

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	JEAN 'A' 2-7
Doc ID	1628251

All Electric Logs Run

DIL
MEL
BHCS
DUCP



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.03 @ 20:57:00

End Date: 2022.01.04 @ 06:14:15

Job Ticket #: 67712 DST #: 1

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

Printed: 2022.01.12 @ 10:53:19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

7-1s-37w Cheyene,KS

Jean A #2-7

Job Ticket: 67712

DST#: 1

Test Start: 2022.01.03 @ 20:57:00

GENERAL INFORMATION:

Formation: **Lansing A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:28:00

Time Test Ended: 06:14:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4009.00 ft (KB) To 4120.00 ft (KB) (TVD)

Reference Elevations: 3107.00 ft (KB)

Total Depth: 4120.00 ft (KB) (TVD)

3102.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8874

Inside

Press@RunDepth: 175.59 psig @ 4010.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.03

End Date:

2022.01.04

Last Calib.: 2022.01.04

Start Time: 20:57:05

End Time:

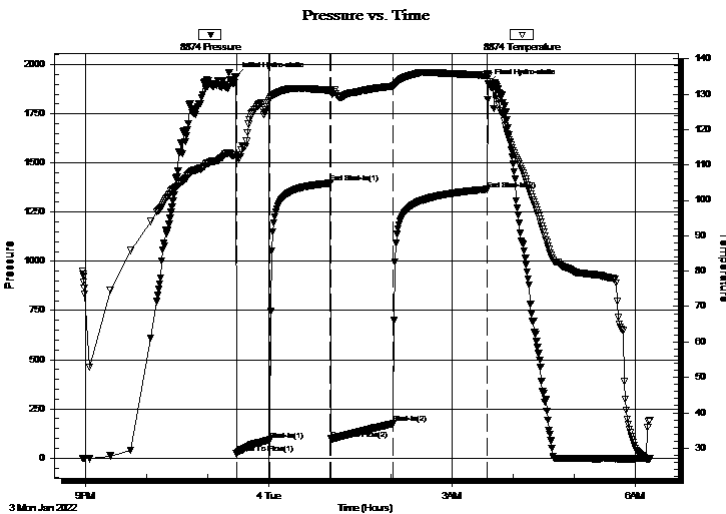
06:14:15

Time On Btm: 2022.01.03 @ 23:27:45

Time Off Btm: 2022.01.04 @ 03:35:15

TEST COMMENT: IF: BOB @ 30 min 10.6" blow .
IS: Surface return.
FF: BOB @ 33 min, 16.5" blow .
FS: Surface return. 30-60-60-90

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.39	112.77	Initial Hydro-static
1	22.43	111.95	Open To Flow (1)
33	92.24	128.75	Shut-In(1)
93	1397.85	131.08	End Shut-In(1)
94	96.54	130.58	Open To Flow (2)
155	175.59	132.28	Shut-In(2)
247	1365.99	135.35	End Shut-In(2)
248	1903.98	135.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
350.00	mcw 5m 95w (oil spots)	3.83

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67712

DST#: 1

ATTN: Wes Hansen

Test Start: 2022.01.03 @ 20:57:00

Tool Information

Drill Pipe:	Length: 3891.00 ft	Diameter: 3.80 inches	Volume: 54.58 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:	60000.00 lb
			<u>Total Volume: 55.16 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	4009.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	111.00 ft				
Tool Length:	141.00 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			3980.00	
Shut In Tool	5.00		Fluid	3985.00	
Hydraulic tool	5.00			3990.00	
Em Tool	3.00			3993.00	
Jars	5.00			3998.00	
Safety Joint	2.00			4000.00	
Packer	5.00		Inside	4005.00	30.00 Bottom Of Top Packer
Packer	4.00			4009.00	
Stubb	1.00			4010.00	
Recorder	0.00	8874	Inside	4010.00	
Recorder	0.00	8319	Outside	4010.00	
Perforations	11.00			4021.00	
Change Over Sub	1.00			4022.00	
Drill Pipe	94.00			4116.00	
Change Over Sub	1.00			4117.00	
Bullnose	3.00			4120.00	111.00 Bottom Packers & Anchor
Total Tool Length:	141.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67712

DST#: 1

ATTN: Wes Hansen

Test Start: 2022.01.03 @ 20:57:00

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:

24000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
350.00	mcw 5m 95w (oil spots)	3.835

Total Length: 350.00 ft Total Volume: 3.835 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .463 @ 42F = 24000ppm

Serial #: 8874

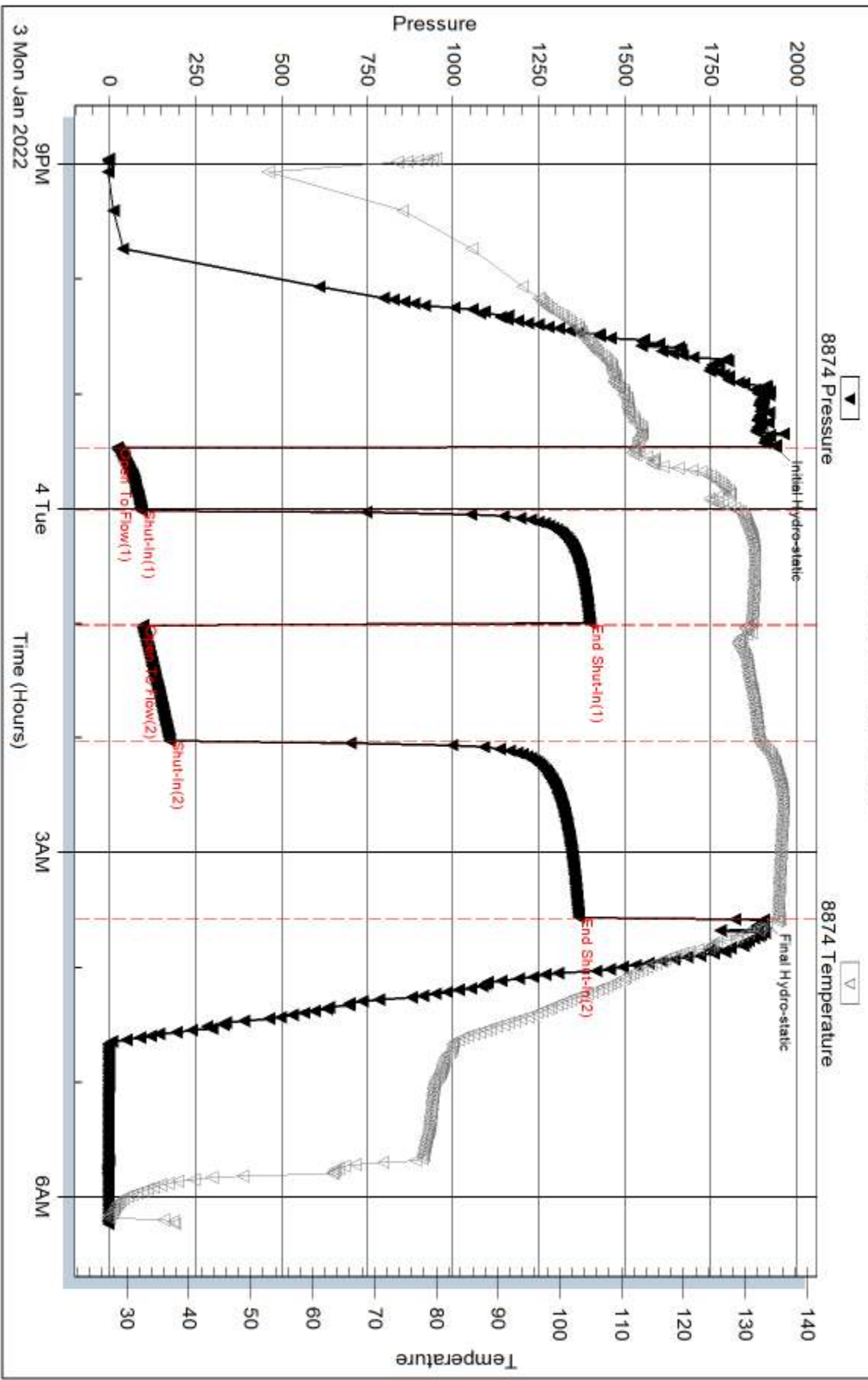
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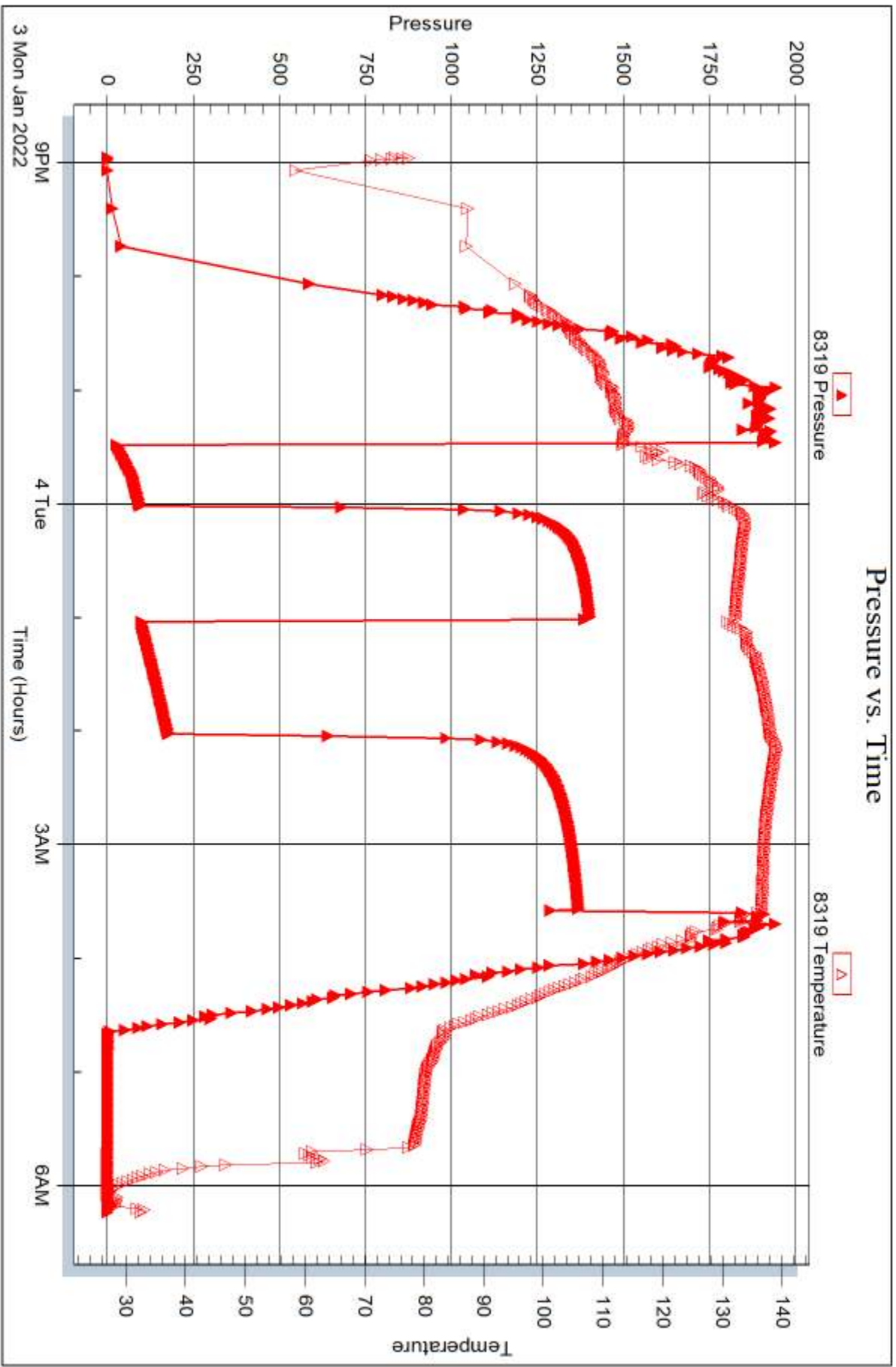
Marfin Drilling Co

