	1.00			4397.00	
Change Over Sub	1.00			4398.00	
Drill Pipe	31.00			4429.00	
Change Over Sub	1.00			4430.00	
Perforations	5.00			4435.00	
Blank Off Sub	1.00			4436.00	
Packer - Shale	3.00			4439.00	
Stubb	1.00			4440.00	
Perforations	24.00			4464.00	
Change Over Sub	1.00			4465.00	
recorder	0.00	8845	Below	4465.00	
Drill Pipe	158.00			4623.00	
Change Over Sub	1.00			4624.00	
Bullnose	5.00			4629.00	234.00 Bottom Packers & Anchor

Total Tool Length: 264.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkw y
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68107

DST#: 3

Test Start: 2022.06.08 @ 21:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 67.90 in³

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Mud 100m	1.450

Total Length: 180.00 ft Total Volume: 1.450 bbl

Num Fluid Samples: 0

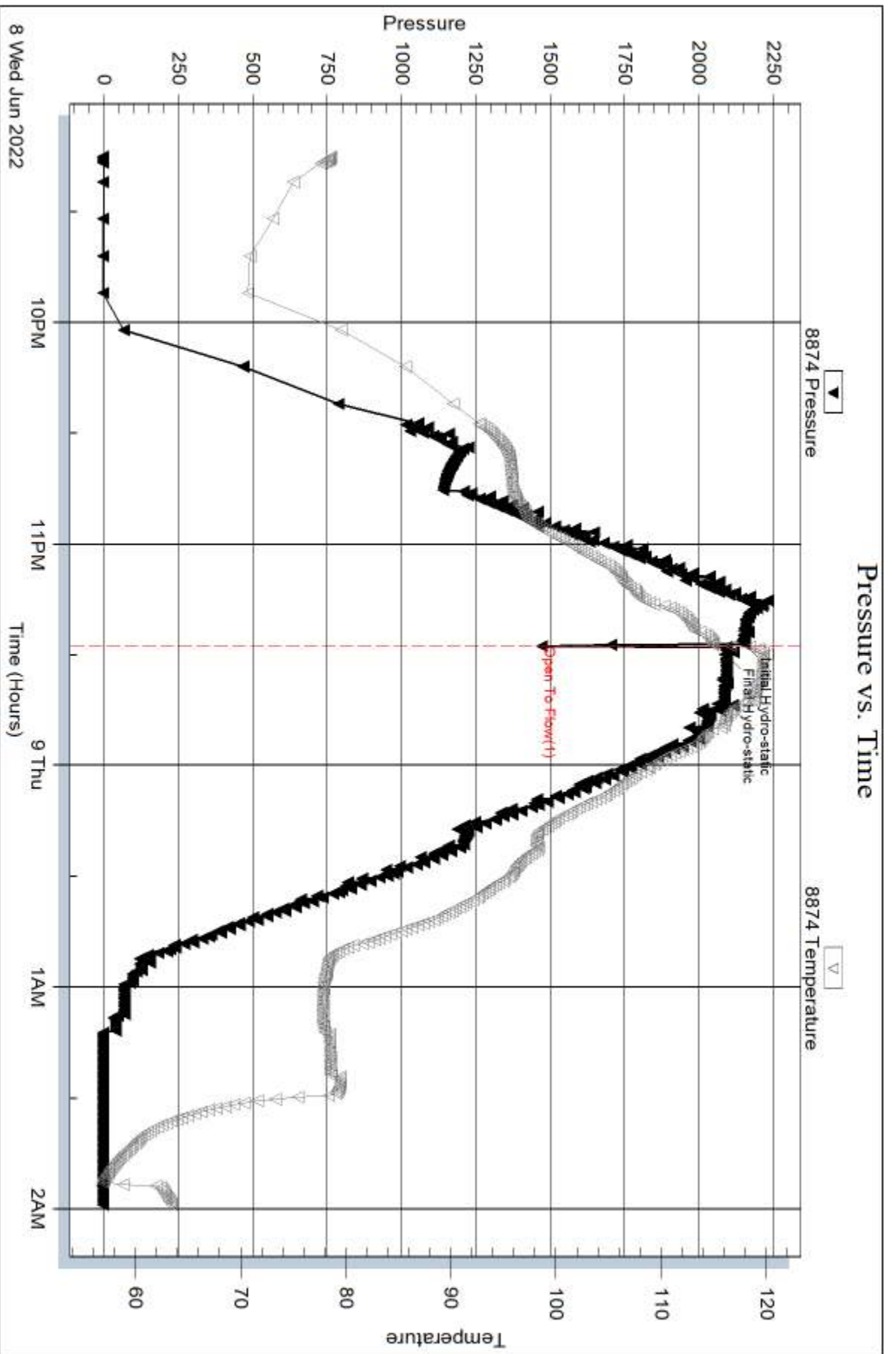
Num Gas Bombs: 0

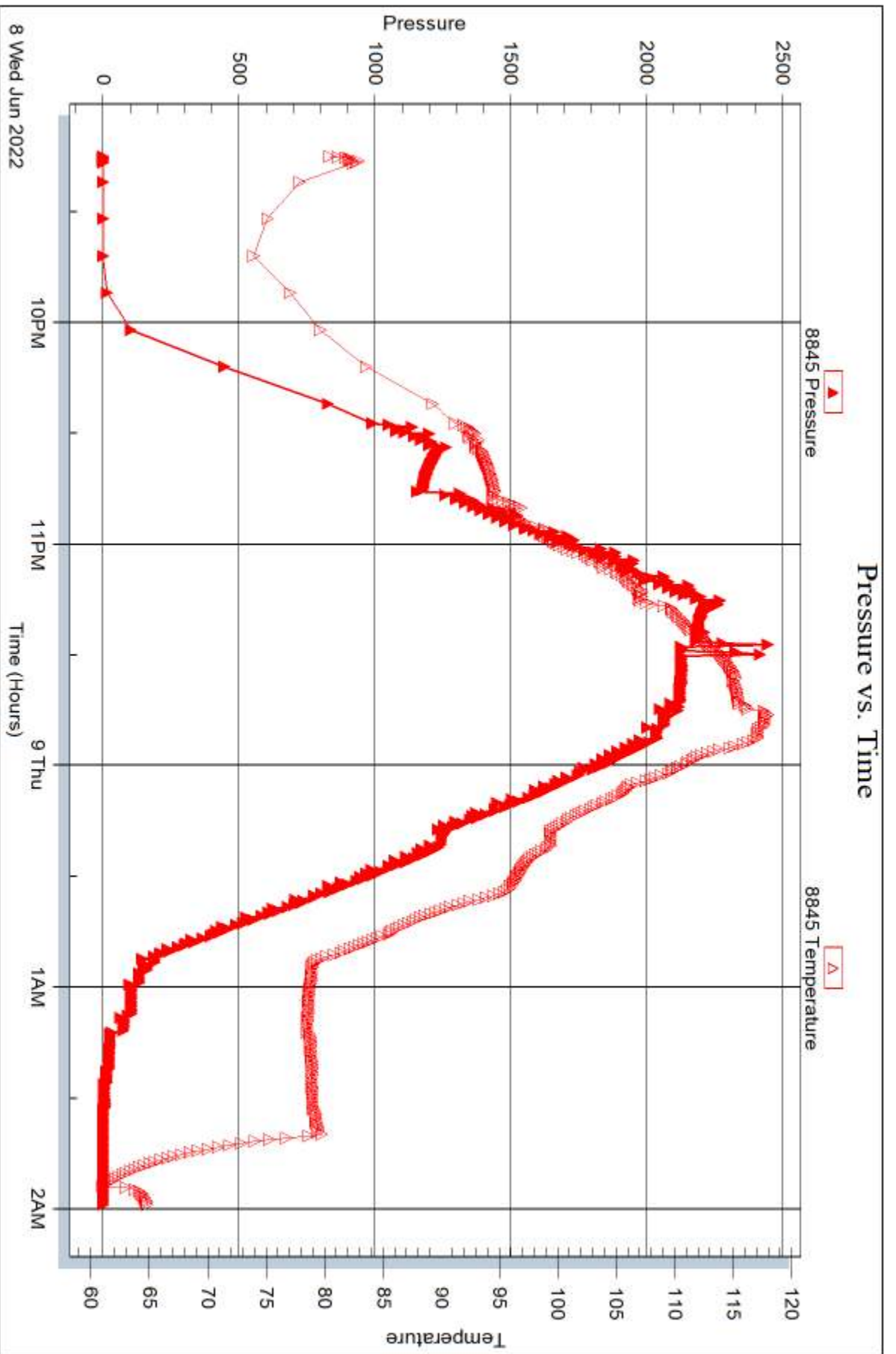
Serial #:

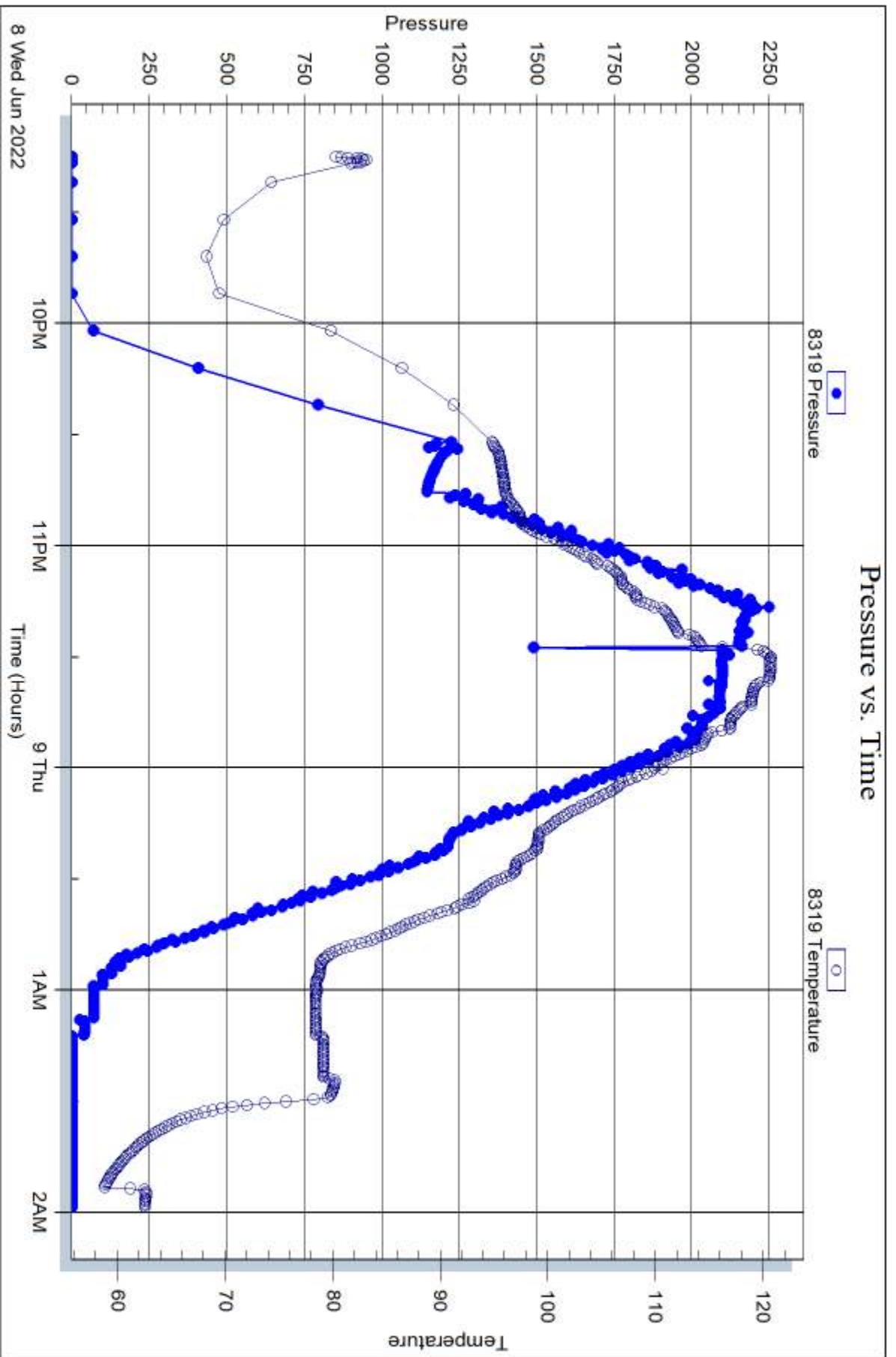
Laboratory Name:

