

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	TC 1-6
Doc ID	1663216

All Electric Logs Run

DIL
DUCP
MEL
BHCS



DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita, KS 67202

ATTN: Marc Summerville

TC #1-6

6-3s-41w Cheyenne,KS

Start Date: 2022.08.31 @ 17:01:00

End Date: 2022.09.01 @ 04:45:05

Job Ticket #: 68987 DST #: 1

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

Printed: 2022.09.08 @ 11:12:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne, KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68987

DST#: 1

ATTN: Marc Summervill

Test Start: 2022.08.31 @ 17:01:00

GENERAL INFORMATION:

Formation: **LKC "A - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:39:21

Time Test Ended: 04:45:05

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 73

Interval: 4463.00 ft (KB) To 4590.00 ft (KB) (TVD)

Reference Elevations: 3667.00 ft (KB)

Total Depth: 4590.00 ft (KB) (TVD)

3662.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 764.58 psig @ 4464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.08.31

End Date:

2022.09.01

Last Calib.:

2022.09.01

Start Time: 17:01:01

End Time:

04:45:05

Time On Btm:

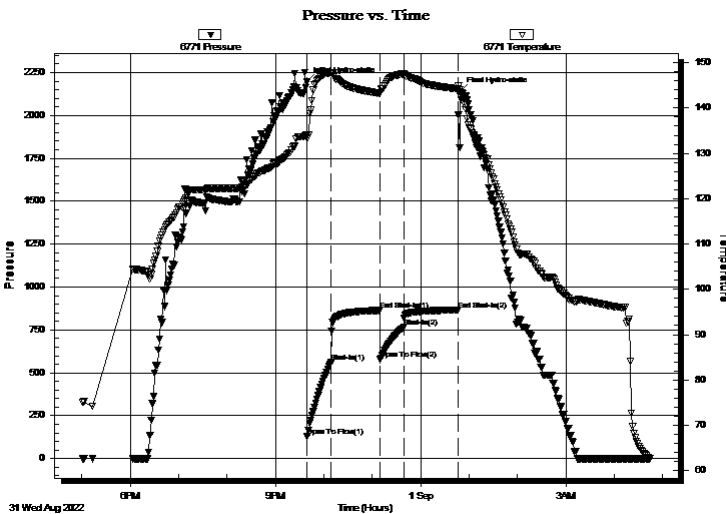
2022.08.31 @ 21:39:06

Time Off Btm:

2022.09.01 @ 00:49:06

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 2 1/2 min., built to 53"
60 - IS: No blow back
30 - FF: Blow built to BOB at 5 1/2 min., built to 29"
60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.56	133.95	Initial Hydro-static
1	131.87	133.31	Open To Flow (1)
30	561.57	147.76	Shut-In(1)
91	864.06	143.21	End Shut-In(1)
91	577.30	143.31	Open To Flow (2)
120	764.58	147.47	Shut-In(2)
187	866.05	144.18	End Shut-In(2)
190	2140.83	142.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
878.00	GOMCW 70%w , 15%m, 10%g, 5%o	11.24
510.00	GOCMW 39%w , 31%m, 23%g, 7%o	7.15
245.00	GOWCM 55%m, 28%w , 10%g, 7%o	3.44

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68987

DST#: 1

ATTN: Marc Summervill

Test Start: 2022.08.31 @ 17:01:00

GENERAL INFORMATION:

Formation: **LKC "A - D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:39:21
 Time Test Ended: 04:45:05
Interval: 4463.00 ft (KB) To 4590.00 ft (KB) (TVD)
 Total Depth: 4590.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3667.00 ft (KB)
 3662.00 ft (CF)
 KB to GR/CF: 5.00 ft

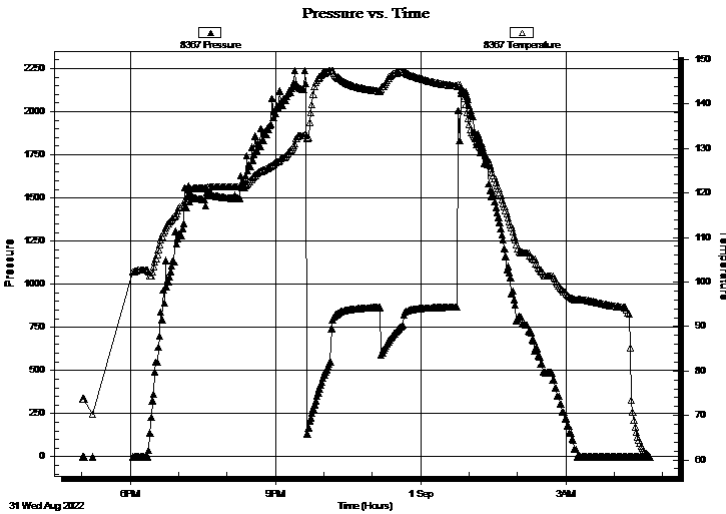
Serial #: 8367

Outside

Press@RunDepth: psig @ 4464.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.08.31 End Date: 2022.09.01 Last Calib.: 2022.09.01
 Start Time: 17:01:01 End Time: 04:44:35 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 2 1/2 min., built to 53"
 60 - IS: No blow back
 30 - FF: Blow built to BOB at 5 1/2 min., built to 29"
 60 - FS: No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
878.00	GOMCW 70%w , 15%m, 10%g, 5%o	11.24
510.00	GOCMW 39%w , 31%m, 23%g, 7%o	7.15
245.00	GOWCM 55%m, 28%w , 10%g, 7%o	3.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68987

DST#: 1

ATTN: Marc Summervill

Test Start: 2022.08.31 @ 17:01:00

Tool Information

Drill Pipe:	Length: 4321.00 ft	Diameter: 3.80 inches	Volume: 60.61 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 90000.00 lb
			<u>Total Volume: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4463.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	127.00 ft			
Tool Length:	160.00 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			4431.00	
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
EM Tool	4.00			4450.00	
Safety Joint	3.00			4453.00	
Packer	5.00			4458.00	33.00 Bottom Of Top Packer
Packer	5.00			4463.00	
Stubb	1.00			4464.00	
Recorder	0.00	6771	Inside	4464.00	
Recorder	0.00	8367	Outside	4464.00	
Perforations	25.00			4489.00	
Blank Spacing	97.00			4586.00	
Perforations	1.00			4587.00	
Bullnose	3.00			4590.00	127.00 Bottom Packers & Anchor

Total Tool Length: 160.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68987

DST#: 1

ATTN: Marc Summervill

Test Start: 2022.08.31 @ 17:01:00

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:

17500 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
878.00	GOMCW 70%w , 15%m, 10%g, 5%o	11.241
510.00	GOCMW 39%w , 31%m, 23%g, 7%o	7.154
245.00	GOWCM 55%m, 28%w , 10%g, 7%o	3.437

Total Length: 1633.00 ft Total Volume: 21.832 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