Jean A #2-7

DST Test Number: 1

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.04 @ 18:53:00

End Date: 2022.01.05 @ 00:49:30

Job Ticket #: 67713 DST #: 2

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

Printed: 2022.01.12 @ 10:48:35

Murfin Drilling Co
7-1s-37w Cheyene,KS
Jean A #2-7
DST # 2
LKC G
2022.01.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

7-1s-37w Cheyene,KS
Jean A #2-7
Job Ticket: 67713 **DST#: 2**
Test Start: 2022.01.04 @ 18:53:00

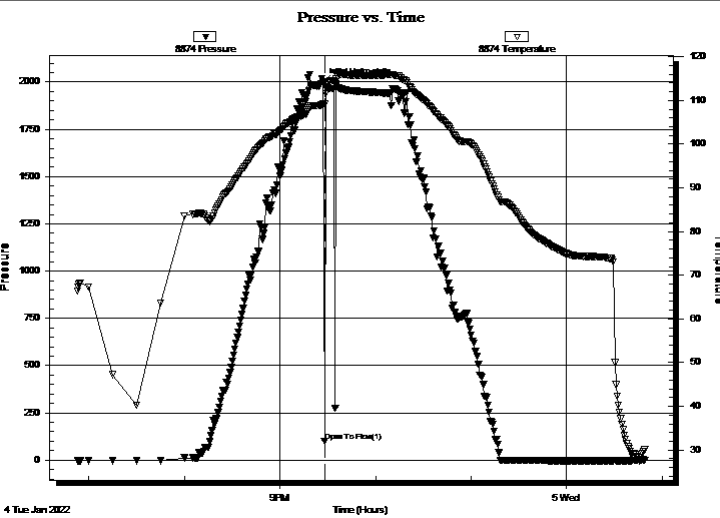
GENERAL INFORMATION:

Formation: **LKC G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:28:00
Time Test Ended: 00:49:30
Interval: **4116.00 ft (KB) To 4180.00 ft (KB) (TVD)**
Total Depth: 4180.00 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: 3107.00 ft (KB)
3102.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8874 Inside
Press@RunDepth: psig @ 4117.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.01.04 End Date: 2022.01.05 Last Calib.: 2022.01.05
Start Time: 18:53:05 End Time: 00:49:29 Time On Btm: 2022.01.04 @ 21:27:15
Time Off Btm:

TEST COMMENT: Packer failed to seat

Misrun



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.66	109.26	Initial Hydro-static
1	99.48	109.18	Open To Flow (1)

Recovery		
Length (ft)	Description	Volume (bbl)
200.00	mud 100m	1.73

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

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67713

DST#: 2

ATTN: Wes Hansen

Test Start: 2022.01.04 @ 18:53:00

Tool Information

Drill Pipe:	Length: 3987.00 ft	Diameter: 3.80 inches	Volume: 55.93 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: 35000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 56.51 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4116.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	94.00 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			4087.00	
Shut In Tool	5.00		Fluid	4092.00	
Hydraulic tool	5.00			4097.00	
Em Tool	3.00			4100.00	
Jars	5.00			4105.00	
Safety Joint	2.00			4107.00	
Packer	5.00		Inside	4112.00	30.00 Bottom Of Top Packer
Packer	4.00			4116.00	
Stubb	1.00			4117.00	
Recorder	0.00	8874	Inside	4117.00	
Recorder	0.00	8319	Outside	4117.00	
Perforations	27.00			4144.00	
Change Over Sub	1.00			4145.00	
Drill Pipe	31.00			4176.00	
Change Over Sub	1.00			4177.00	
Bullnose	3.00			4180.00	64.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67713

DST#: 2

ATTN: Wes Hansen

Test Start: 2022.01.04 @ 18:53:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	mud 100m	1.731

Total Length: 200.00 ft

Total Volume: 1.731 bbl

Num Fluid Samples: 0

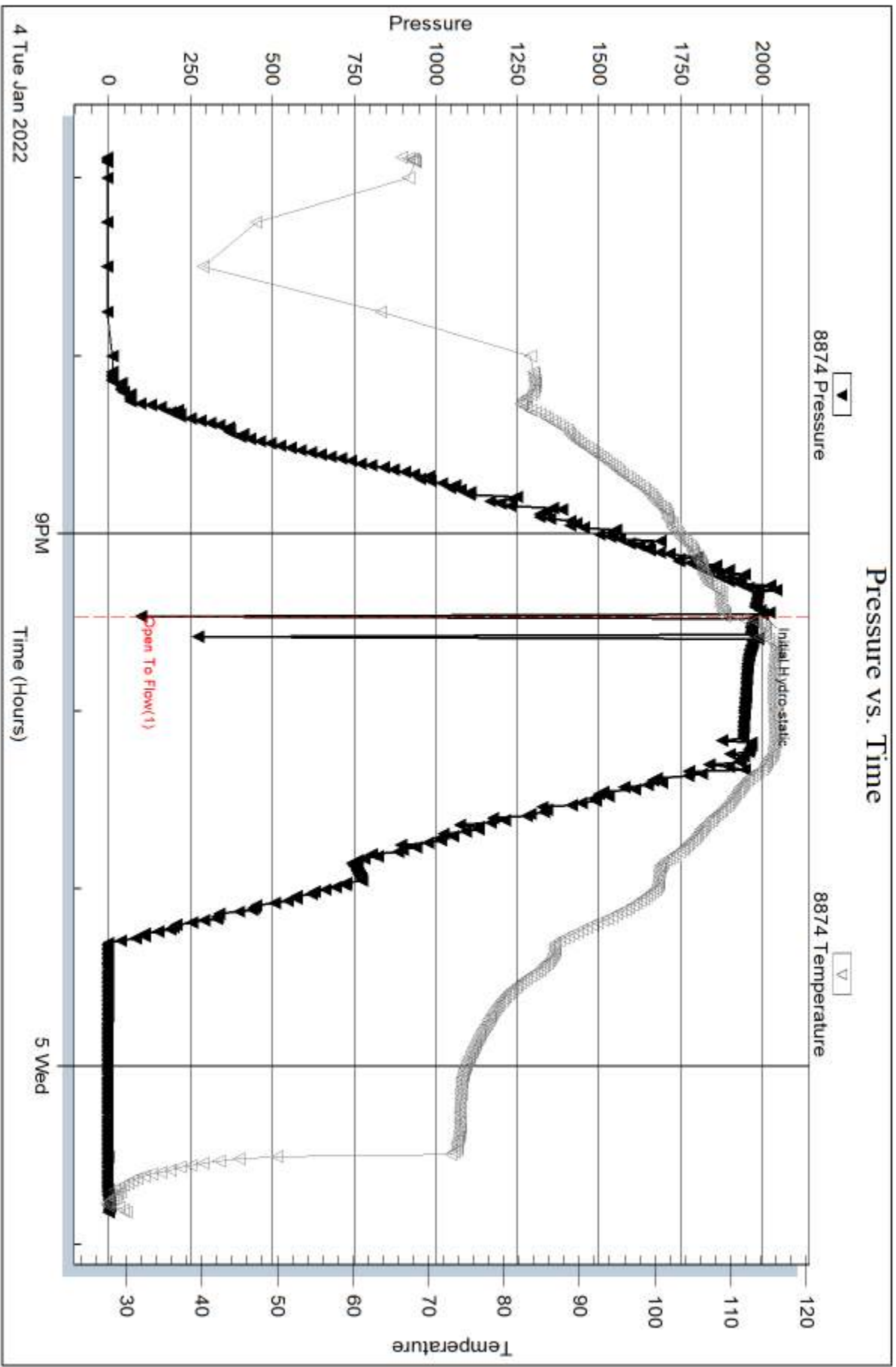
Num Gas Bombs: 0

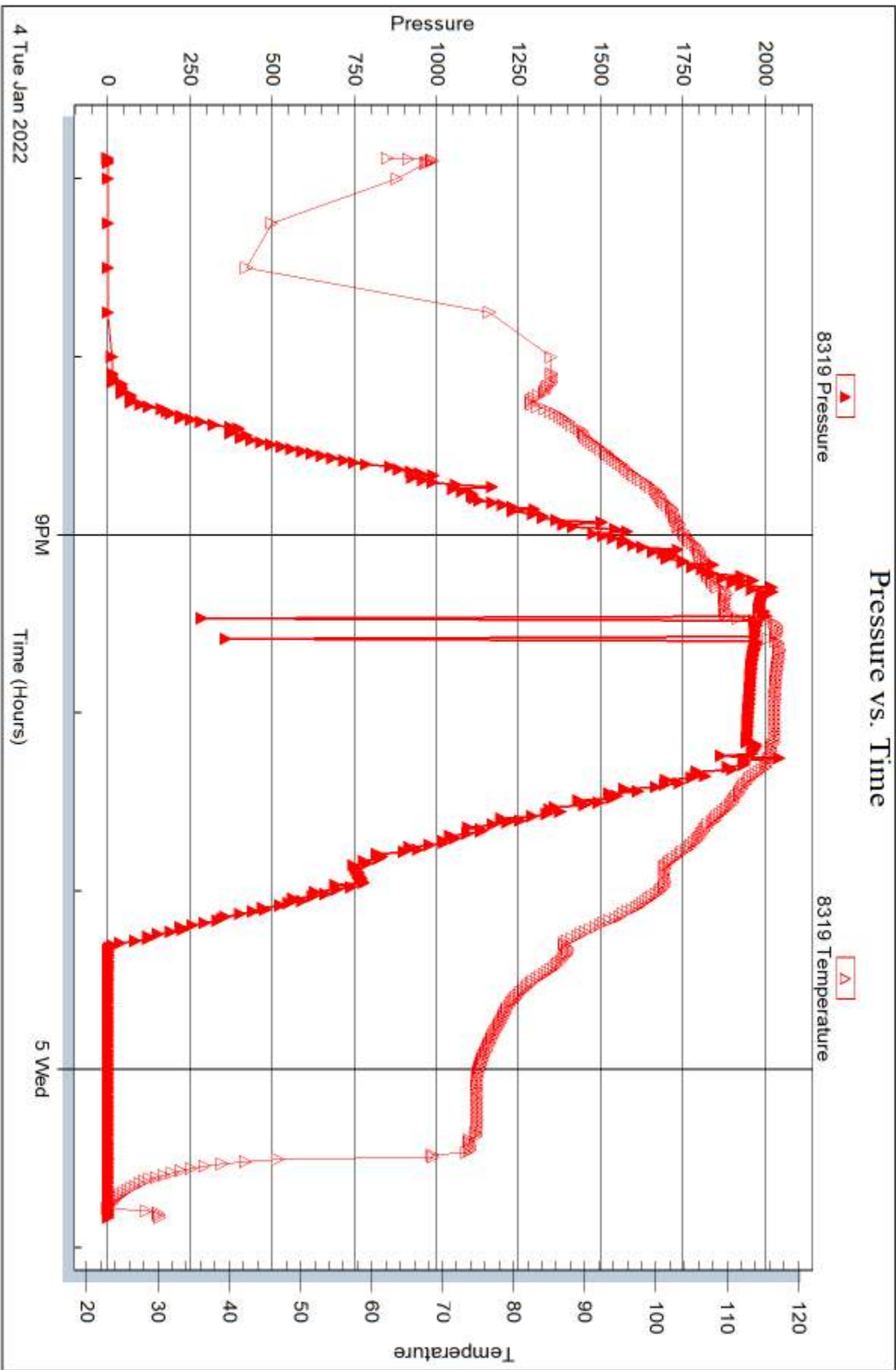
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: misrun







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.05 @ 01:21:00

End Date: 2022.01.05 @ 09:36:00

Job Ticket #: 67714 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.12 @ 10:44:11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

7-1s-37w Cheyene,KS

Jean A #2-7

Job Ticket: 67714

DST#: 3

Test Start: 2022.01.05 @ 01:21:00

GENERAL INFORMATION:

Formation: **LKC G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:57:30
 Time Test Ended: 09:36:00
 Interval: **4072.00 ft (KB) To 4180.00 ft (KB) (TVD)**
 Total Depth: 4180.00 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: 3107.00 ft (KB)
 3102.00 ft (CF)
 KB to GR/CF: 5.00 ft

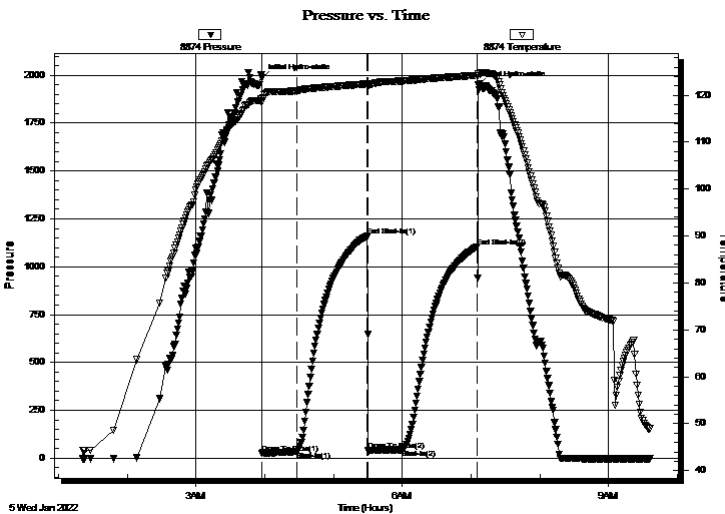
Serial #: 8874

Inside

Press@RunDepth: 43.78 psig @ 4073.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.01.05 End Date: 2022.01.05 Last Calib.: 2022.01.05
 Start Time: 01:21:05 End Time: 09:35:59 Time On Btm: 2022.01.05 @ 03:57:15
 Time Off Btm: 2022.01.05 @ 07:06:30

TEST COMMENT: IF: 2.4" blow.
 IS: Surface return.
 FF: 1" blow.
 FS: No return. 30-60-30-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1985.07	119.26	Initial Hydro-static
1	25.44	118.49	Open To Flow (1)
31	33.51	120.98	Shut-In(1)
93	1158.79	122.42	End Shut-In(1)
93	38.20	121.99	Open To Flow (2)
123	43.78	123.04	Shut-In(2)
188	1102.77	124.25	End Shut-In(2)
190	1948.44	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocm 5o 95m	0.30

* 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

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67714

DST#: 3

ATTN: Wes Hansen

Test Start: 2022.01.05 @ 01:21:00

Tool Information

Drill Pipe:	Length: 3952.00 ft	Diameter: 3.80 inches	Volume: 55.44 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: 65000.00 lb
			<u>Total Volume: 56.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4072.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	108.00 ft			
Tool Length:	138.00 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			4043.00	
Shut In Tool	5.00		Fluid	4048.00	
Hydraulic tool	5.00			4053.00	
Em Tool	3.00			4056.00	
Jars	5.00			4061.00	
Safety Joint	2.00			4063.00	
Packer	5.00		Inside	4068.00	30.00 Bottom Of Top Packer
Packer	4.00			4072.00	
Stubb	1.00			4073.00	
Recorder	0.00	8874	Inside	4073.00	
Recorder	0.00	8319	Outside	4073.00	
Perforations	8.00			4081.00	
Change Over Sub	1.00			4082.00	
Drill Pipe	94.00			4176.00	
Change Over Sub	1.00			4177.00	
Bullnose	3.00			4180.00	108.00 Bottom Packers & Anchor
Total Tool Length:	138.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67714

DST#: 3

ATTN: Wes Hansen

Test Start: 2022.01.05 @ 01:21:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	ocm 5o 95m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

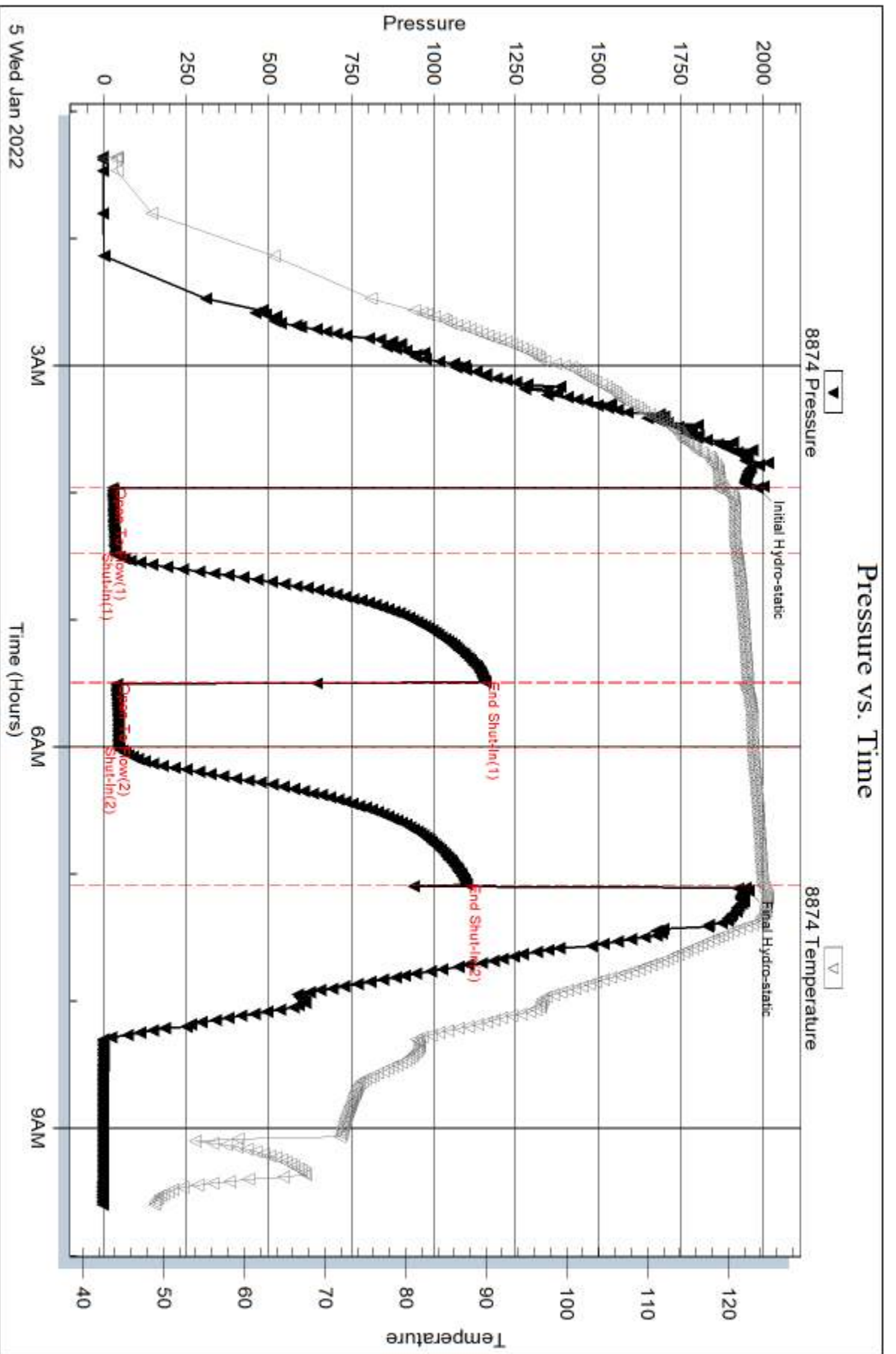
Num Gas Bombs: 0

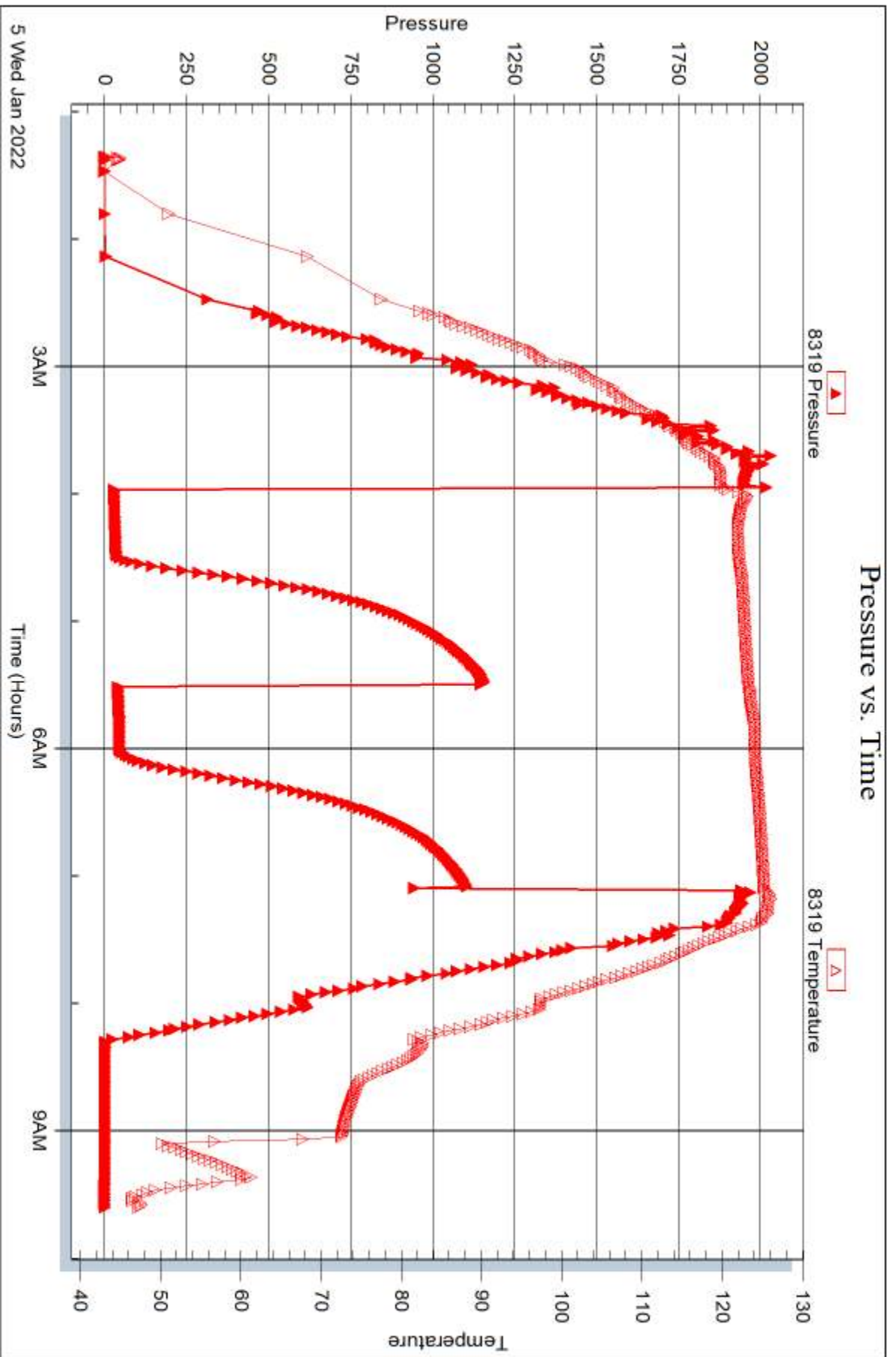
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.06 @ 02:47:00

End Date: 2022.01.06 @ 12:39:45

Job Ticket #: 67715 DST #: 4

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

Printed: 2022.01.12 @ 10:42:48



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co
 250 N Water STE 300
 Wichita, KS 67202
 ATTN: Wes Hansen