Laboratory Location:

Recovery Comments: miss-run









DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co, Inc.**

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206

ATTN: Blake Miller

Flax #1-31

3-16s -22w Ness,KS

Start Date: 2022.06.09 @ 02:28:05

End Date: 2022.06.09 @ 10:30:44

Job Ticket #: 68108 DST #: 4

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

Printed: 2022.06.13 @ 16:46:59



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68108

DST#: 4

Test Start: 2022.06.09 @ 02:28:05

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:26:00
 Time Test Ended: 10:30:44
 Interval: **4344.00 ft (KB) To 4451.00 ft (KB) (TVD)**
 Total Depth: 4630.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2384.00 ft (KB)
 2377.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8319

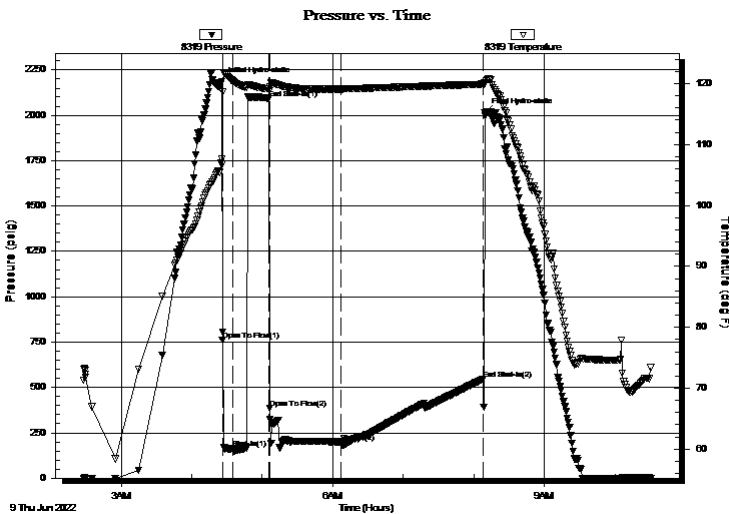
Inside

Press@RunDepth: 200.38 psig @ 4345.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.09 End Date: 2022.06.09 Last Calib.: 2022.06.09
 Start Time: 02:28:05 End Time: 10:30:44 Time On Btm: 2022.06.09 @ 04:25:30
 Time Off Btm: 2022.06.09 @ 08:09:15

TEST COMMENT: IF: BOB @ 30 sec. 18" blow then stagnated.
 IS: Surface return.
 FF: 4 1/4" blow 30 sec. stagnated. flushed tool no help.
 FS: No return. 10-30-60-120

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.17	107.58	Initial Hydro-static
1	759.66	106.83	Open To Flow (1)
10	162.77	120.37	Shut-In(1)
41	2094.78	119.09	End Shut-In(1)
41	387.02	118.88	Open To Flow (2)
102	200.38	119.11	Shut-In(2)
223	548.21	119.90	End Shut-In(2)
224	2015.60	120.12	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
340.00	Mud 100m	3.69

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68108

DST#: 4

Test Start: 2022.06.09 @ 02:28:05

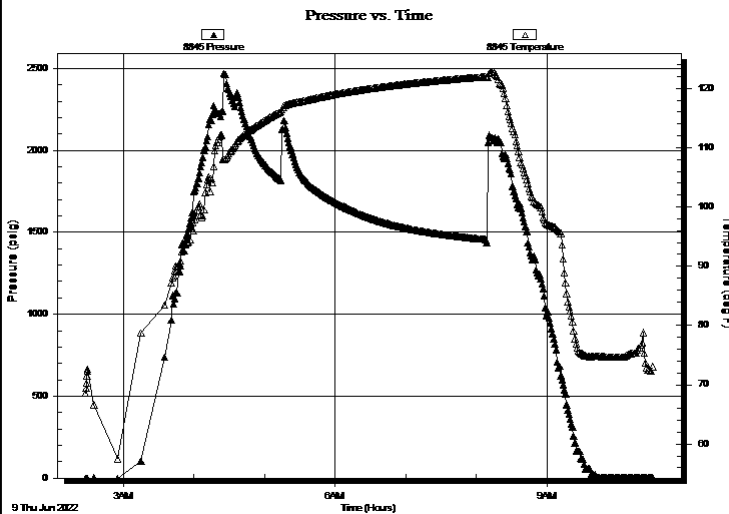
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:26:00
 Time Test Ended: 10:30:44
 Interval: **4344.00 ft (KB) To 4451.00 ft (KB) (TVD)**
 Total Depth: 4630.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2384.00 ft (KB)
 2377.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8845

Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.06.09 End Date: 2022.06.09 Last Calib.: 2022.06.09
 Start Time: 02:28:05 End Time: 10:29:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 30 sec. 18" blow then stagnated.
 IS: Surface return.
 FF: 4 1/4" blow 30 sec. stagnated. flushed tool no help.
 FS: No return. 10-30-60-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Mud 100m	3.69