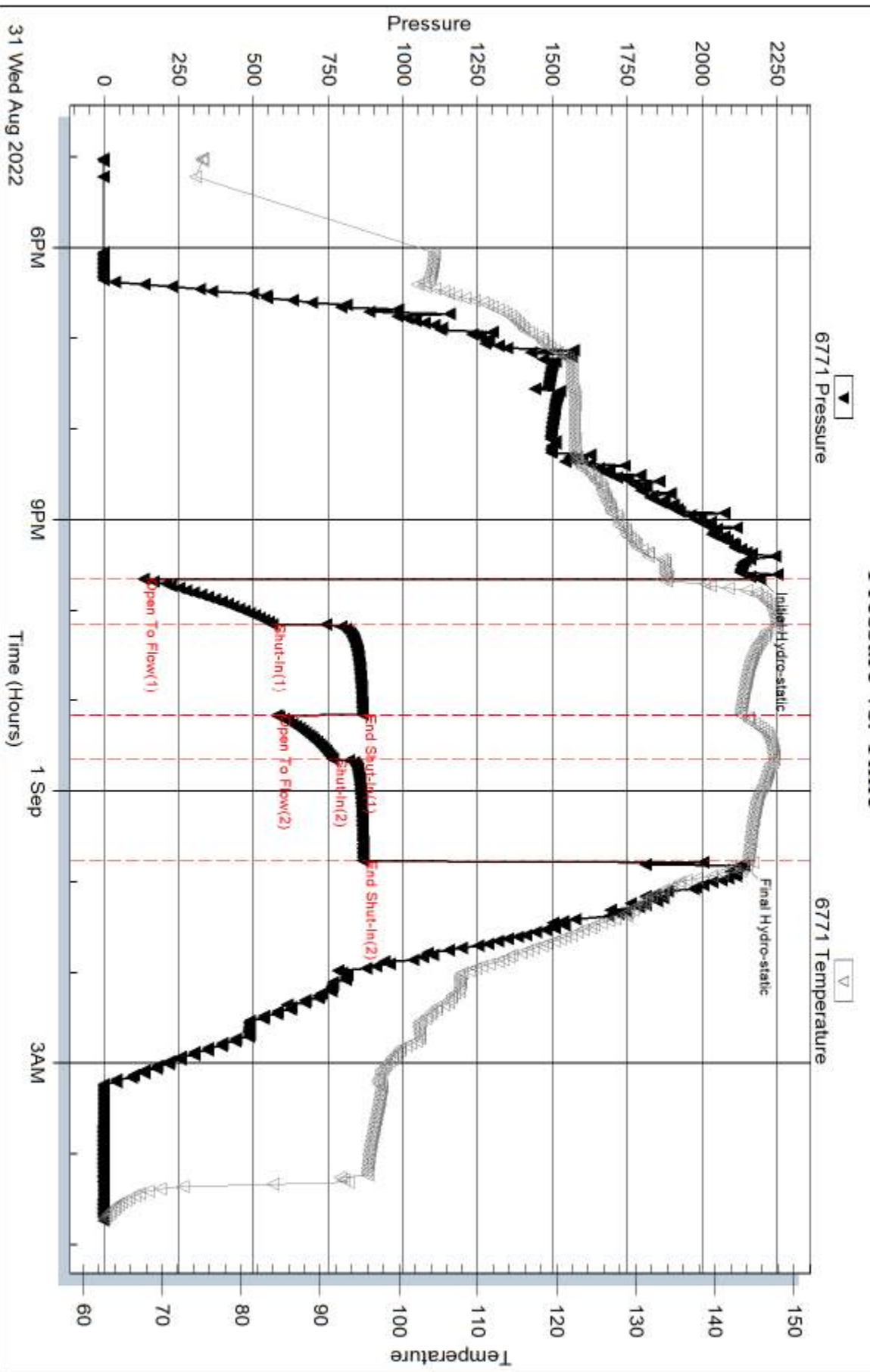
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .455 ohms @ 59.9 deg F Chlorides = 17,500 ppm

Pressure vs. Time

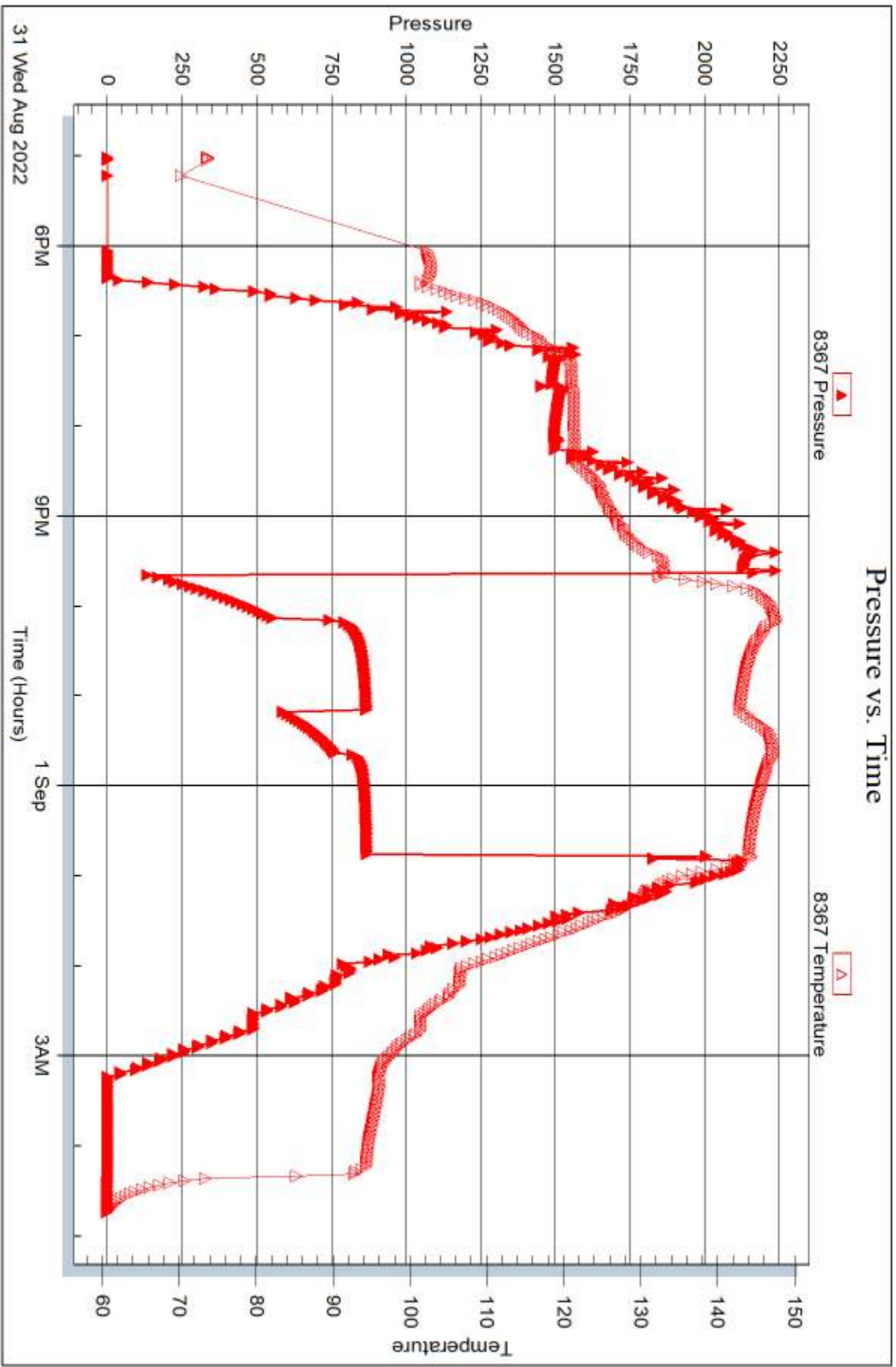


Serial #: 8367

Outside Marfin Drilling Co., Inc.

TC#1-6

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68987

Printed: 2022.09.06 @ 11:12:29



DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita, KS 672020

ATTN: Marc Summerville

TC #1-6

6-3s-41w Cheyenne,KS

Start Date: 2022.09.02 @ 01:54:00

End Date: 2022.09.02 @ 12:42:20

Job Ticket #: 68988 DST #: 2

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

Printed: 2022.09.08 @ 11:11:28

Murfin Drilling Co., Inc. 6-3s-41w Cheyenne,KS TC #1-6 DST # 2 LKC "J" 2022.09.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne, KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68988

DST#: 2

ATTN: Marc Summervill

Test Start: 2022.09.02 @ 01:54:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:13:36

Time Test Ended: 12:42:20

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4690.00 ft (KB) To 4736.00 ft (KB) (TVD)

Reference Elevations: 3667.00 ft (KB)

Total Depth: 4736.00 ft (KB) (TVD)

3662.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 21.95 psig @ 4691.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.02

End Date:

2022.09.02

Last Calib.:

2022.09.02

Start Time: 01:54:01

End Time:

12:42:20

Time On Btm:

2022.09.02 @ 06:13:21

Time Off Btm:

2022.09.02 @ 09:24:21

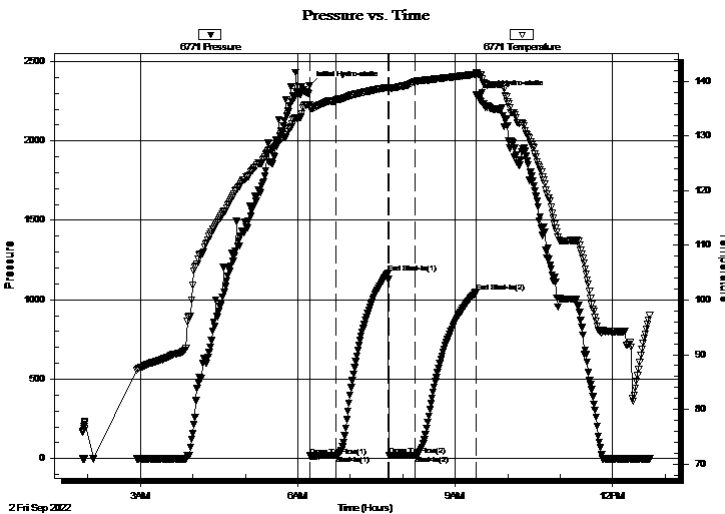
TEST COMMENT: 30 - IF: Surface blow , built to 1/8"

60 - IS: No blow

30 - FF: No blow

60 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.33	135.75	Initial Hydro-static
1	16.98	135.15	Open To Flow (1)
31	18.79	136.60	Shut-In(1)
90	1168.16	138.91	End Shut-In(1)
91	20.00	138.73	Open To Flow (2)
121	21.95	140.00	Shut-In(2)
191	1045.89	141.30	End Shut-In(2)
191	2292.20	141.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w /trace oil 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68988

DST#: 2

ATTN: Marc Summervill

Test Start: 2022.09.02 @ 01:54:00

GENERAL INFORMATION:

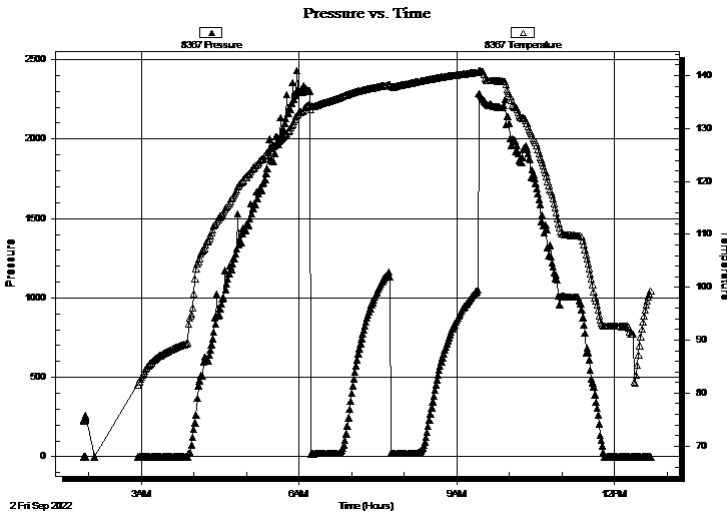
Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:13:36
 Time Test Ended: 12:42:20
Interval: 4690.00 ft (KB) To 4736.00 ft (KB) (TVD)
 Total Depth: 4736.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3667.00 ft (KB)
 3662.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4691.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.09.02 End Date: 2022.09.02 Last Calib.: 2022.09.02
 Start Time: 01:54:01 End Time: 12:42:05 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF: Surface blow , built to 1/8"
 60 - IS: No blow
 30 - FF: No blow
 60 - FS: No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w /trace oil 100%m	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

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68988

DST#: 2

ATTN: Marc Summervill

Test Start: 2022.09.02 @ 01:54:00

Tool Information

Drill Pipe:	Length: 4573.00 ft	Diameter: 3.80 inches	Volume: 64.15 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 64.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4690.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	79.00 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			4658.00	
Shut In Tool	5.00			4663.00	
Hydraulic tool	5.00			4668.00	
Jars	5.00			4673.00	
EM Tool	4.00			4677.00	
Safety Joint	3.00			4680.00	
Packer	5.00			4685.00	33.00 Bottom Of Top Packer
Packer	5.00			4690.00	
Stubb	1.00			4691.00	
Recorder	0.00	6771	Inside	4691.00	
Recorder	0.00	8367	Outside	4691.00	
Perforations	8.00			4699.00	
Blank Spacing	33.00			4732.00	
Perforations	1.00			4733.00	
Bullnose	3.00			4736.00	46.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68988

DST#: 2

ATTN: Marc Summervill

Test Start: 2022.09.02 @ 01:54:00

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: 79.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w /trace oil 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

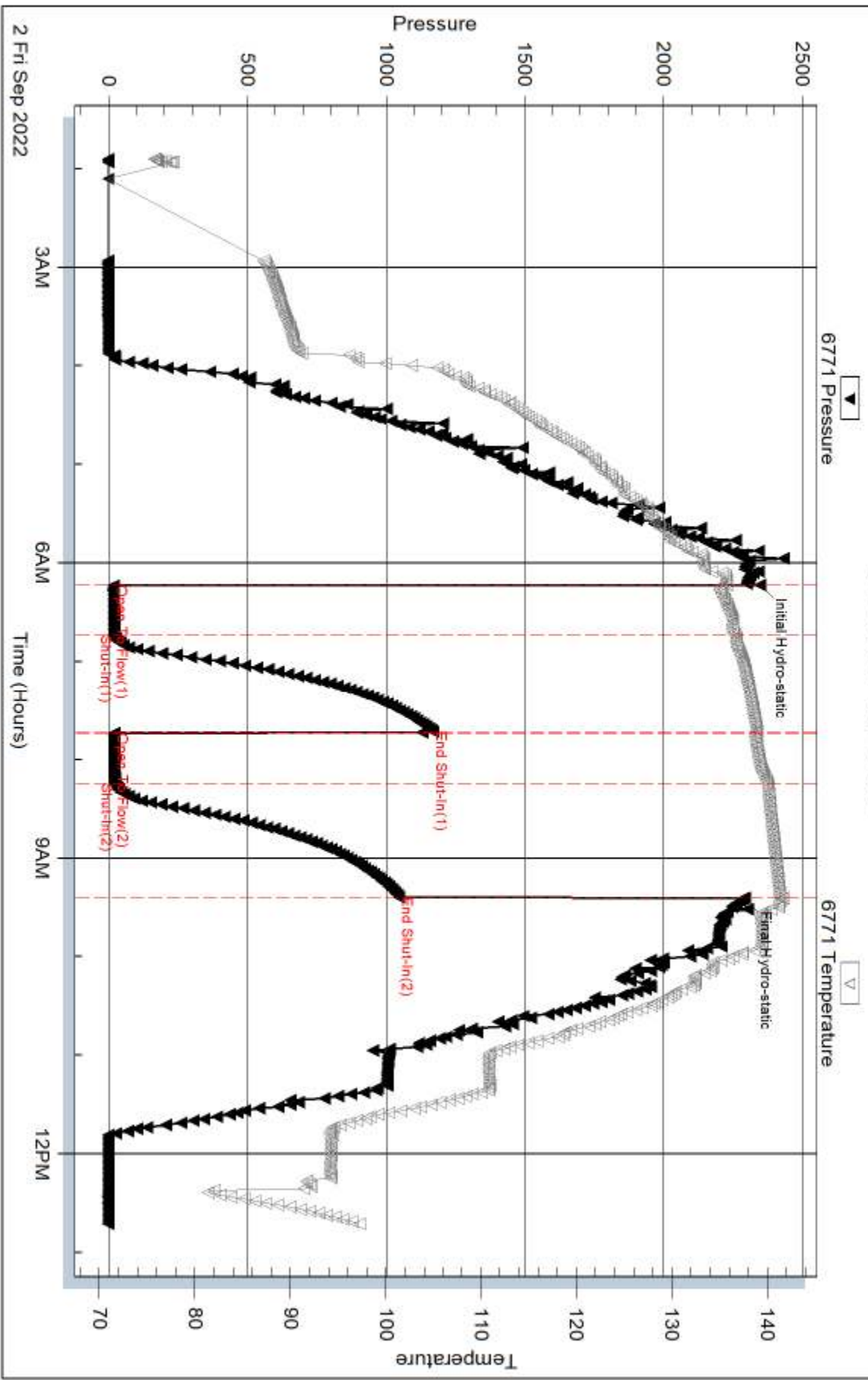
Serial #:

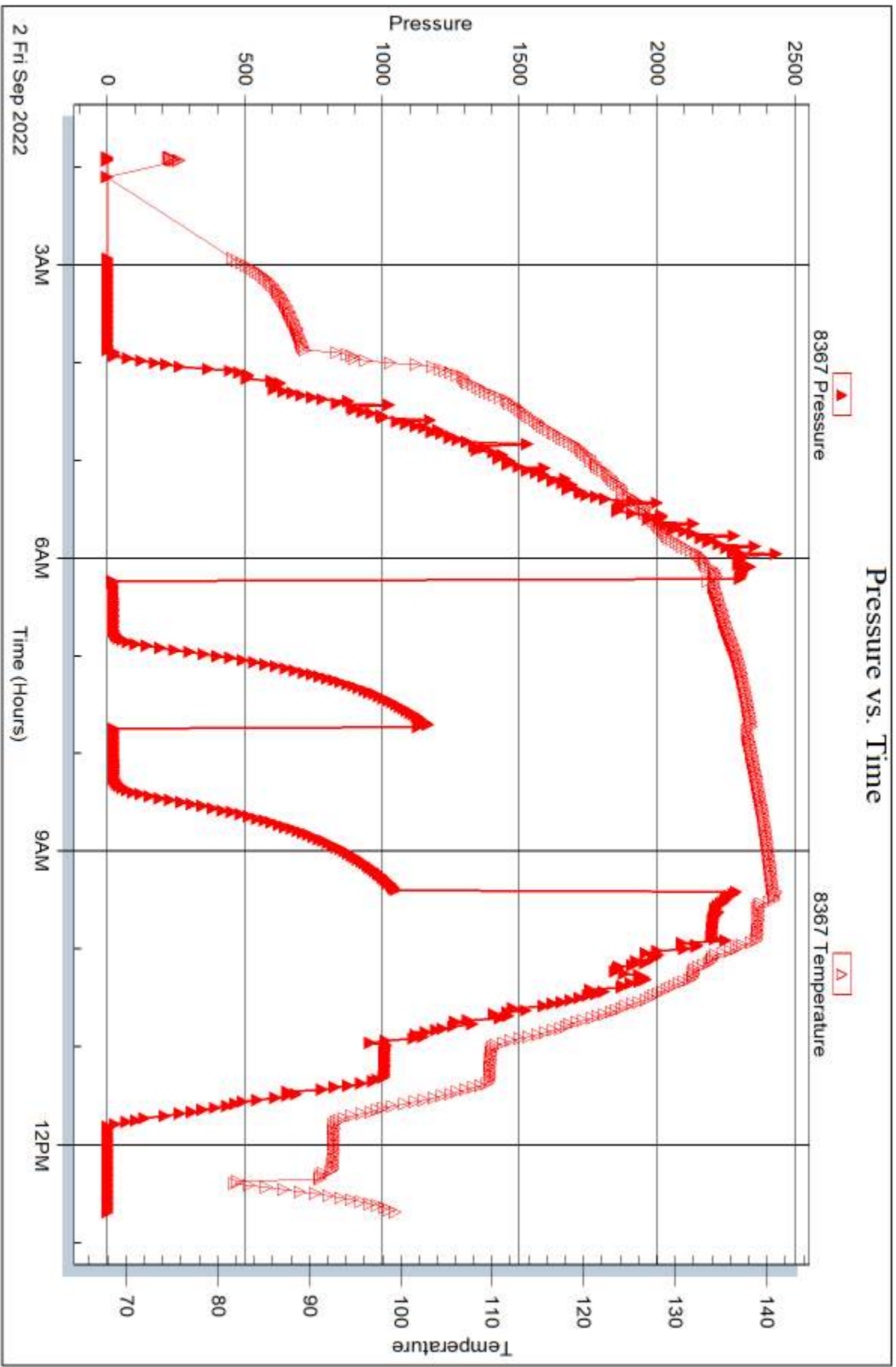
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita, KS 672020

ATTN: Marc Summervill

TC #1-6

6-3s-41w Cheyenne,KS

Start Date: 2022.09.05 @ 17:22:00

End Date: 2022.09.06 @ 03:12:00

Job Ticket #: 68961 DST #: 3

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

Printed: 2022.09.08 @ 11:10:34



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68961

DST#: 3

ATTN: Marc Summervill

Test Start: 2022.09.05 @ 17:22:00

GENERAL INFORMATION:

Formation: **Celia**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:34:30
 Time Test Ended: 03:12:00
 Interval: **5008.00 ft (KB) To 5036.00 ft (KB) (TVD)**
 Total Depth: 5348.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Nathan Aneas
 Unit No: 71
 Reference Elevations: 3667.00 ft (KB)
 3662.00 ft (CF)
 KB to GR/CF: 5.00 ft

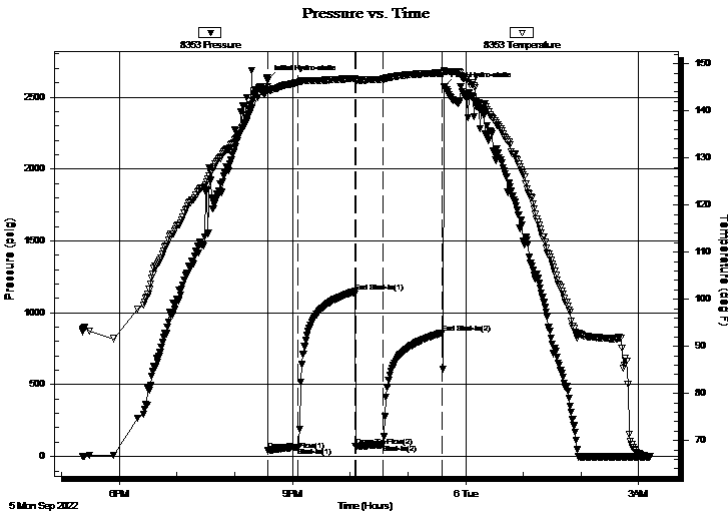
Serial #: 8353

Inside

Press@RunDepth: 82.93 psig @ 5009.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.09.05 End Date: 2022.09.06 Last Calib.: 2022.09.06
 Start Time: 17:22:01 End Time: 03:12:00 Time On Btm: 2022.09.05 @ 20:34:00
 Time Off Btm: 2022.09.05 @ 23:37:30

TEST COMMENT: 30:IF- Weak surface blow , built to 1 1/4 inch in 10 min, final is 1 3/4 inch
 60:IS- No blow back
 30:FF- Weak surface blow in 10 min, Final stayed at weak surface
 60:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2619.15	145.07	Initial Hydro-static
1	40.76	144.44	Open To Flow (1)
32	66.55	146.04	Shut-In(1)
91	1147.01	146.87	End Shut-In(1)
92	69.68	146.51	Open To Flow (2)
120	82.93	146.74	Shut-In(2)
182	860.65	148.02	End Shut-In(2)
184	2572.66	148.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	Mud 100%M	0.58

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68961

DST#: 3

ATTN: Marc Summervill

Test Start: 2022.09.05 @ 17:22:00

GENERAL INFORMATION:

Formation: **Celia**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:34:30

Time Test Ended: 03:12:00

Test Type: Conventional Straddle (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: **5008.00 ft (KB) To 5036.00 ft (KB) (TVD)**

Total Depth: 5348.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3667.00 ft (KB)

3662.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8676 Outside

Press@RunDepth: psig @ 5009.00 ft (KB)