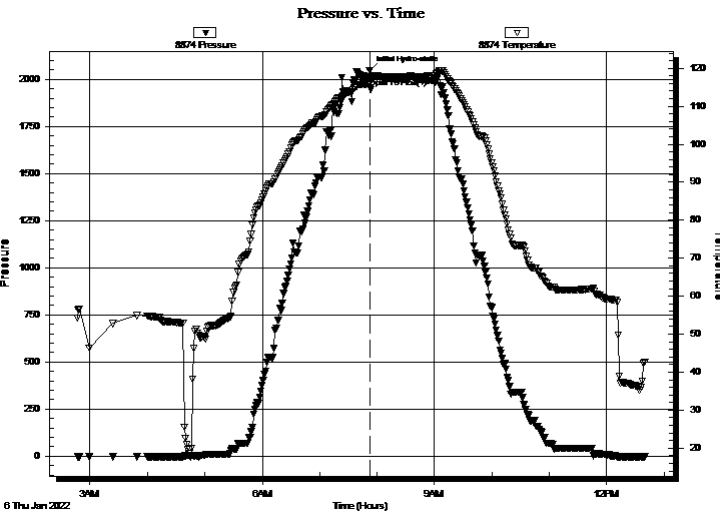
7-1s-37w Cheyene,KS
Jean A #2-7
 Job Ticket: 67715 **DST#: 4**
 Test Start: 2022.01.06 @ 02:47:00

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:53:00
 Time Test Ended: 12:39:45
 Interval: **4170.00 ft (KB) To 4270.00 ft (KB) (TVD)**
 Total Depth: 4270.00 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: 3107.00 ft (KB)
 3102.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8874 Inside
 Press@RunDepth: psig @ 4171.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.01.06 End Date: 2022.01.06 Last Calib.: 2022.01.06
 Start Time: 02:47:05 End Time: 12:39:45 Time On Btm: 2022.01.06 @ 07:52:30
 Time Off Btm:

TEST COMMENT: No Packer seat.
 Misrun



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2045.84	115.98	Initial Hydro-static
1	1953.74	116.22	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
350.00	mud 100m	3.83

* 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

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67715

DST#: 4

ATTN: Wes Hansen

Test Start: 2022.01.06 @ 02:47:00

Tool Information

Drill Pipe:	Length: 4047.00 ft	Diameter: 3.80 inches	Volume: 56.77 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: 57.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4170.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	130.00 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			4141.00	
Shut In Tool	5.00		Fluid	4146.00	
Hydraulic tool	5.00			4151.00	
Em Tool	3.00			4154.00	
Jars	5.00			4159.00	
Safety Joint	2.00			4161.00	
Packer	5.00		Inside	4166.00	30.00 Bottom Of Top Packer
Packer	4.00			4170.00	
Stubb	1.00			4171.00	
Recorder	0.00	8874	Inside	4171.00	
Recorder	0.00	8319	Outside	4171.00	
Perforations	31.00			4202.00	
Change Over Sub	1.00			4203.00	
Drill Pipe	63.00			4266.00	
Change Over Sub	1.00			4267.00	
Bullnose	3.00			4270.00	100.00 Bottom Packers & Anchor
Total Tool Length:	130.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67715

DST#: 4

ATTN: Wes Hansen

Test Start: 2022.01.06 @ 02:47:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
350.00	mud 100m	3.835

Total Length: 350.00 ft

Total Volume: 3.835 bbl

Num Fluid Samples: 0

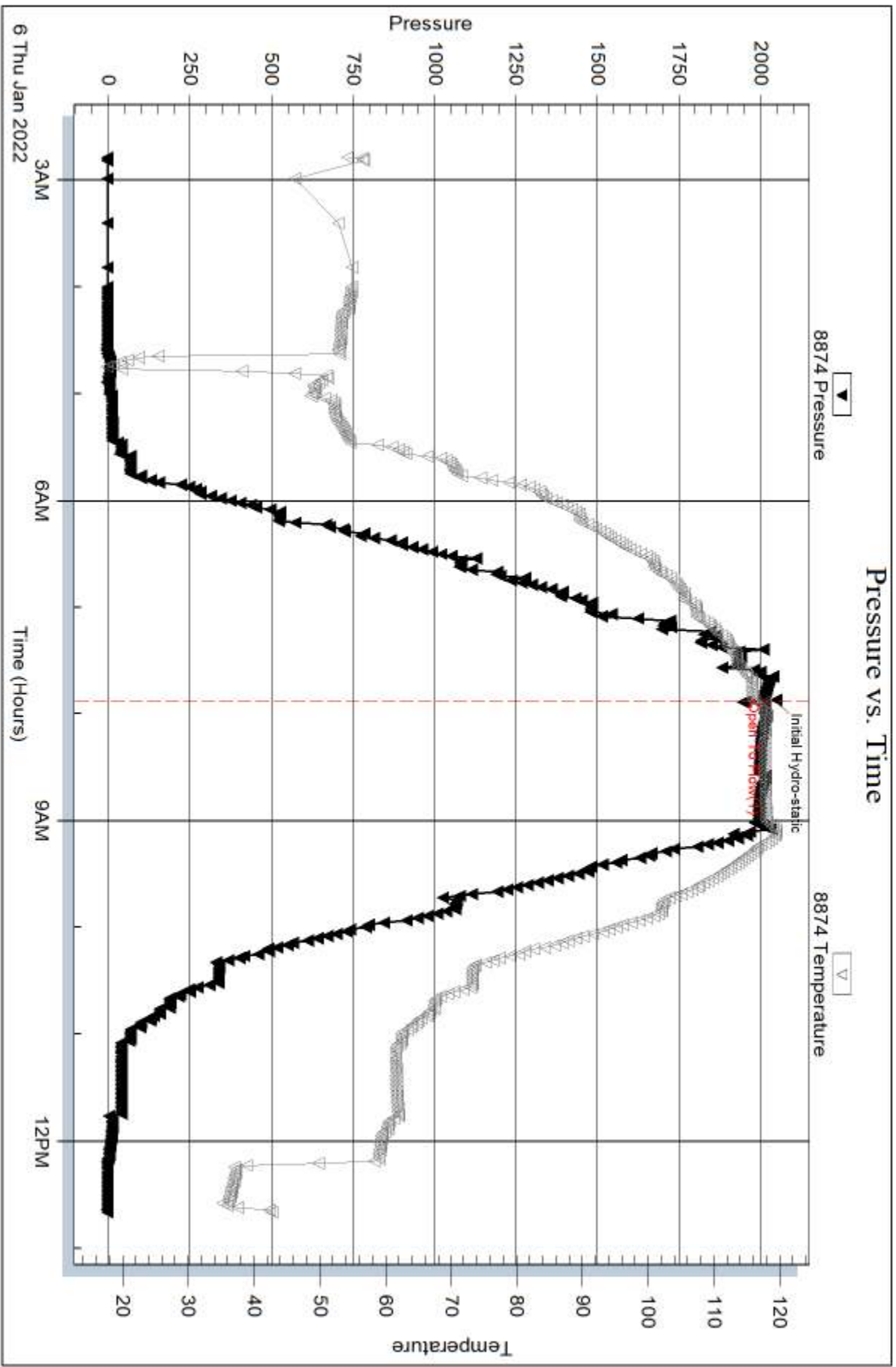
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Misrun





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.06 @ 23:47:00

End Date: 2022.01.07 @ 09:17:30

Job Ticket #: 67716 DST #: 5

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

Printed: 2022.01.12 @ 10:42:10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

7-1s-37w Cheyene,KS

Jean A #2-7

Job Ticket: 67716

DST#: 5

Test Start: 2022.01.06 @ 23:47:00

GENERAL INFORMATION:

Formation: **LKC- J-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:35:15

Time Test Ended: 09:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4210.00 ft (KB) To 4313.00 ft (KB) (TVD)

Reference Elevations: 3107.00 ft (KB)

Total Depth: 4313.00 ft (KB) (TVD)

3102.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8874

Inside

Press@RunDepth: 28.12 psig @ 4211.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.06

End Date:

2022.01.07

Last Calib.:

2022.01.07

Start Time: 23:47:05

End Time:

09:17:30

Time On Btm:

2022.01.07 @ 03:34:30

Time Off Btm:

2022.01.07 @ 06:44:00

TEST COMMENT:

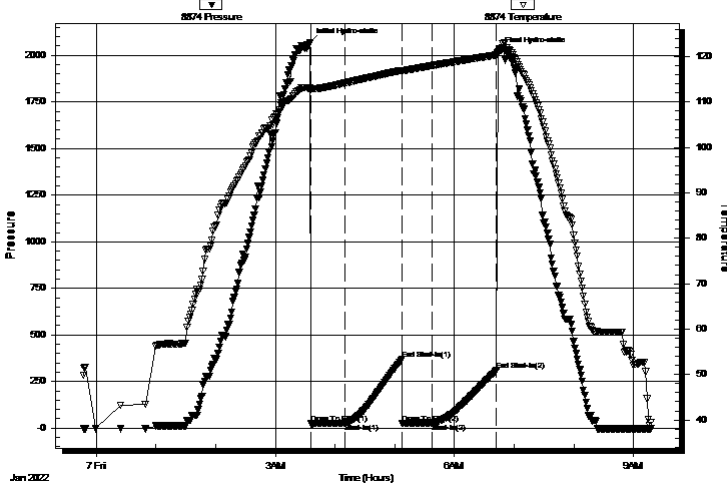
IF: 1.7" blow .

IS: No return.

FF: .4" blow .

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

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.45	112.88	Initial Hydro-static
1	23.18	112.79	Open To Flow (1)
35	26.74	114.12	Shut-In(1)
93	370.15	116.95	End Shut-In(1)
93	25.72	116.74	Open To Flow (2)
123	28.12	117.99	Shut-In(2)
188	309.63	120.33	End Shut-In(2)
190	2020.28	121.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100m	0.10

* 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

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67716

DST#: 5

ATTN: Wes Hansen

Test Start: 2022.01.06 @ 23:47:00

Tool Information

Drill Pipe:	Length: 4077.00 ft	Diameter: 3.80 inches	Volume: 57.19 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: 57.77 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4210.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.00 ft			
Tool Length:	133.00 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			4181.00	
Shut In Tool	5.00		Fluid	4186.00	
Hydraulic tool	5.00			4191.00	
Em Tool	3.00			4194.00	
Jars	5.00			4199.00	
Safety Joint	2.00			4201.00	
Packer	5.00		Inside	4206.00	30.00 Bottom Of Top Packer
Packer	4.00			4210.00	
Stubb	1.00			4211.00	
Recorder	0.00	8874	Inside	4211.00	
Recorder	0.00	8319	Outside	4211.00	
Perforations	34.00			4245.00	
Change Over Sub	1.00			4246.00	
Drill Pipe	63.00			4309.00	
Change Over Sub	1.00			4310.00	
Bullnose	3.00			4313.00	103.00 Bottom Packers & Anchor
Total Tool Length:	133.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67716

DST#: 5

ATTN: Wes Hansen

Test Start: 2022.01.06 @ 23:47:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