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

Mull Drilling Co, Inc.
 1700 N Waterfront Pkwy
 Bldg 1200
 Wichita, KS 67206
 ATTN: Blake Miller

3-16s -22w Ness,KS

Flax #1-31

Job Ticket: 68108

DST#: 4

Test Start: 2022.06.09 @ 02:28:05

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:00

Time Test Ended: 10:30:44

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4344.00 ft (KB) To 4451.00 ft (KB) (TVD)**

Reference Elevations: 2384.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

2377.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: **8874** Outside

Press@RunDepth: psig @ 4345.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.09

End Date:

2022.06.09

Last Calib.:

2022.06.09

Start Time: 02:28:05

End Time:

10:30:44

Time On Btm:

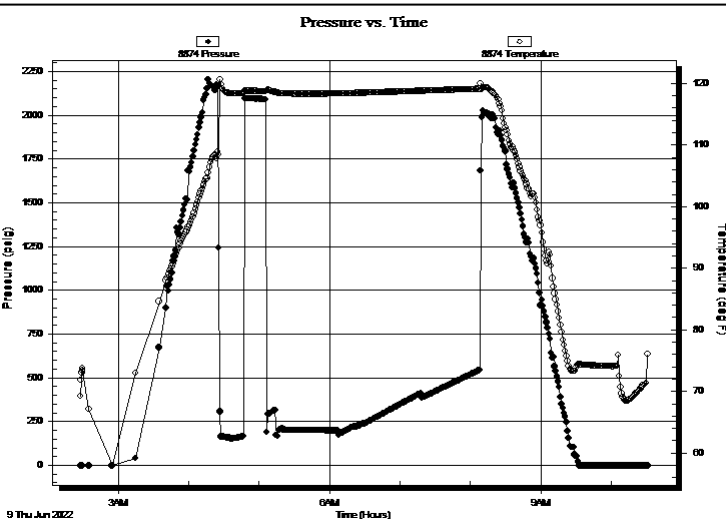
Time Off Btm:

TEST COMMENT: IF: BOB @ 30 sec. 18" blow then stagnated.

IS: Surface return.

FF: 4 1/4" blow 30 sec. stagnated. flushed tool no help.

FS: No return. 10-30-60-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Mud 100m	3.69

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkw y
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68108

DST#: 4

Test Start: 2022.06.09 @ 02:28:05

Tool Information

Drill Pipe:	Length: 4202.00 ft	Diameter: 3.80 inches	Volume: 58.94 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.52 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4344.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	286.00 ft				
Tool Length:	316.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

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

Change Over Sub	1.00			4315.00	
Shut In Tool	5.00			4320.00	
Hydraulic tool	5.00			4325.00	
EM tool	3.00			4328.00	
Jars	5.00			4333.00	
Safety Joint	2.00			4335.00	
Packer	5.00			4340.00	30.00 Bottom Of Top Packer
Packer	4.00			4344.00	
Stubb	1.00			4345.00	
Recorder	0.00	8319	Inside	4345.00	
Recorder	0.00	8874	Outside	4345.00	
Perforations	1.00			4346.00	
Change Over Sub	1.00			4347.00	
Drill Pipe	94.00			4441.00	
Change Over Sub	1.00			4442.00	
Perforations	5.00			4447.00	
Blank Off Sub	1.00			4448.00	
Packer - Shale	3.00			4451.00	
Stubb	1.00			4452.00	
Perforations	15.00			4467.00	
Change Over Sub	1.00			4468.00	
recorder	0.00	8845	Below	4468.00	
Drill Pipe	158.00			4626.00	
Change Over Sub	1.00			4627.00	
Bullnose	3.00			4630.00	286.00 Bottom Packers & Anchor

Total Tool Length: 316.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co, Inc.

3-16s -22w Ness,KS

1700 N Waterfront Pkw y
Bldg 1200
Wichita, KS 67206
ATTN: Blake Miller

Flax #1-31

Job Ticket: 68108

DST#: 4

Test Start: 2022.06.09 @ 02:28:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 5500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	Mud 100m	3.694