Start Date: 2022.09.05

Start Time: 17:22:01

End Date: 2022.09.06

End Time: 03:12:00

2022.09.06

03:12:00

Capacity: 8000.00 psig

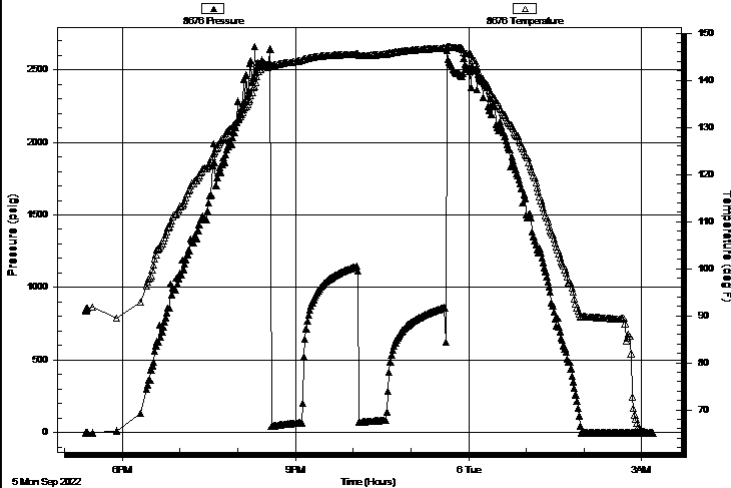
Last Calib.: 2022.09.06

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 1 1/4 inch in 10 min, final is 1 3/4 inch
60:IS- No blow back
30:FF- Weak surface blow in 10 min, Final stayed at weak surface
60:FS- No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
118.00	Mud 100%M	0.58

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68961

DST#: 3

ATTN: Marc Summervill

Test Start: 2022.09.05 @ 17:22:00

GENERAL INFORMATION:

Formation: **Celia**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:34:30

Time Test Ended: 03:12:00

Test Type: Conventional Straddle (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 5008.00 ft (KB) To 5036.00 ft (KB) (TVD)

Reference Elevations: 3667.00 ft (KB)

Total Depth: 5348.00 ft (KB) (TVD)

3662.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8646 Below (Straddle)

Press@RunDepth: psig @ 5041.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.05 End Date: 2022.09.06

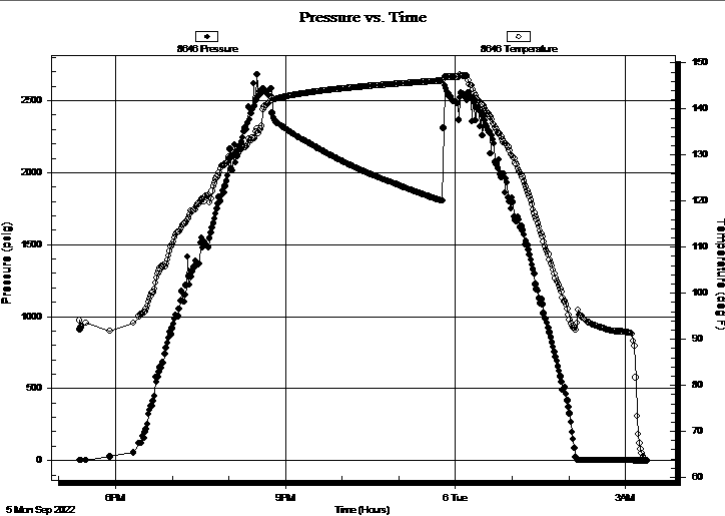
Last Calib.: 2022.09.06

Start Time: 17:22:01 End Time: 03:23:15

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 1 1/4 inch in 10 min, final is 1 3/4 inch
60:IS- No blow back
30:FF- Weak surface blow in 10 min, Final stayed at weak surface
60:FS- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
118.00	Mud 100%M	0.58

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68961

DST#: 3

ATTN: Marc Summervill

Test Start: 2022.09.05 @ 17:22:00

Tool Information

Drill Pipe:	Length: 4768.00 ft	Diameter: 3.80 inches	Volume: 66.88 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	88000.00 lb
Depth to Top Packer:	5008.00 ft			Final	88000.00 lb
Depth to Bottom Packer:	5036.00 ft				
Interval between Packers:	28.00 ft				
Tool Length:	372.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4981.00	
Hydraulic tool	5.00			4986.00	
Jars	5.00			4991.00	
EM Tool	4.00			4995.00	
Safety Joint	3.00			4998.00	
Packer	5.00			5003.00	32.00 Bottom Of Top Packer
Packer	5.00			5008.00	
Stubb	1.00			5009.00	
Recorder	0.00	8353	Inside	5009.00	
Recorder	0.00	8676	Outside	5009.00	
Perforations	26.00			5035.00	
Blank Off Sub	1.00			5036.00	28.00 Tool Interval
Packer	5.00			5041.00	
Recorder	0.00	8646	Below	5041.00	
Perforations	19.00			5060.00	
Change Over Sub	1.00			5061.00	
Blank Spacing	283.00			5344.00	
Change Over Sub	1.00			5345.00	
Bullnose	3.00			5348.00	312.00 Bottom Packers & Anchor

Total Tool Length: 372.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

6-3s-41w Cheyenne,KS

250 N. Water STE 300
Wichita, KS 672020

TC #1-6

Job Ticket: 68961

DST#: 3

ATTN: Marc Summervill

Test Start: 2022.09.05 @ 17:22:00

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:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	Mud 100%M	0.580

Total Length: 118.00 ft Total Volume: 0.580 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