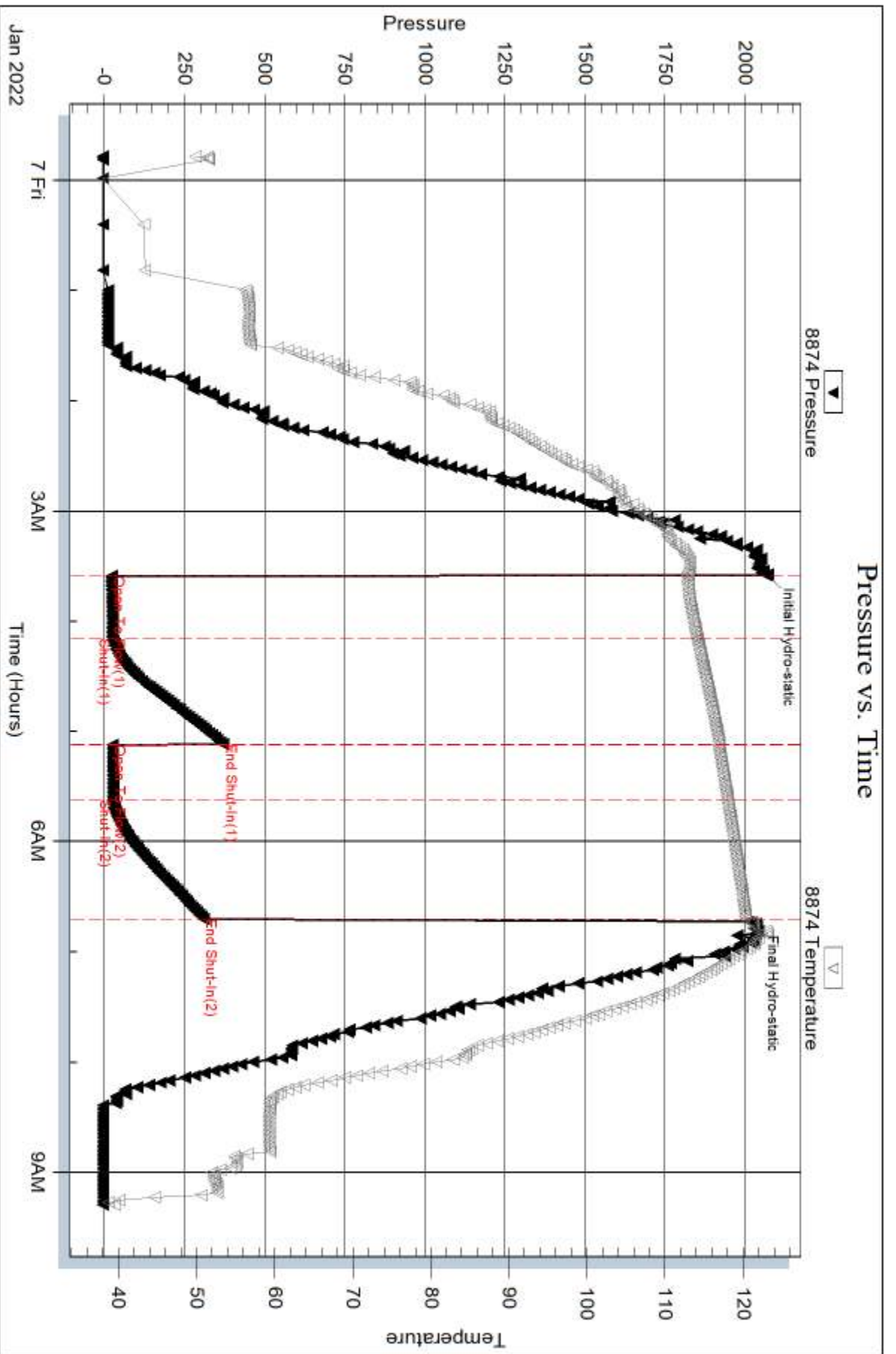
Num Gas Bombs: 0

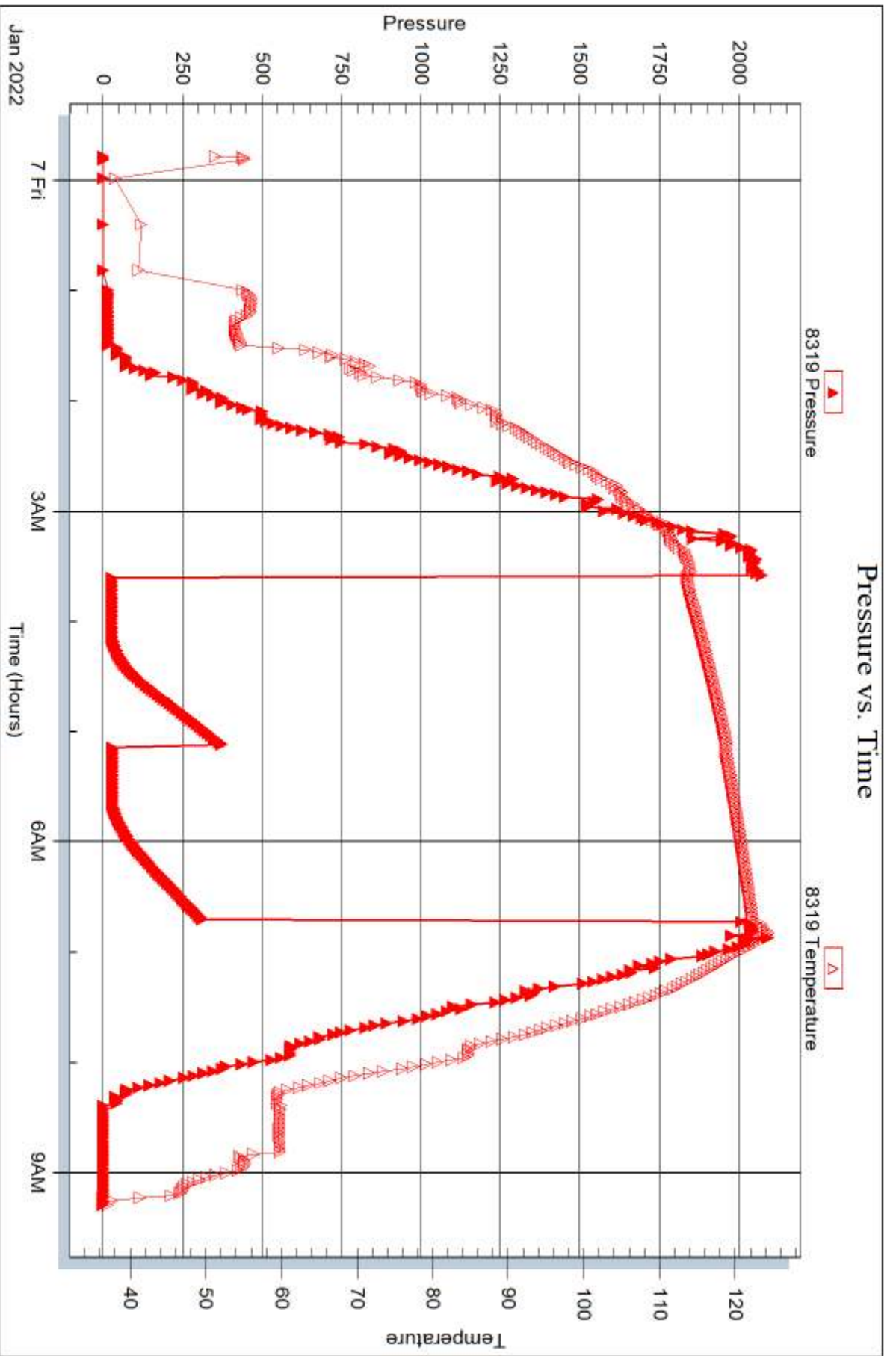
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.08 @ 02:42:00

End Date: 2022.01.08 @ 11:43:45

Job Ticket #: 67717 DST #: 6

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

Printed: 2022.01.12 @ 10:09:13

Murfin Drilling Co
7-1s-37w Cheyene,KS
Jean A #2-7
DST # 6
Ft Scott
2022.01.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

7-1s-37w Cheyene,KS

Jean A #2-7

Job Ticket: 67717

DST#: 6

Test Start: 2022.01.08 @ 02:42:00

GENERAL INFORMATION:

Formation: **Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:06:15
 Time Test Ended: 11:43:45
 Interval: **4412.00 ft (KB) To 4470.00 ft (KB) (TVD)**
 Total Depth: 4470.00 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: 3107.00 ft (KB)
 3102.00 ft (CF)
 KB to GR/CF: 5.00 ft

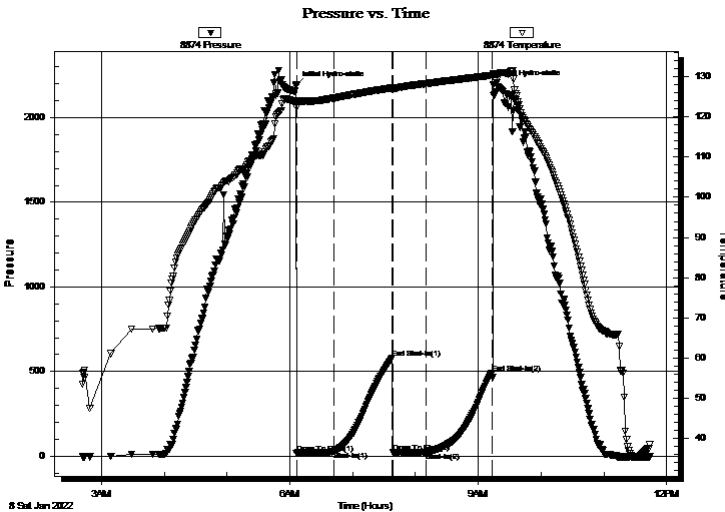
Serial #: 8874

Inside

Press@RunDepth: 23.13 psig @ 4413.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.01.08 End Date: 2022.01.08 Last Calib.: 2022.01.08
 Start Time: 02:42:05 End Time: 11:43:45 Time On Btm: 2022.01.08 @ 06:06:00
 Time Off Btm: 2022.01.08 @ 09:14:30

TEST COMMENT: IF: 1 1/4" blow .
 IS: No return.
 FF: 1/4" blow .
 FS: No return. 30-60-30-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.59	123.80	Initial Hydro-static
1	17.56	122.33	Open To Flow (1)
36	29.73	124.67	Shut-In(1)
92	579.86	127.25	End Shut-In(1)
93	21.73	127.10	Open To Flow (2)
125	23.13	128.28	Shut-In(2)
187	489.34	130.34	End Shut-In(2)
189	2195.13	130.66	Final Hydro-static

Recovery

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

* 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

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67717

DST#: 6

ATTN: Wes Hansen

Test Start: 2022.01.08 @ 02:42:00

Tool Information

Drill Pipe:	Length: 4266.00 ft	Diameter: 3.80 inches	Volume: 59.84 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: 80000.00 lb
			<u>Total Volume: 60.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4412.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	88.00 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			4383.00	
Shut In Tool	5.00		Fluid	4388.00	
Hydraulic tool	5.00			4393.00	
Em Tool	3.00			4396.00	
Jars	5.00			4401.00	
Safety Joint	2.00			4403.00	
Packer	5.00		Inside	4408.00	30.00 Bottom Of Top Packer
Packer	4.00			4412.00	
Stubb	1.00			4413.00	
Recorder	0.00	8874	Inside	4413.00	
Recorder	0.00	8319	Outside	4413.00	
Perforations	21.00			4434.00	
Change Over Sub	1.00			4435.00	
Drill Pipe	31.00			4466.00	
Change Over Sub	1.00			4467.00	
Bullnose	3.00			4470.00	58.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 67717

DST#: 6

ATTN: Wes Hansen

Test Start: 2022.01.08 @ 02:42:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 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