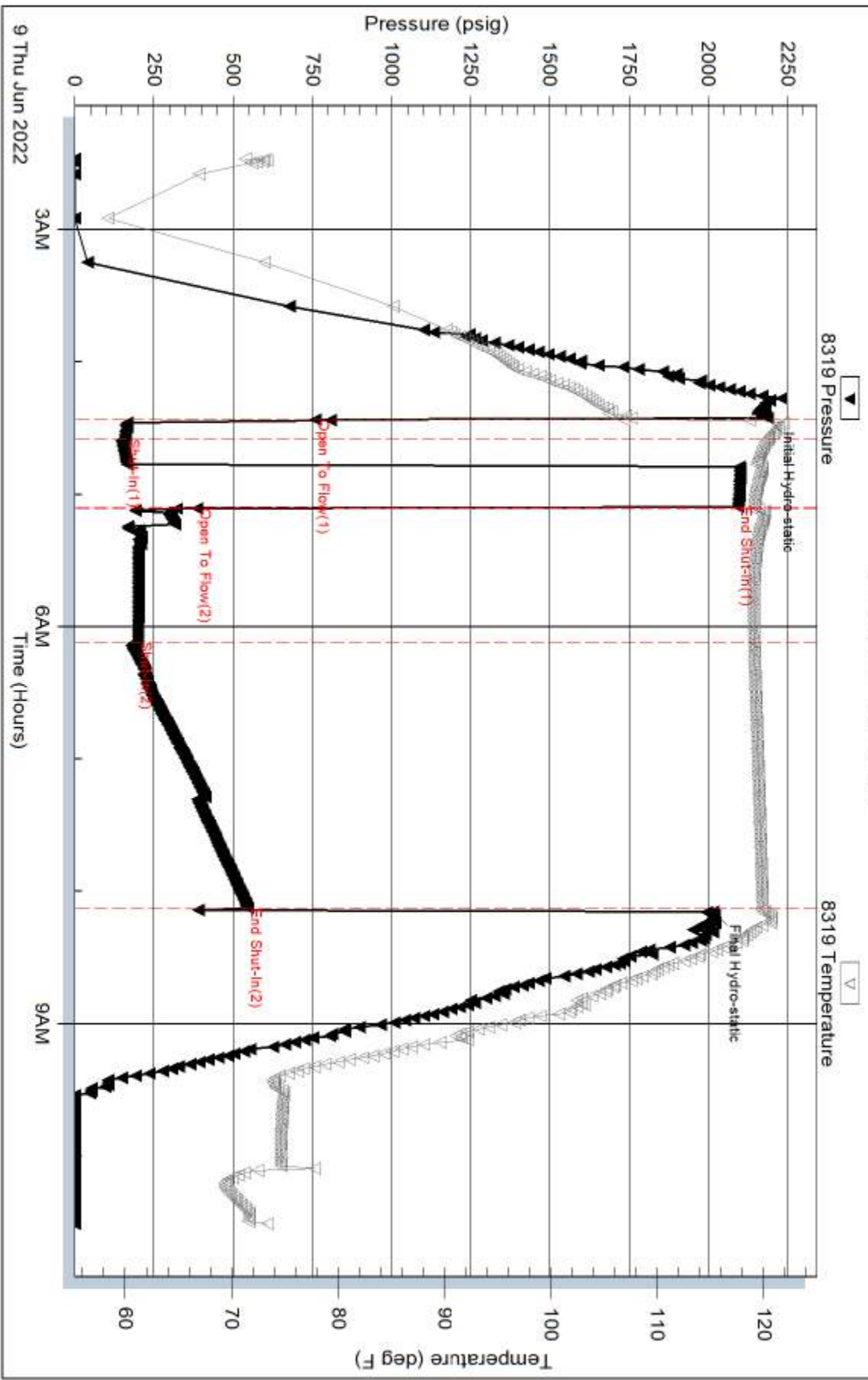
Total Length: 340.00 ft Total Volume: 3.694 bbl

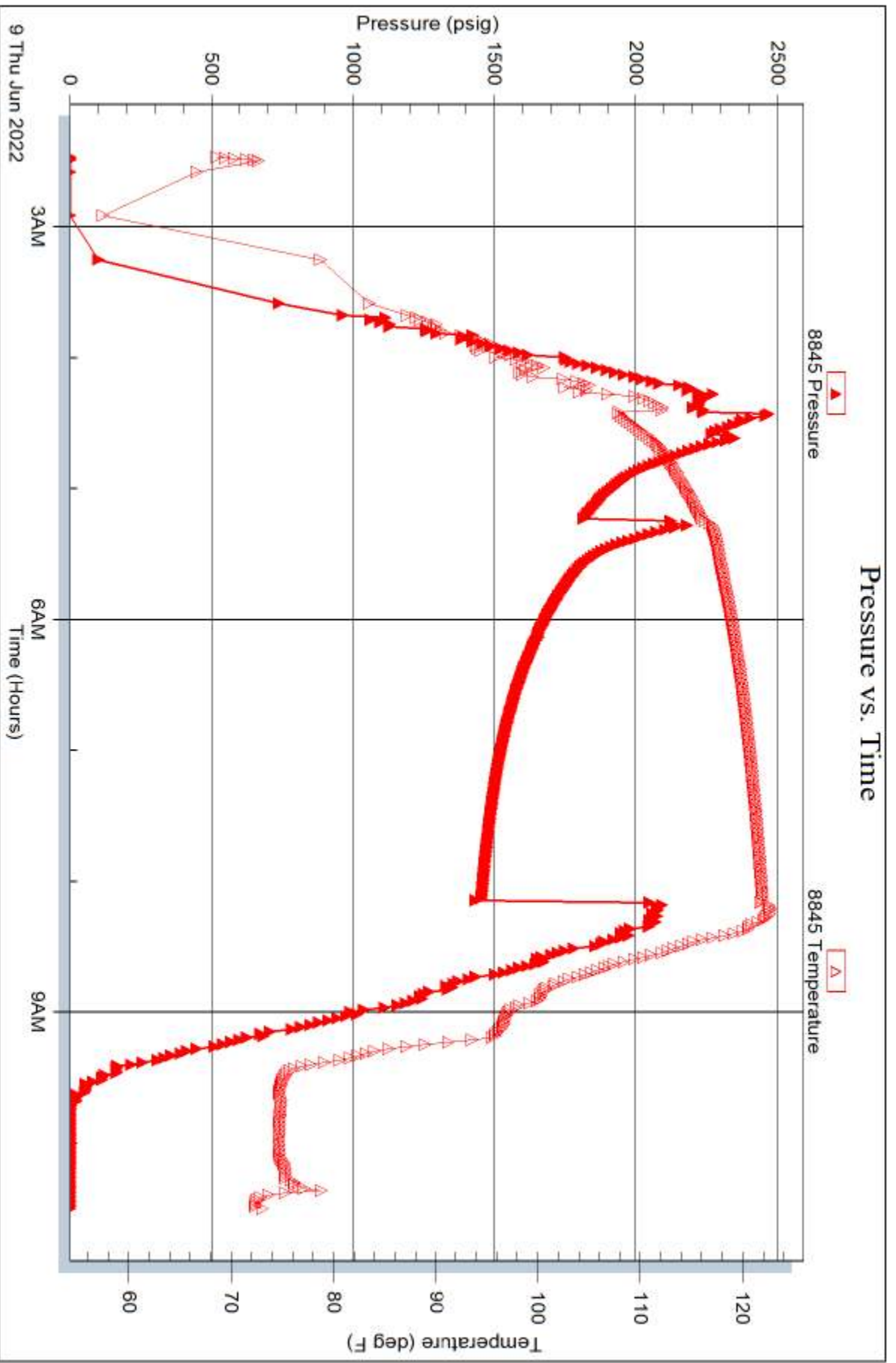
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