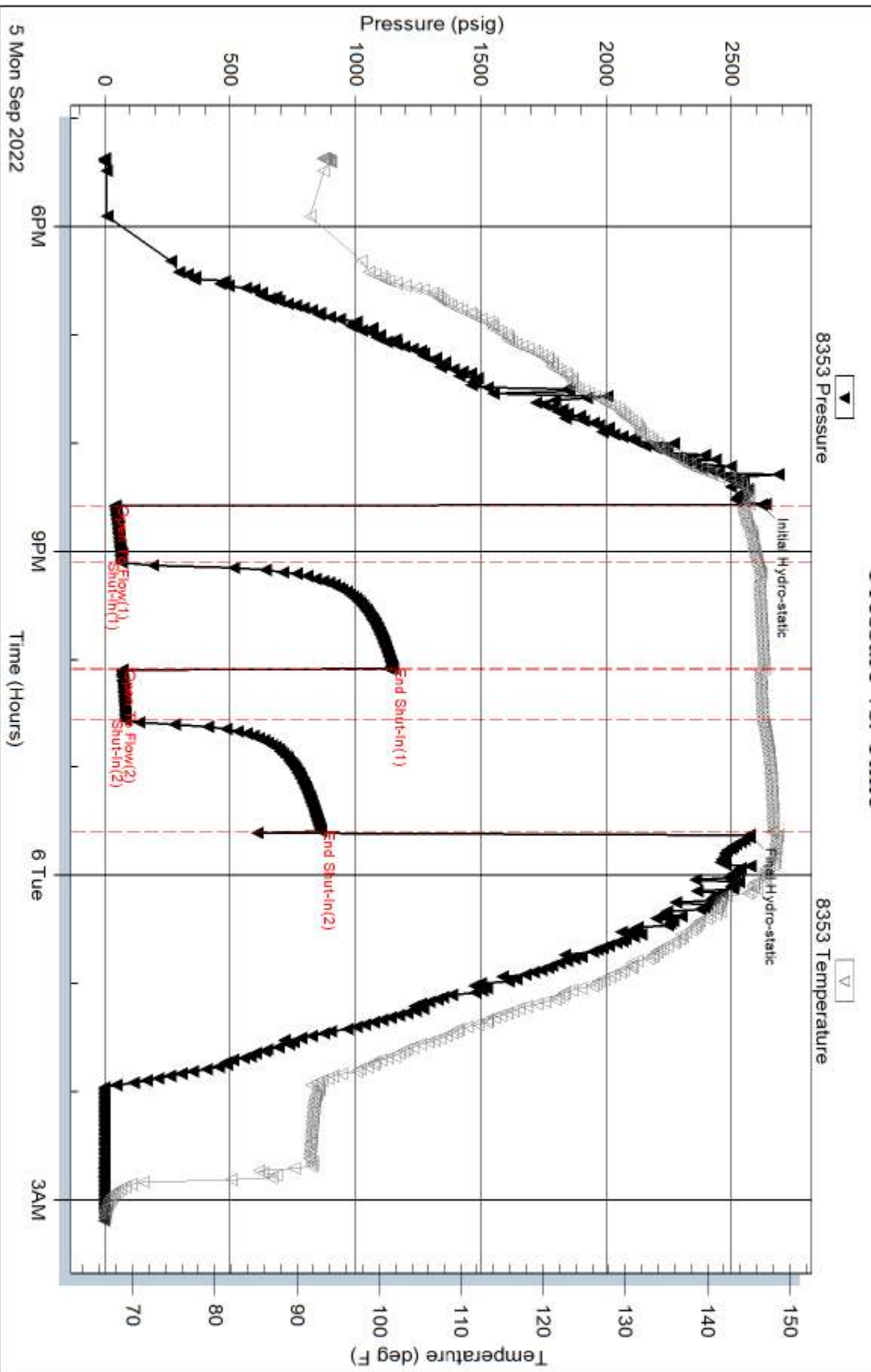
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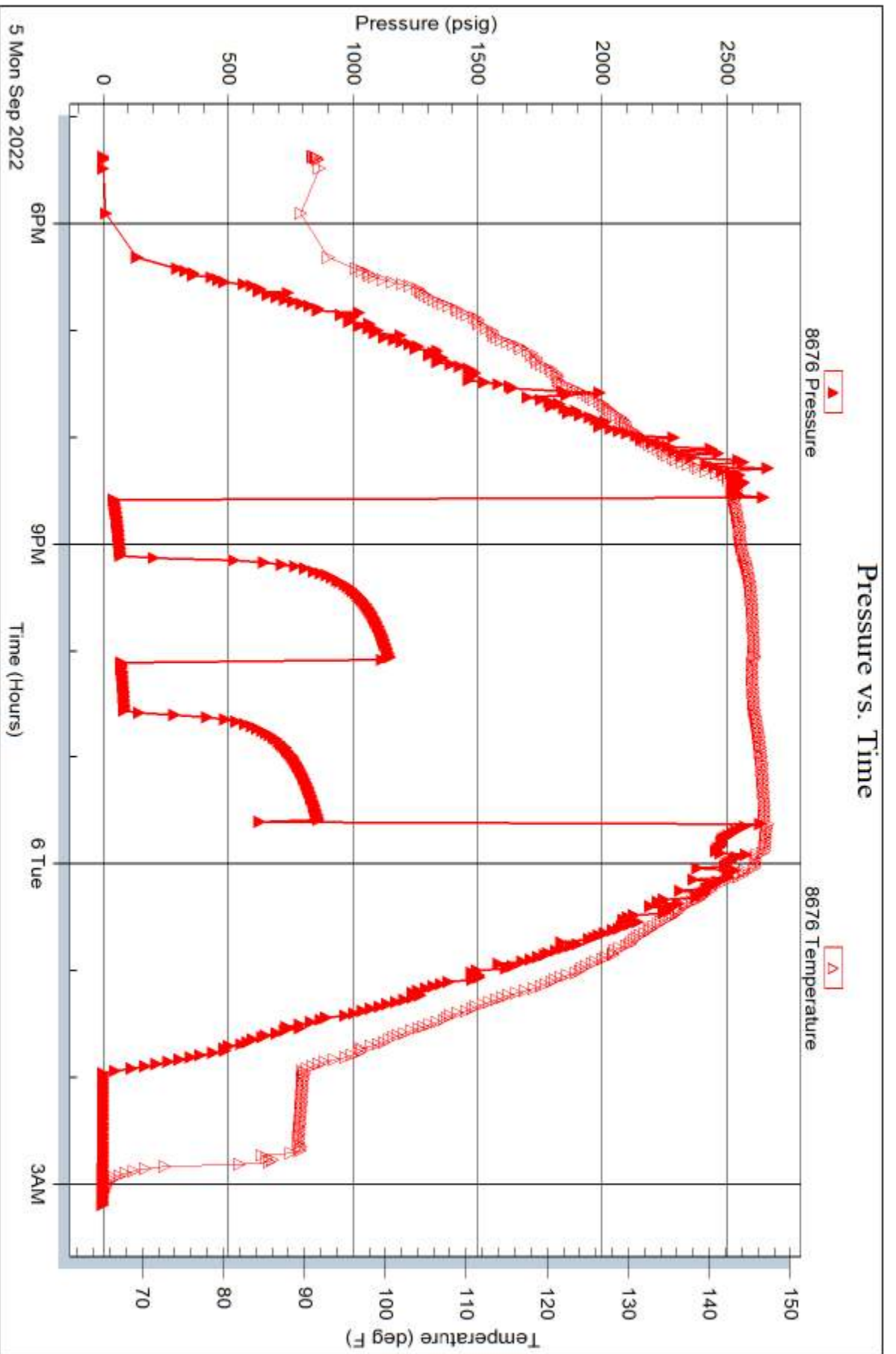
Laboratory Name:

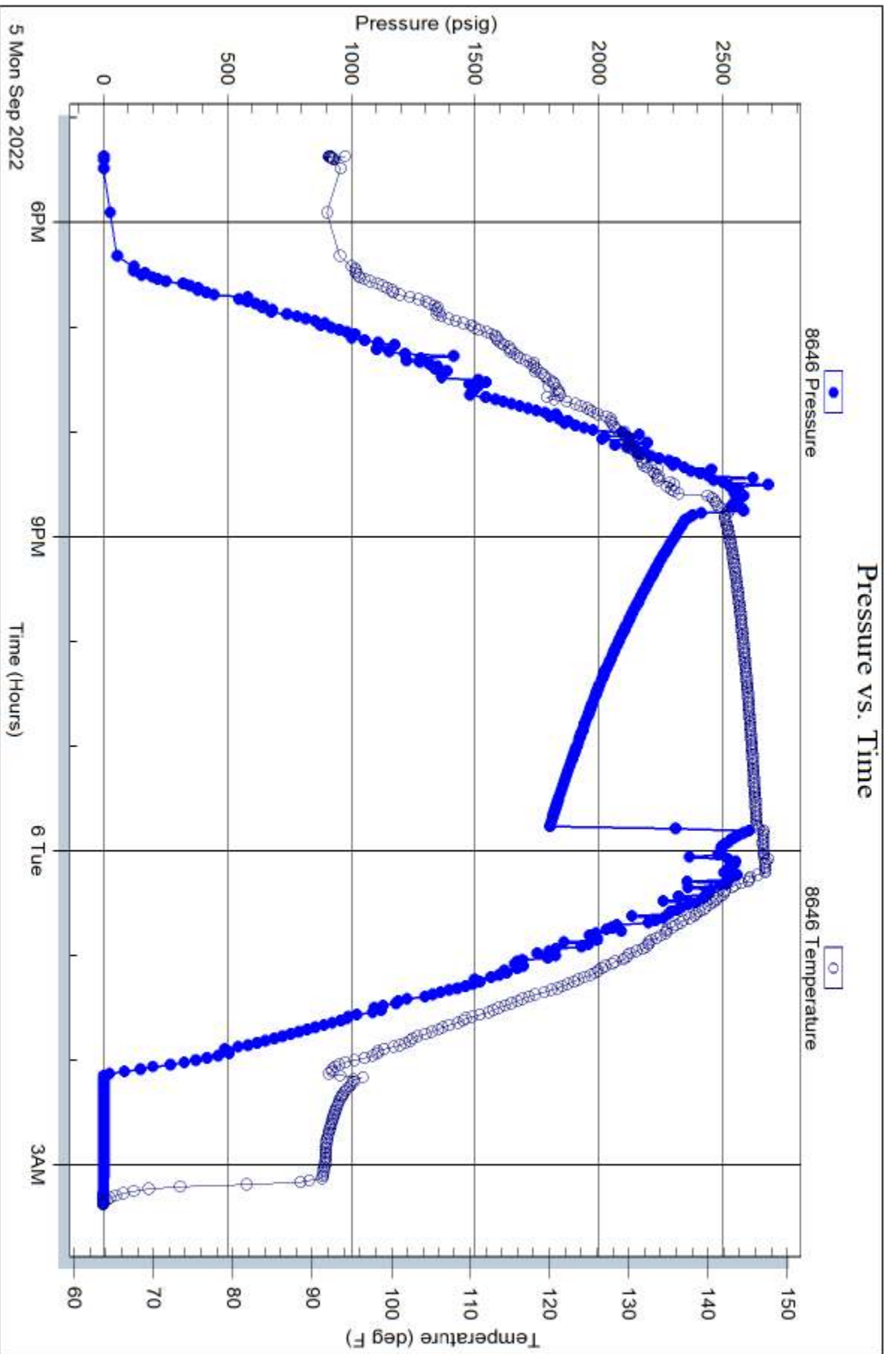
Laboratory Location:

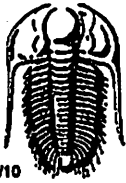
Recovery Comments:

Pressure vs. Time









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68987

Well Name & No. TC #1-6 Test No. 1 Date 8-31-22
 Company Murfin Drilling Co. Inc Elevation 3667 KB 3662 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Marc Summerville Rig Murfin #108
 Location: Sec. 6 Twp 3S Rge. 41W Co. Cheyenne State KS

Interval Tested 4463 - 4590 Zone Tested Lans "A-D"
 Anchor Length 127 Drill Pipe Run 4321 Mud Wt. 9.1
 Top Packer Depth 4158 Drill Collars Run 118 Vis 51
 Bottom Packer Depth 4463 Wt. Pipe Run - WL 6.8
 Total Depth 4590 Chlorides 600 ppm System LCM 2

Blow Description IF: Blow built to BOB (11") at 2 1/2 min, built to 53"
ISI: No blowback
FF: Blow built to BOB at 5 1/2 min, built to 29"
FBI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>245</u>	<u>60wcm</u>	<u>10</u>	<u>7</u>	<u>28</u>	<u>55</u>
<u>510</u>	<u>60cmw</u>	<u>23</u>	<u>7</u>	<u>39</u>	<u>31</u>
<u>878</u>	<u>60mcw</u>	<u>10</u>	<u>5</u>	<u>70</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1633 BHT 144 Gravity API RW 455 @ 59.9 °F Chlorides 17,500 ppm
 (A) Initial Hydrostatic 2195 Test 1950
 (B) First Initial Flow 132 Jars 300
 (C) First Final Flow 562 Safety Joint
 (D) Initial Shut-In 864 Circ Sub
 (E) Second Initial Flow 577 Hourly Standby 1.75h 175
 (F) Second Final Flow 765 Mileage 166 RT 249
 (G) Final Shut-In 866 Sampler
 (H) Final Hydrostatic 2141 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

T-On Location 14:30 8/31
 T-Started 17:01
 T-Open 21:39
 T-Pulled 00:46
 T-Out 4:45 9/1
 Comments Told OB 16:00

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Sub Total 2674 MP/DST Disc't _____

Approved By Marc Summerville Our Representative James Winder

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68988

Well Name & No. TC #1-6 Test No. 2 Date 9-2-22
 Company Murfin Drilling Co, Inc Elevation 3667 KB 3662 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Marc Summerville Rig Murfin #108
 Location: Sec. 6 Twp 3s Rge. 4lw Co. Cheyenne State KS

Interval Tested 4690 - 4736 Zone Tested LKC "J"
 Anchor Length 46 Drill Pipe Run 4573 Mud Wt. 9.2
 Top Packer Depth 4685 Drill Collars Run 118 Vis 79
 Bottom Packer Depth 4690 Wt. Pipe Run - WL 7.2
 Total Depth 4736 Chlorides 600 ppm System LCM 2

Blow Description IF: Surface blow, built to 1/8"
ISI: No blow
FF: No blow
FST: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/trace oil</u>	<u>trace</u>	<u>0</u>	<u>100</u>	<u>0</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 Total 5 BHT 141 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2347 Test 1950 T-On Location 23:00 9/1
 (B) First Initial Flow 17 Jars 300 T-Started 1:54
 (C) First Final Flow 19 Safety Joint _____ T-Open 6:13
 (D) Initial Shut-In 1168 Circ Sub _____ T-Pulled 9:23
 (E) Second Initial Flow 20 Hourly Standby 2.75h 275 T-Out 12:40
 (F) Second Final Flow 22 Mileage 166 RT 249+249 Comments tools loaded 9:05
 (G) Final Shut-In 1046 Sampler _____ 9:4
 (H) Final Hydrostatic 2292 Straddle _____ EM Tool _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 60 Extra Recorder _____ Sub Total 800
 Day Standby 1d 20.5h Total 3823
 Accessibility _____ MP/DST Disc't _____
 Sub Total 3023

Approved By _____ Our Representative James Winder

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68961

Well Name & No. TC# 1-6 Test No. 3 Date 9/5/22
 Company Murfin Drilling Company Inc Elevation 3668 KB 3663 GL
 Address 250 N Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Marc Summervill Rig Murfin #108
 Location: Sec. 6 Twp 35 Rge. 41W Co. Cheyenne State KS

Interval Tested 5008-5036 Zone Tested Celia
 Anchor Length 28' Tail-312 Drill Pipe Run 4768 Mud Wt. 9.4
 Top Packer Depth 5003 Drill Collars Run 237 Vis 67
 Bottom Packer Depth 5008 Wt. Pipe Run _____ WL 8.0
 Total Depth 5348 Chlorides 10000 ppm System LCM 2

Blow Description IF-Weak surface blow, built to 1 1/4 inch in 10 min, Final 1 3/4 inch
ISI - No blow back
FF - Weak surface blow in 10 min, Final stayed weak surface
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>118</u>	<u>Mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 118 BHT 148° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2619 Test 2150 T-On Location 16:15
 (B) First Initial Flow 41 Jars 300 T-Started 17:22
 (C) First Final Flow 67 Safety Joint _____ T-Open 20:34
 (D) Initial Shut-In 1147 Circ Sub _____ T-Pulled 00:00
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 03:12
 (F) Second Final Flow 83 Mileage 1166 RT 249 Comments _____
 (G) Final Shut-In 861 Sampler _____
 (H) Final Hydrostatic 2573 Straddle 600 EM Tool _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 60 Day Standby _____
 Sub Total 0 Extra Copies _____
 Total 3299 Accessibility _____
 Sub Total 3299 MP/DST Disc _____

Approved By _____ Our Representative [Signature]

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DRILLING REPORT - LOG TOPS - TC 1-6

MDCI
 TC #1-6
 2100 FSL 330 FWL
 Sec. 6-T3S-R41W
 3667' KB

Formation	Sample top	Datum	Ref	Ref	Log Top	Datum	Ref	Ref
Anhydrite	3536	+131	+18	-27	3537	+130	+17	-28
B/Anhydrite	3572	+95	+17	-25	3572	+95	+17	-25
Topeka	4322	-655	+11	-18	4322	-655	+11	-18
Oread	4449	-782	0	-20	4440	-773	+9	-11
Heebner	4471	-804	-1	-24	4464	-797	+6	-17
Lansing	4513	-846	+11	-16	4512	-845	+12	-15
Mound City	4814	-1147	+12	-2	4816	-1149	+10	-4
Ft Scott	4929	-1262	+18	-3	4929	-1262	+18	-3
Oakley	5010	-1343	+15	0	5010	-1343	+15	0
Miss	NDE	NDE	NDE	NDE	5332	-1665	NDE	+2
RTD	5347				5347	-1680		
LTD	5348				5348	-1681		