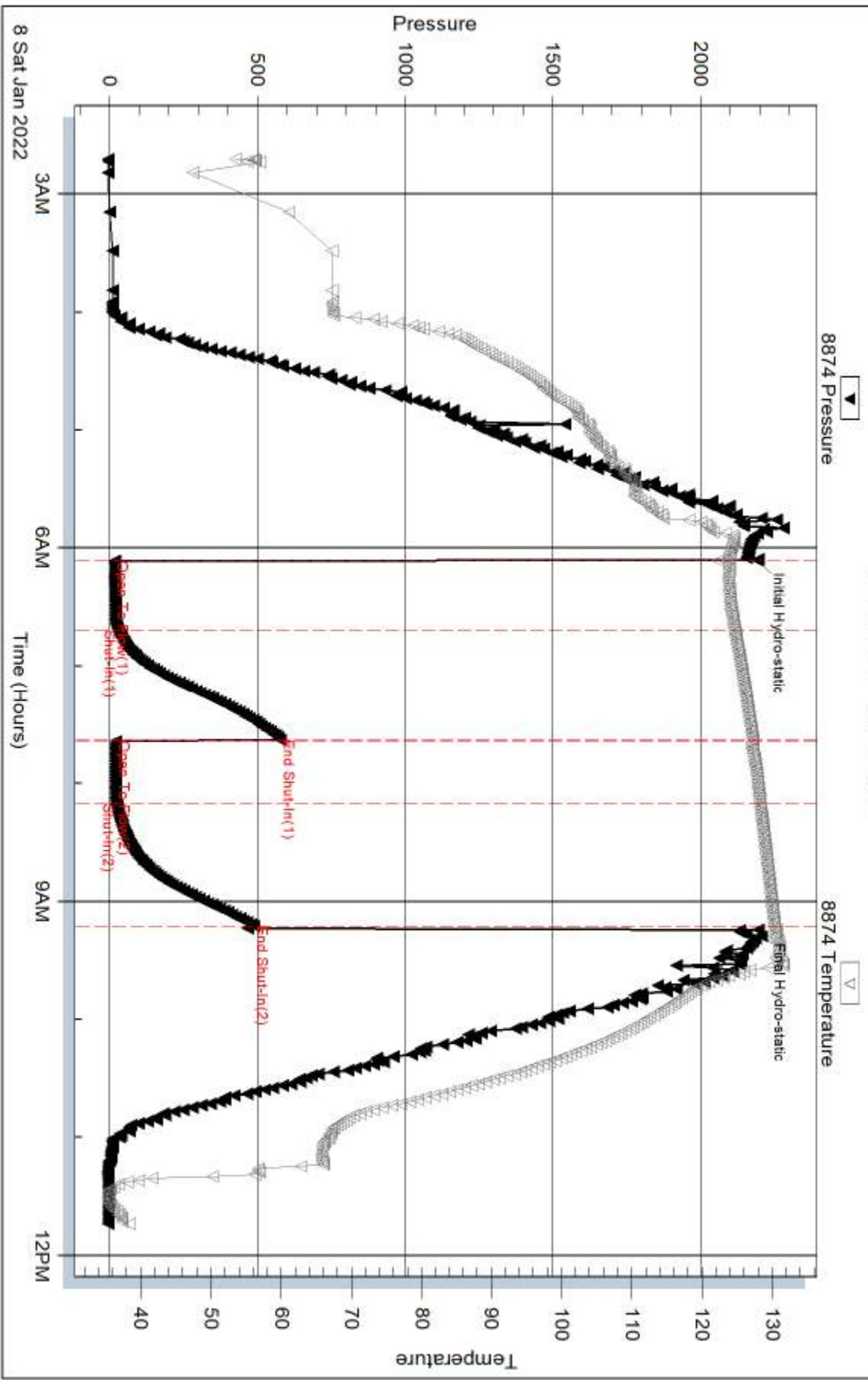
Serial #:

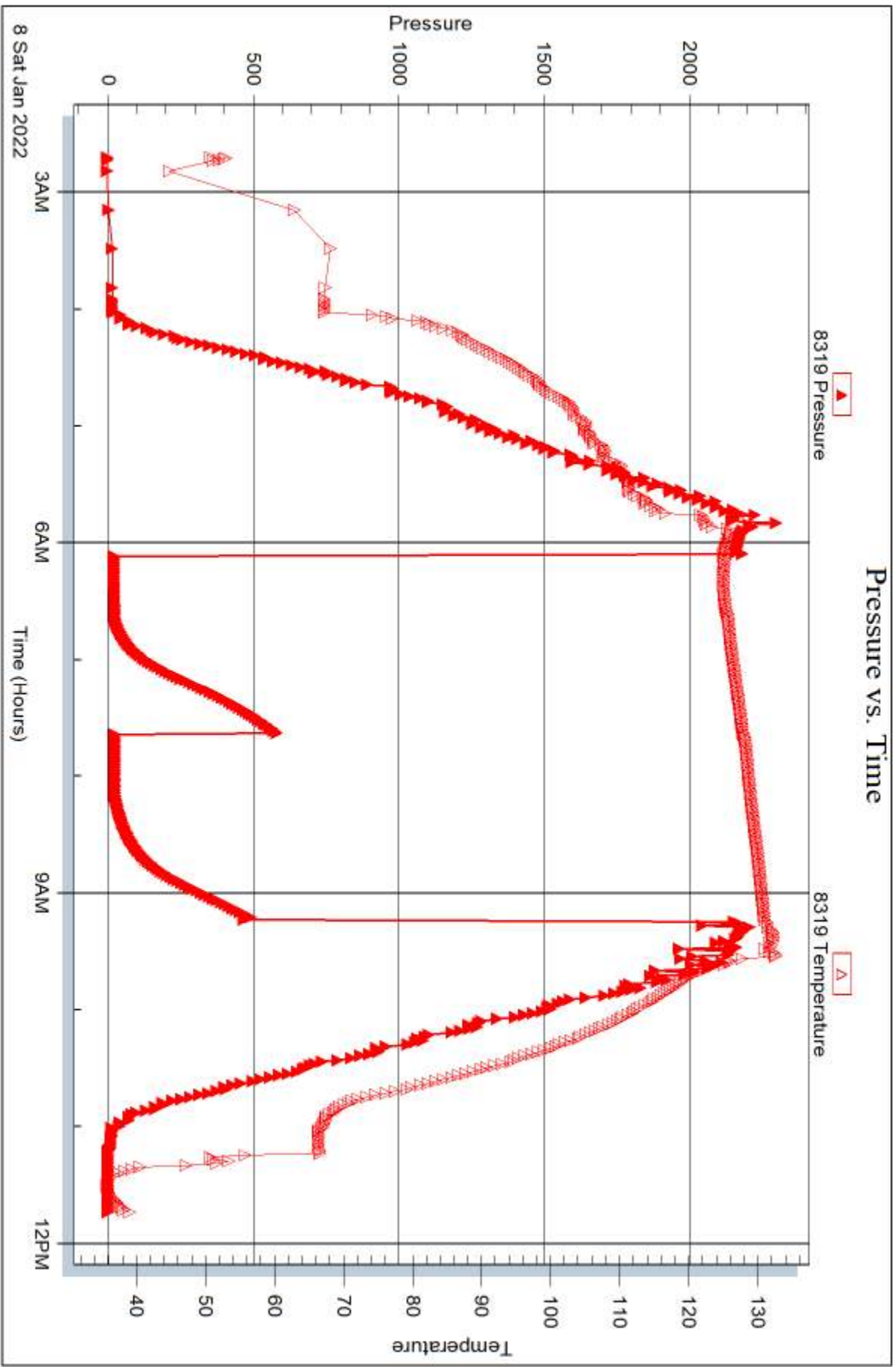
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Jean A #2-7

7-1s-37w Cheyene,KS

Start Date: 2022.01.09 @ 16:45:00

End Date: 2022.01.10 @ 01:52:45

Job Ticket #: 68554 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.12 @ 10:07:44



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

7-1s-37w Cheyene,KS

Jean A #2-7

Job Ticket: 68554

DST#: 7

Test Start: 2022.01.09 @ 16:45:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:15:00

Time Test Ended: 01:52:45

Test Type: Conventional Straddle (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 4450.00 ft (KB) To 4486.00 ft (KB) (TVD)

Reference Elevations: 3107.00 ft (KB)

Total Depth: 4635.00 ft (KB) (TVD)

3102.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 26.54 psig @ 4455.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.09

End Date:

2022.01.10

Last Calib.: 1899.12.30

Start Time: 16:45:01

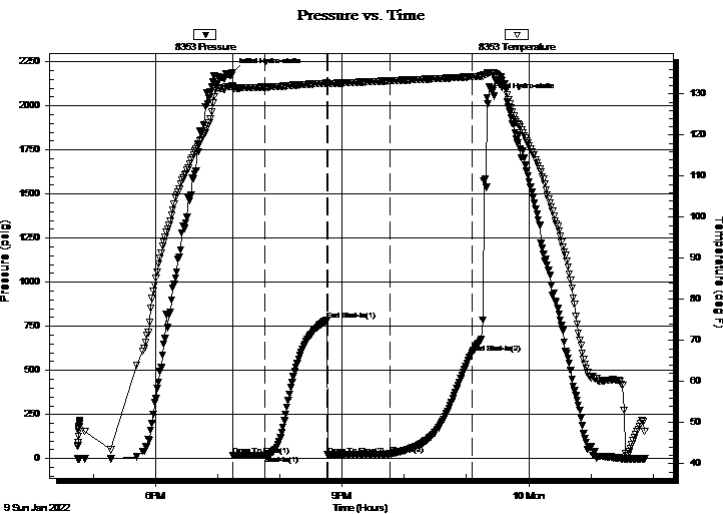
End Time:

01:52:45

Time On Btm: 2022.01.09 @ 19:14:30

Time Off Btm: 2022.01.09 @ 23:20:00

TEST COMMENT: 30:FF- Weak surface blow , died right aw ay
60:IS- No blow back
60:FF- No blow
90:FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2189.60	131.94	Initial Hydro-static
1	16.73	131.43	Open To Flow (1)
31	19.24	131.68	Shut-In(1)
91	784.40	132.63	End Shut-In(1)
92	21.45	132.49	Open To Flow (2)
152	26.54	133.21	Shut-In(2)
231	597.87	134.23	End Shut-In(2)
246	2048.52	135.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 95%M 5%O	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

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 68554

DST#: 7

ATTN: Wes Hansen

Test Start: 2022.01.09 @ 16:45:00

Tool Information

Drill Pipe:	Length: 4337.00 ft	Diameter: 3.80 inches	Volume: 60.84 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: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 57000.00 lb
			<u>Total Volume: 61.42 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4450.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	4486.00 ft			
Interval between Packers:	36.00 ft			
Tool Length:	216.00 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			4425.00	
Shut In Tool	5.00		Fluid	4430.00	
Hydraulic tool	5.00			4435.00	
Em Tool	3.00			4438.00	
Jars	5.00			4443.00	
Safety Joint	2.00			4445.00	
Packer	5.00		Inside	4450.00	26.00 Bottom Of Top Packer
Packer - Shale	4.00			4454.00	
Stubb	1.00			4455.00	
Recorder	0.00	8353	Inside	4455.00	
Recorder	0.00	8676	Outside	4455.00	
Perforations	30.00			4485.00	
Blank Off Sub	1.00			4486.00	36.00 Tool Interval
Packer	5.00			4491.00	
Stubb	1.00			4492.00	
Recorder	0.00	8646	Below	4492.00	
Perforations	16.00			4508.00	
Change Over Sub	1.00			4509.00	
Drill Pipe	127.00			4636.00	
Change Over Sub	1.00			4637.00	
Bullnose	3.00			4640.00	154.00 Bottom Packers & Anchor

Total Tool Length: 216.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

7-1s-37w Cheyene,KS

250 N Water STE 300
Wichita, KS 67202

Jean A #2-7

Job Ticket: 68554

DST#: 7

ATTN: Wes Hansen

Test Start: 2022.01.09 @ 16:45:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 95%M 5%O	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