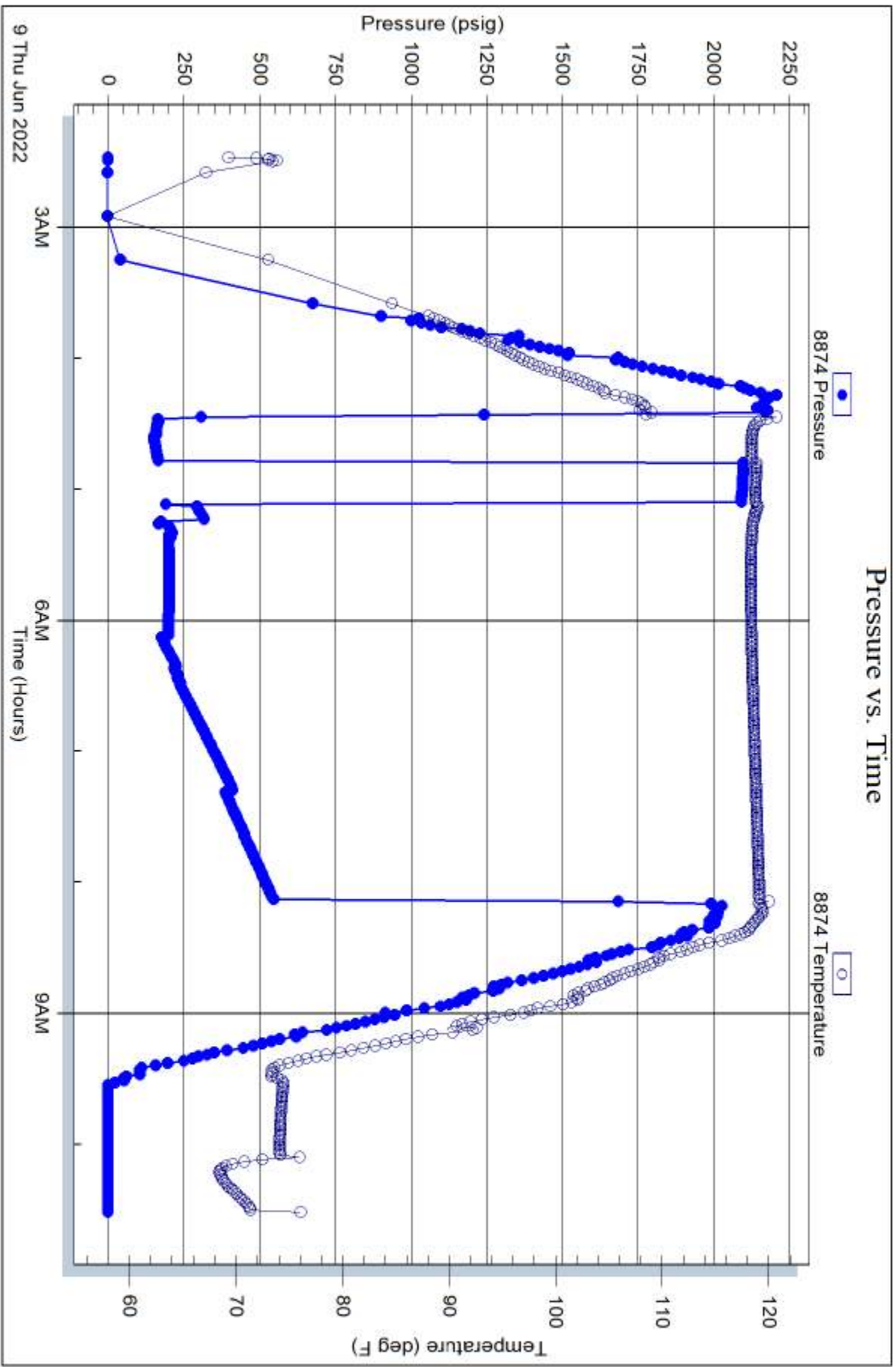
Laboratory Name: Laboratory Location:

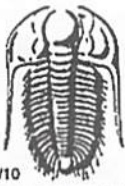
Recovery Comments:

Pressure vs. Time









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68105

Well Name & No. Flax #1-30 1-31 Test No. 1 Date 06/06/2022
 Company Mull Drilling Co, Inc Elevation 2384 KB 2377 GL
 Address 1700 N Waterfront Pkwy Bldg 1200 Wichita, KS 67206
 Co. Rep / Geo. Blake Miller Rig STP #1
 Location: Sec. 31 Twp 16s Rge. 22w Co. Ness State Ks

Interval Tested 4291 - 4347 Zone Tested Cherokee
 Anchor Length 56' Drill Pipe Run 4167 Mud Wt. 9.4
 Top Packer Depth 4286 Drill Collars Run 118 Vis 70
 Bottom Packer Depth 4291 Wt. Pipe Run 0 WL 5.8
 Total Depth 4347 Chlorides 2500 ppm System LCM 1#

Blow Description IF 3/4" blow.
ISI No return.
FF Surface blow - died
FST Pulled test

Rec	Feet of	%gas	%oil	%water	%mud
<u>IS</u>	<u>Mod</u>			<u>100</u>	
	<u>oil spots</u>				

Rec Total IS BHT 114 Gravity — API RW — @ — F Chlorides — ppm
 (A) Initial Hydrostatic 2192 Test 1950 T-On Location 0400
 (B) First Initial Flow 30 Jars 300 T-Started 0802
 (C) First Final Flow 35 Safety Joint _____ T-Open 1008
 (D) Initial Shut-In 82 Circ Sub _____ T-Pulled 1048
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 1324
 (F) Second Final Flow 38 Mileage 94rt 141 Comments _____
 (G) Final Shut-In Pulled test Sampler _____
 (H) Final Hydrostatic 2112 Straddle _____