CEMENT TREATMENT REPORT

Customer: Murfin Drilling Co	Well: T C #1-6	Ticket: WP 3332
City, State: St. Francis KS	County: Cheyenne KS	Date: 9/6/2022
Field Rep: Justin Polfus	S-T-R: 6-3S-41W	Service: PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	5347 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	0.0406 bbls / ft.
Depth:	3550 ft
Annular Volume:	144.1 bbls
Excess:	
Total Slurry:	60.6 bbls
Total Sacks:	240 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbls / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
12:15 PM			-	-	Arrived on location
12:25 PM			-	-	Safety meeting
12:35 PM			-	-	Rigged up
12:48 PM	3.0	200.0	5.0	5.0	Water ahead
12:50 PM	3.7	250.0	12.6	17.6	Mixed 50 sacks H-Plug cement 13.8 ppg @ 3550'
12:55 PM	3.3	100.0	5.0	22.6	Begin displacement
12:59 PM				22.6	Pumped mud with rig pump for 3:00 minutes
1:59 PM	3.0	150.0	5.0	27.6	Water ahead
2:01 PM	4.5	250.0	25.2	52.8	Mixed 100 sacks H-Plug cement 13.8 ppg @ 2300'
2:07 PM	3.3	100.0	5.0	57.8	Begin displacement
2:11 PM					Pumped mud with rig pump for 1:45 minutes
3:31 PM	3.1	100.0	5.0		Water ahead
3:33 PM	5.0	200.0	12.6		Mixed 50 sacks H-Plug cement 13.8 ppg @ 425'
3:37 PM	3.0	50.0	1.5		Begin displacement
4:59 PM	2.4	50.0	2.5		Mixed 10 sacks H-Plug cement 13.8 ppg with wooden plug for top 40'
5:04 PM	2.4	50.0	7.5		Mixed 30 sacks H-Plug cement 13.8 ppg for rat hole plug
5:07 PM					Plug down
5:09 PM					Washed up and rigged down
5:27 PM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	3.3 bpm	136 psi	87 bbls
Bulk #1:	Kale	205			
Bulk #2:					

GEOLOGICAL REPORT

Marc R. Summerville

39.820166
-101.972878
NAD 27 KS-N
X=684354
Y=566007

COMPANY & WELL: **Murfin Drilling Company, Inc.**
LOCATION: **2100' FSL 330' FWL S2 NW NW SW**
SEC: **6** TWP: **3S** RGE: **41W**
COUNTY: **Cheyenne** STATE: **Ks**

COMPANY: **Murfin Drilling Company, Inc.**
API #: **15-023-21578** FIELD: **WC**
LEASE: **TC** WELL #: **#1-6**
LOCATION: **S2 NW NW SW**
SURVEY: **2100' FSL 330' FWL**
SECTION: **6** TWP: **3S** RGE: **41W**
COUNTY: **Cheyenne** STATE: **Kansas**

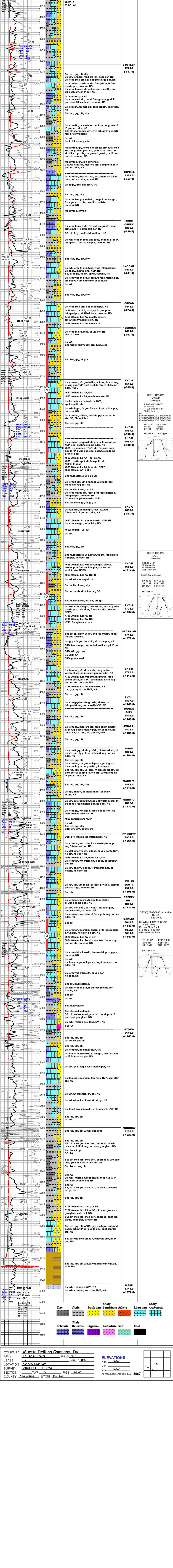
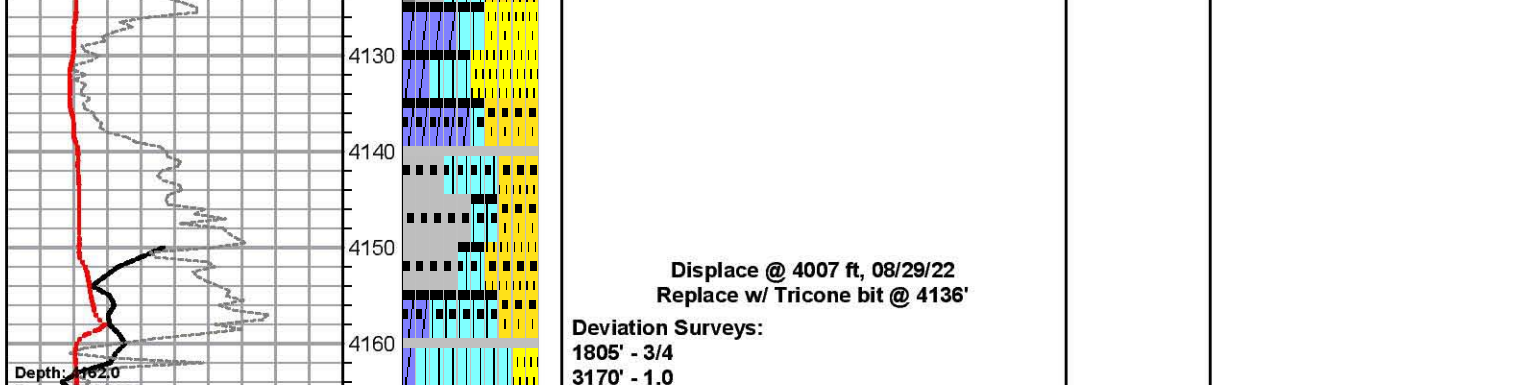
ELEVATIONS
K.B. **3667**
D.F. **3667**
G.L. **3662**
All measurements from K.B. **3667**

CONTRACTOR: **Murfin Drilling** Rig # **108**
SPUD: **08-25-22** COMP: **09-6-22**
RTD: **5347** LTD: **5348'**
MUD UP AT: **4007'**
MUD TYPE: **Chemical Morgan Mud, Dave Lines**

SAMPLES SAVED FROM **4220** TO **RTD**
DRILLING TIME FROM **4220** TO **RTD** Conductor **0** of **0** w/ **0** sk
SAMPLES EXAMINED FROM **4220** TO **RTD** Surface **388** of **8/5/8** w/ **350** sk
GEOLOGICAL SUPERVISION FROM **4220** TO **RTD** Production **0** of **0** w/ **0** sk
WELL SITE GEOLOGIST: **Marc R. Summerville**
ELECTRICAL SERVICES: **Midwest Wireline: Neu, Den, Micro, Dual Ind., Sonic**

Structure Compared to:	MURFIN DRLG CO TC 1-6 S2 NW NW SW Sec. 6-3S-41W	MURFIN DRLG CO TC 1-6 S2 NW NW SW Sec. 6-3S-41W	LAWTON R G JOHN RUEB 1 C SE NEB Sec. 13-3S-42W	MURFIN DRLG CO NEITZEL UT 1-31 SE NE SE Sec. 31-2S-41W
KB =	3667	3677	3643	3674
Depth	Subsea	Well Depth	Subsea	Subsea
Anhydrite	95	129	158	161
Base Anhy	3572	3573	3523	3561
Topak	4322	4324	4280	4340
Oread	4449	4441	4405	4458
Heebner Sh	4481	4464	4423	4477
LKC-A	4513	4512	4473	4531
LKC-B	4566	4567	4516	4571
LKC-D	4566	4567	4530	4585
LKC-C	4628	4601	4594	4647
LKC-H	4628	4601	4648	4687
LKC-I	4720	4721	4689	4748
Stark Sh	4742	4744	4722	4762
LKC-K	4772	4777	4750	4792
LKC-L	4806	4807	4780	4824
Round City	4814	4816	4788	4833
Marmton	4851	4851	4822	4864
Marm 'C'	4897	4897	4870	4917
FT Scott	4929	4931	4902	4954
L FT Scott	4969	4975	4947	4996
Breezy Hill	4981	4988	4951	5010
Oakley	5010	5010	4986	5032
Cella	5014	5014	4991	5038
Atoka	5115	5110	5088	5145
Morrow	5190	5200	5172	5200
Mississippi	5343	5344	5310	5350
RTD	5347	5347	5313	5350
LTD	5348	5348	5312	5350

REMARKS & RECOMMENDATIONS:
After evaluating all zones and testing potential payzones the Operator decided to P&A.



COMPANY: **Murfin Drilling Company, Inc.**
API #: **15-023-21578** FIELD: **WC**
LEASE: **TC** WELL #: **#1-6**
LOCATION: **S2 NW NW SW**
SURVEY: **2100' FSL 330' FWL**
SECTION: **6** TWP: **3S** RGE: **41W**
COUNTY: **Cheyenne** STATE: **Kansas**

ELEVATIONS
K.B. **3667**
D.F. **3667**
G.L. **3662**
All measurements from K.B. **3667**