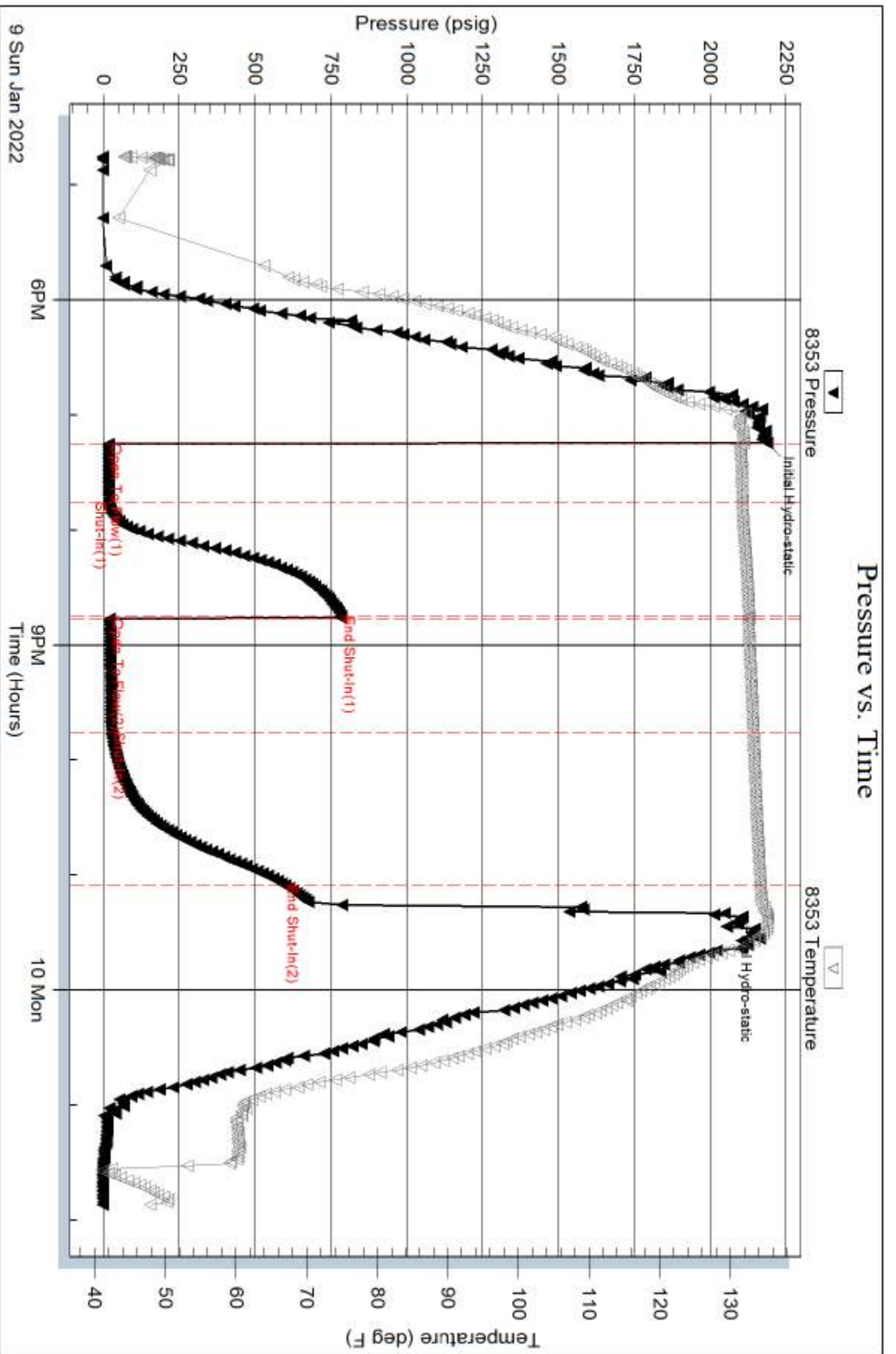
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

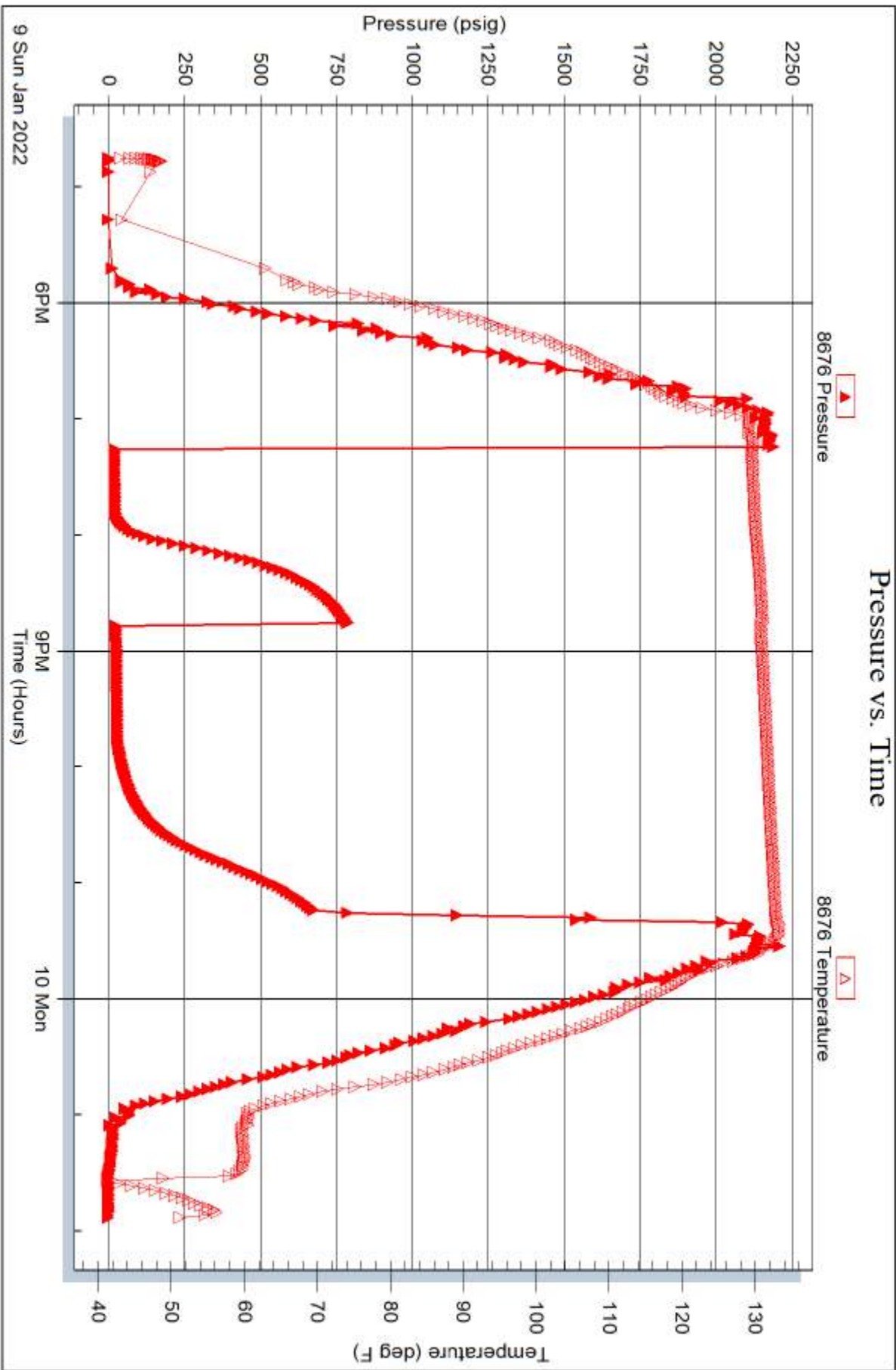


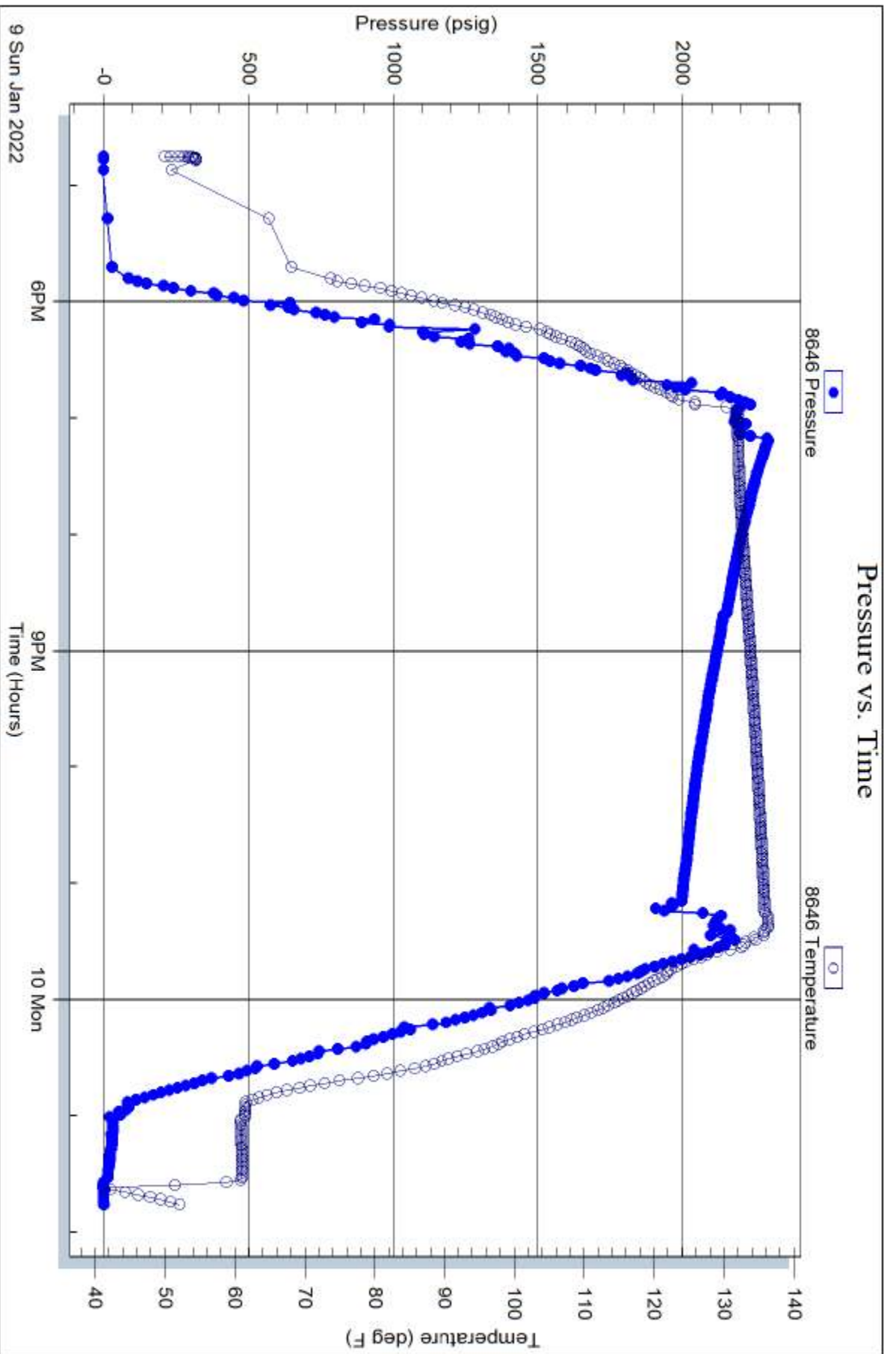
Serial #: 8676

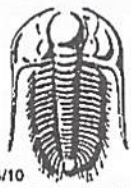
Outside Marfin Drilling Co

Jean A #2-7

DST Test Number: 7







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67712**

Well Name & No. Jean A #2-7 Test No. 1 Date 01/04/2022
 Company Mountain Drilling Co, Inc Elevation 3107 KB 3102 GL
 Address Wichita, ks
 Co. Rep / Geo. Wes Hanson Rig Mountain 110
 Location: Sec. 7 Twp 1s Rge. 37w Co. Cheyene State Ks

Interval Tested 4009-4120 Zone Tested Lansing A-D
 Anchor Length 111 Drill Pipe Run 3892 Mud Wt. 8.8
 Top Packer Depth 4004 Drill Collars Run 118 Vls 55
 Bottom Packer Depth 4009 Wt. Pipe Run — WL 6.4
 Total Depth 4120 Chlorides 1300 ppm System LCM 2#

Blow Description IF BOB @ 30 min 10.6"
ISI Surface return.
FF BOB @ 33 min 16.5" blow.
ISI Surface return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
	<u>oil spots</u>				

Rec Total 350 BHT 135 Gravity — API RW 1463 @ 42° F Chlorides 24000 ppm

(A) Initial Hydrostatic 1439 Test 1450 T-On Location 2000
 (B) First Initial Flow 22 Jars 250 T-Started 2057
 (C) First Final Flow 92 Safety Joint 75 T-Open 2327
 (D) Initial Shut-In 1397 Circ Sub _____ T-Pulled 0330
 (E) Second Initial Flow 96 Hourly Standby _____ T-Out 0620
 (F) Second Final Flow 175 Mileage 185 Comments _____
 (G) Final Shut-In 1365 Sampler _____
 (H) Final Hydrostatic 1903 Straddle _____ EM Tool 350
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total 350
 Initial Shut-In 60 Accessibility _____ Total 2310
 Final Flow 60 Sub Total 1960 MP/DST Disc't _____
 Final Shut-In 90