EM Tool -350
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Extra Copies _____
 Day Standby _____
 Accessibility _____
 Sub Total 2391 MF/DST Disc't _____
 Sub Total 2391 MF/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the 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. 68106

Well Name & No. Flax #1-31 Test No. 2 Date 06/07/2022
 Company Mull Drilling Co, Inc Elevation 2384 KB 2377 GL
 Address 1700 N Waterfront Pkwy Bldg 1200 Wichita, KS 67206
 Co. Rep / Geo. Blake Miller Rig STP #1
 Location: Sec. 31 Twp 16s Rge. 22w Co. Ness State KS

Interval Tested 4349-4400 Zone Tested Cherokee
 Anchor Length 51' Drill Pipe Run 4232 Mud Wt. 9.5
 Top Packer Depth 4344 Drill Collars Run 118 Vis 70 P
 Bottom Packer Depth 4349 Wt. Pipe Run — WL 6.8
 Total Depth 4400 Chlorides 9500 ppm System LCM 1#

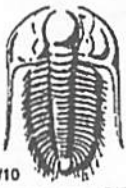
Blow Description IF 3/4" blow, receded to 1/2"
ISI No return.
FF No blow
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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 Total 5 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2257</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>2230</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>2325</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>0155</u>
(D) Initial Shut-In <u>82</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0338</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0809</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>141</u>	Comments
(G) Final Shut-In <u>107</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2119</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby	Sub Total <u>-350</u>
	<input type="checkbox"/> Accessibility	Total <u>2041</u>
	Sub Total <u>2391</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the 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. 68107

Well Name & No. Flax #1-31 Test No. 3 Date 06/08/2022
 Company Mull Drilling Co, Inc Elevation 2584 KB 2377 GL
 Address _____
 Co. Rep / Geo. Blake Miller Rig STP #1
 Location: Sec. 31 Twp 16 Rge. 22 Co. Ness State Ks

Interval Tested 4395 - 4440 Zone Tested Mississippian
 Anchor Length 45' Drill Pipe Run 4262 Mud Wt. 9.2
 Top Packer Depth 4390/4395 Drill Collars Run 118 Vis 60
~~Bottom Packer Depth~~ 4440 Wt. Pipe Run — WL 6.8
 Total Depth 4630 Chlorides 5500 ppm System LCM 5#
 Blow Description Miss-Run

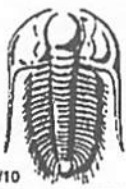
Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>Mud</u>			<u>100</u>	

Rec Total 180 BHT _____ Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 1500 T-On Location 2045
 (B) First Initial Flow MISS Jars 300 T-Started 2115
 (C) First Final Flow _____ Safety Joint _____ T-Open 2327
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 2345
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 0158
 (F) Second Final Flow _____ Mileage _____ Comments _____
 (G) Final Shut-In _____ Sampler _____ Stayed @ Rig
 (H) Final Hydrostatic _____ Straddle 600 EM Tool -350
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby 1d 12.5h Sub Total 416.67 - 350
 Accessibility _____ Total 2716.67
 Sub Total 2650 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the 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. **68108**

Well Name & No. Flax #1-31 Test No. 4 Date 06/09/2022
 Company Mull Drilling Co, Inc Elevation 2384 KB 2377 GL
 Address _____
 Co. Rep / Geo. Blake Muller Rig STP #1
 Location: Sec. 31 Twp 16S Rge. 22W Co. Ness State Ks

Interval Tested 4344-4451 Zone Tested M. Mississippian
 Anchor Length 107 Drill Pipe Run 4202 Mud Wt. 9.4
 Top Packer Depth 4339/4344 + 79 Drill Collars Run 118 Vis 60
~~Straddle~~ Bottom Packer Depth 4451 Wt. Pipe Run — WL 6.8
 Total Depth 4630 Chlorides 5500 ppm System LCM 5#
 Blow Description IF: BOB @ 30 sec built to 19" then stagnated
ISI: Surface return.
FF: 4.25" blow then 30 sec - Stagnated
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>340</u>	<u>mod</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 Total 340 BHT 120 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2187</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>0700</u>
(B) First Initial Flow <u>759</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>0228</u>
(C) First Final Flow <u>162</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>0420</u>
(D) Initial Shut-In <u>2094</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0800</u>
(E) Second Initial Flow <u>387</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1031</u>
(F) Second Final Flow <u>200</u>	<input checked="" type="checkbox"/> Mileage	Comments _____
(G) Final Shut-In <u>548</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2015</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
Initial Open <u>10</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby	Sub Total <u>-350</u>
	<input type="checkbox"/> Accessibility	Total <u>2750</u>
	Sub Total <u>3100</u>	MP/DST/Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the 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.

FRANKS Oilfield Service

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

BOOKET NUMBER 0605

LOCATION Victoria

FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
05-31-22	5144	Flora 1-31	31	16g	22 W	Ness

CUSTOMER Mull Drilling Company Inc.
 MAILING ADDRESS 1700 N Waterfront Pkwy Bldg 1200
 CITY Wichita STATE KS ZIP CODE 67206

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Tom W		
122	Jack T		

JOB TYPE Surf HOLE SIZE 12 1/4" HOLE DEPTH 265' CASING SIZE & WEIGHT 8 1/2" 23#
 CASING DEPTH 265' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 19.8 SLURRY VOL 1.7 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 15.5 Bl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & set up on STP #1 Circulate mud. Mix 165 gal surface blend & displaced with 19.5 Bl. Shut in before pressure. Back up more oil.

Cement did circulate
 Plug down 8:30 pm

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE <u>Surface</u>	\$1150 ⁰⁰	\$1150 ⁰⁰
M001	53	MILEAGE	\$6 ⁵⁰	\$344 ⁵⁰
M002	5.09 tons	Ton Mileage Delivery	\$643 ¹⁶	\$643 ¹⁶
CB004	165 gal	Class A 3200 270 gal	\$24 ⁵⁰	\$4042 ⁵⁰
			sub total	\$4180 ¹⁶
			less 10% disc.	\$418 ⁰²
			sub total	\$5562 ¹⁴
			SALES TAX	236.49
			ESTIMATED TOTAL	5798.63

AUTHORIZATION [Signature]

TITLE DR

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.

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



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

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

Laura Kelly, Governor

October 13, 2022

Mark Shreve
Mull Drilling Company, Inc.
1700 N WATERFRONT PKWY BLDG 1200
WICHITA, KS 67206-6637

Re: ACO-1
API 15-135-26168-00-00
FLAX 1-31
NW/4 Sec.31-16S-22W
Ness County, Kansas

Dear Mark Shreve:

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 5/31/2022 and the ACO-1 was received on October 12, 2022 (not within the 120 days timely requirement).

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

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

Sincerely,

Production Department

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 0613

LOCATION Hoxie

FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-9-22	5144	Flat 1-81	81	16	22	Ness
CUSTOMER <u>Mall Drilling Company Inc</u>			TRUCK #			
MAILING ADDRESS <u>1700 N Water Front Pkwy Bldg 1200</u>			DRIVER <u>Tom W</u>		TRUCK #	
CITY <u>Wichita</u>			DRIVER <u>Jack</u>		TRUCK #	
STATE <u>KS</u>			TRUCK #		DRIVER	
ZIP CODE <u>67206</u>			TRUCK #		DRIVER	

JOB TYPE PTA HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2" TUBING _____ OTHER _____
 SLURRY WEIGHT 12.5 SLURRY VOL 2.3 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & set up on STP #1 Plug as ordered

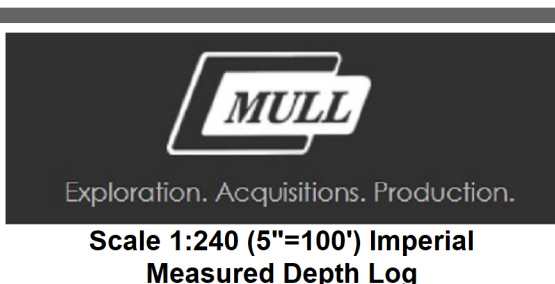
1	1740'	50 sf	
2	1020'	80 sf	
3	300'	50 sf	
	Center	20 sf	RH 30 sf
<u>230 total</u>			

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL005	1	PUMP CHARGE <u>PTA</u>	\$1500 ⁰⁰	\$1500 ⁰⁰
M001	81 miles	MILEAGE	\$6 ⁵⁰	\$524 ⁵⁰
M002	10.24 tons	Ton Mileage Delivery	\$1244 ¹⁴	\$1244 ¹⁴
CB010	230 sf	60/40 49 gal 1/4" F10401	\$16 ⁷⁵	\$3852 ⁵⁰
			sub total	\$7,123 ¹⁴
			less 10% disc.	\$712 ³²
			sub total	\$6,410 ⁸⁴
			SALES TAX	225.37
			ESTIMATED TOTAL	6636.21

AUTHORIZATION [Signature] TITLE _____ 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.



Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: FLAX #1-31
API: 15-135-26168-00-00
Location: NE SW SW NW / 16S-22W-sec.31
License Number: Spud Date:
Surface Coordinates: NE SW SW NW / 16S-22W-sec.31 2283' FNL & 355' FWL
Region: NESS Cty.
Drilling Completed:
Bottom Hole Coordinates:
Ground Elevation (ft): 2377 K.B. Elevation (ft): 2384
Logged Interval (ft): 3700 To: 4500 Total Depth (ft): 4500
Formation: CK>MS>MA>LA
Type of Drilling Fluid: CHEMICAL MUD DISPLACED ~ 3500'

OPERATOR

Company: MULL DRILLING COMPANY
Address: MULL DRILLING COMPANY

GEOLOGIST

Name: Blake Miller
Company: Blake S. Miller - Wellsite & Consulting Geologist
Address: 235 N. Zelta Wichita, KS 67206

COMMENTS

Surface Casing: 8 5/8" @ 230'+
Production Casing: *5 1/2" @ 4500'

Deviation Surveys:
Pipe Strap @
Contractor Bit Record:

Gas Detector: NONE
Mud System: CHEMICAL MUD DISPLACED @~3500', by MUD-CO.
DSTs: TRILOBITE TESTING

DSTs

TRILOBITE TESTING, WALT:

1.) FT SCOTT-UPR CK SAND (4291-4347) 10-30-60-PULLED, (1) WB < 3/4", (2) SURF BLO > NB, PULLED TEST. 15' M w/ O SPTS, [82-NA] FP: 30-35/36-38
2.) CHEROKEE (4349-4400) 10-30-60-120, (1) WB < 3/4" > 1/2", (2) NB, 5' M, [_ _] FP:

CREWS

DAYLIGHTS: TODD
EVENING: KENDAL
MORNING: JOHN
ALTERNATE: BRANDON

ROCK TYPES legend table with color-coded boxes for Anhy, Bent, Brec, Cht, Cyst, Congl, Sdy dolo, Shy dolo, Dol, Gyp, Sdy lmst, Lmst, Mrlst, Salt, Shale, Sitst, Ss, Black sh, Gry sh, Shysst, Shyslt, Ss 2, Shale 3, Shly dol, Dol lmst, Dol 2, Granite wash, Lmst, Calc dol, Shale 3

ACCESSORIES legend table with symbols for Chlorite, Dol, Sand, Silt, Fossil, Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish, Foram, Fossil, Gastro, Oolite, Ostra, Pellet, Pisolite, Plant, Strom, Foss, Oomoldic, STRINGER (Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst, Sitstrg, Ssstrg, Carbsh, Cylstn, Dol), TEXTURE (Boundst, Chalky, Craylin, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest), Grysh, Grysl, Lms, Sandylms, Sh, Sitstn