Approved By _____ Our Representative [Signature]

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TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67713**

Well Name & No. Jean A #2-7 Test No. 2 Date 01/04/2020
 Company Martin Drilling Co Elevation 3107 KB 3102 GL
 Address Wichita, Ks
 Co. Rep / Geo. Wes Hansen Rig Martin 110
 Location: Sec. 7 Twp 1S Rge. 37W Co. Cherokee State Ks

Interval Tested 4116-4180 Zone Tested LFC G
 Anchor Length 64' Drill Pipe Run 3987 Mud Wt. 9.0
 Top Packer Depth 4111 Drill Collars Run 118 Vis 55
 Bottom Packer Depth 4116 Wt. Pipe Run — WL 6.4
 Total Depth 4180 Chlorides 1300 ppm System LCM 2#
 Blow Description IF —
- Misrun

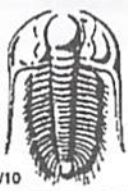
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____ Test 1150 T-On Location 1830
 (B) First Initial Flow M Jars 250 T-Started 1853
 (C) First Final Flow 1S Safety Joint 75 T-Open 2128
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 2200
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 0049
 (F) Second Final Flow _____ Mileage 185 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ EM Tool 350
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1660 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67714

Well Name & No. Jean A #2-7 Test No. 3 Date 01/05/2022
 Company Murfin Drilling Co, Inc Elevation 3107 KB 3102 GL
 Address Wichita, ks
 Co. Rep / Geo. Wes Hansen Rig Murfin 110
 Location: Sec. 7 Twp 1s Rge. 37w Co. Cherokee State Ks

Interval Tested 4072-4180 Zone Tested LKC G
 Anchor Length 108' Drill Pipe Run 3952 Mud Wt. 9.0
 Top Packer Depth 4067 Drill Collars Run 118 Vis 55
 Bottom Packer Depth 4072 Wt. Pipe Run 0 WL 6.1P
 Total Depth 4180 Chlorides 1300 ppm System LCM 2#
 Blow Description IF 2.4" blow
ISI Surface return.
FF 1" blow
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>0 cm</u>	<u>5</u>		<u>95</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 60 BHT 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1985</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>0050</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0121</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0357</u>
(D) Initial Shut-In <u>1158</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0700</u>
(E) Second Initial Flow <u>38</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0933</u>
(F) Second Final Flow <u>43</u>	<input checked="" type="checkbox"/> Mileage <u>No</u>	Comments <u>Stayed at rig</u>
(G) Final Shut-In <u>1102</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1948</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility	Total <u>2375</u>
	Sub Total <u>2025</u>	MP/DST Disc <u>—</u>

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67715**

Well Name & No. Jean A #2-7 Test No. 4 Date 01/06/2022
 Company Martin Drilling Co, Inc Elevation 3107 KB 3102 GL
 Address Wichita, KS
 Co. Rep / Geo. Wes Hansen Rig Martin 110
 Location: Sec. 7 Twp 15 Rge. 37W Co. Cherokee State KS

Interval Tested 4170 - 4270 Zone Tested LKC H-J
 Anchor Length 100' Drill Pipe Run 4047 Mud Wt. 92
 Top Packer Depth 4165 Drill Collars Run 118 Vis SS
 Bottom Packer Depth 4170 Wt. Pipe Run 0 WL 7.0
 Total Depth 4270 Chlorides 2,000 ppm System LCM 2#

Blow Description IF
ISF Misrun
FF
BSI

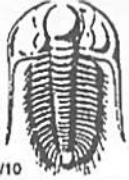
Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>MON</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____ Test 1150 T-On Location 0015
 (B) First Initial Flow M Jars 250 T-Started ~~0800~~ 0247
 (C) First Final Flow I Safety Joint 75 T-Open 0800
 (D) Initial Shut-In S Circ Sub _____ T-Pulled 0900
 (E) Second Initial Flow R Hourly Standby _____ T-Out 1240
 (F) Second Final Flow V Mileage 185 Comments _____
 (G) Final Shut-In H Sampler _____
 (H) Final Hydrostatic _____ Straddle _____
 Shale Packer 250 EM Tool 350
 Extra Packer _____ Ruined Shale Packer _____
 Extra Recorder _____ Ruined Packer _____
 Day Standby _____ Sub Total _____
 Accessibility _____ Total 1910
 Sub Total 1910 MP/DST Disc't _____

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67716

Well Name & No. Jean A #2-7 Test No. 5 Date 01/07/2022
 Company Martin Drilling Co, Inc Elevation 2107 KB 3102 GL
 Address Wichita, Ks
 Co. Rep / Geo. Wes Hansen Rig Martin 110
 Location: Sec. 7 Twp 1s Rge. 37w Co. Cherokee State Ks

Interval Tested 4210 - 4313 Zone Tested LKC J-K
 Anchor Length 103 Drill Pipe Run 4077 Mud Wt. 9.0
 Top Packer Depth 4205 Drill Collars Run 118 Vls 62
 Bottom Packer Depth 4210 Wt. Pipe Run 0 WL 5.8
 Total Depth 4313 Chlorides 1200 ppm System LCM 1#

Blow Description IF 1.7" blow
ISI No return
FF .4" blow
KSI No return

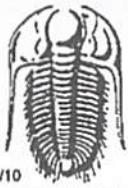
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 120 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2069</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>2230</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2347</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0342</u>
(D) Initial Shut-In <u>370</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0654</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0917</u>
(F) Second Final Flow <u>28</u>	<input checked="" type="checkbox"/> Mileage <u>185</u>	Comments
(G) Final Shut-In <u>309</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2020</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility	Total <u>2560</u>
	Sub Total <u>2210</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67717

Well Name & No. Jean A #2-7 Test No. 6 Date 01/07/2022
 Company Martin Drilling Co, Inc Elevation 3107 KB 3102 GL
 Address Wichita, Ks
 Co. Rep / Geo. Wes Hansen Rig Martin 110
 Location: Sec. Z Twp 1s Rge. 37w Co. Cheyenne State Ks

Interval Tested 4412 - 4470 Zone Tested Ft Scott
 Anchor Length 58' Drill Pipe Run 4166 Mud Wt. 9.3
 Top Packer Depth 4407 Drill Collars Run 118 Vis 55
 Bottom Packer Depth 4412 Wt. Pipe Run 0 WL 5.8
 Total Depth 4470 Chlorides 1200 ppm System LCM 2#
 Blow Description IF 1 1/4" blow
ISF No return
FF 1/4" blow
FST No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUD</u>			<u>100%</u>	
	<u>oil spots</u>				

Rec Total 15 BHT 130 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2191</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>0115</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0242</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0610</u>
(D) Initial Shut-In <u>579</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0910</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1143</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>148rt 185</u>	Comments
(G) Final Shut-In <u>489</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2195</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> EM Tool <u>350</u>
	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Shale Packer <u>365</u>
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Accessibility	Sub Total <u>715</u>
Final Shut-In <u>60</u>	Sub Total <u>2210</u>	Total <u>2925</u>
		MP/DST Disc't

Approved By _____ Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68554

Well Name & No. Jean 'A' #2-7 Test No. 7 Date 1/9/22
 Company Murfin Drilling Co Inc Elevation 3106 KB 3101 GL
 Address 250 N Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Wes Hansen Rig Murfin #110
 Location: Sec. 7 Twp 15 Rge. 37W Co. Cheyenne State KS

Interval Tested 4450-4486 Zone Tested Fort Scott
 Anchor Length 36' (149' tail) Drill Pipe Run 4337 Mud Wt. 9.1
 Top Packer Depth 4445-4450 Drill Collars Run 118 Vis 53
 Bottom Packer Depth 4486 Wt. Pipe Run _____ WL 7.2
 Total Depth 4635 Chlorides 1100 ppm System LCM 2

Blow Description IF: Weak surface blow, died right away
IS: No blow back
FF: No blow
FSF: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>1600</u>		<u>5</u>	<u>95</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 134 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2189.60 Test 1450 T-On Location 15:00
 (B) First Initial Flow 16.73 Jars 250 T-Started 16:45
 (C) First Final Flow 19.24 Safety Joint 75 T-Open 19:15
 (D) Initial Shut-In 784.40 Circ Sub _____ T-Pulled 23:05
 (E) Second Initial Flow 21.45 Hourly Standby _____ T-Out 01:25
 (F) Second Final Flow 26.54 Mileage 146RT 185 Comments _____
 (G) Final Shut-In 597.87 Sampler _____
 (H) Final Hydrostatic 2048.52 Straddle 600 EM Tool 350
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 Sub Total 2810 Total 3160
 MP/DST Diset _____

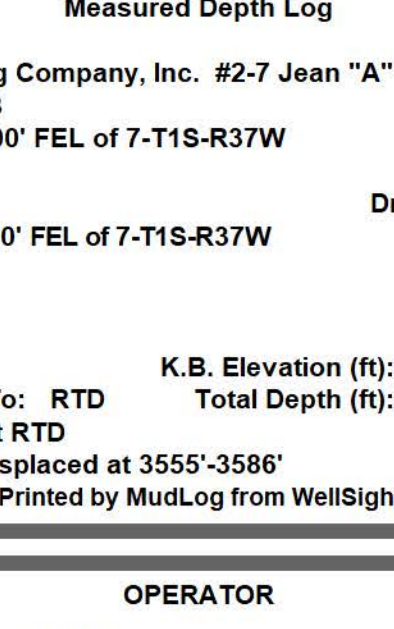
Approved By _____ Our Representative [Signature]

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WESLEY D. HANSEN Consulting Petroleum Geologist
 212 N. Market, Suite 257, Wichita, KS 67202
 Cellular 316.772.6188
 w Hansen4651@bcgglobal.net

KAGS #799479
Kansas License #418



Well Name: Murfin Drilling Company, Inc. #2-7 Jean "A"
API: 15-023-24563
Location: 600' FSL, 2100' FEL of 7-T1S-R37W
License Number: 30606
Spud Date: 12-30-2021
Surface Coordinates: 600' FSL, 2100' FEL of 7-T1S-R37W
Region: Cheyenne County, KS
Completed: 1-10-2022

Bottom Hole Coordinates: Vertical hole
Ground Elevation (ft): 3101' To: **K.B. Elevation (ft):** 3106'
Logged Interval (ft): 3730' To: **Total Depth (ft):** 4635'
Formation: Cherokee at RTD
Type of Drilling Fluid: Chemical - displaced at 3555'-3586'

Printed by MudLog from WellSight Systems 1-800-447-5534 www.WellSight.com

OPERATOR

Company: Murfin Drilling Co., Inc.
Address: 250 N. Water Suite 300 Wichita, KS 67202

GEOLOGIST

Name: Wesley D. Hansen
Company: Wesley D. Hansen - Consulting Petroleum Geologist
Address: 212 N. Market, Suite 257 Wichita, KS 67202 Cellular: 316-772-6188

COMMENTS

Contractor: Murfin Drilling Co., Inc. Rig #110
Pusher: Ricky Higgers
Surface Casing: 8 5/8" set at 324' w/300sx
Production Casing: P&A
Mud by: Morgan Mud - Cade and Dave Lines were the engineers.
DSTs by: Triobite - Brad Walters and Nathan Anas were the testers.
Logs by: Midwest Wireline: DL, C/NLCDL, MEL, BCAS; Tim Marlin was the engineer
Deviation Surveys: 1/2 deg. @324'; 3/4 deg. @1327'; 1.5 deg. @4120'; 1 deg. @4635'

BIT RECORD

Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on Bit
1	12 1/4"	Smith	tooth	324'	324'	2 3/4
2	7 7/8"	Smith	PDC	3700'	337'	2 3/4
3	7 7/8"	Smith	F-27	4635'	935'	48 1/4

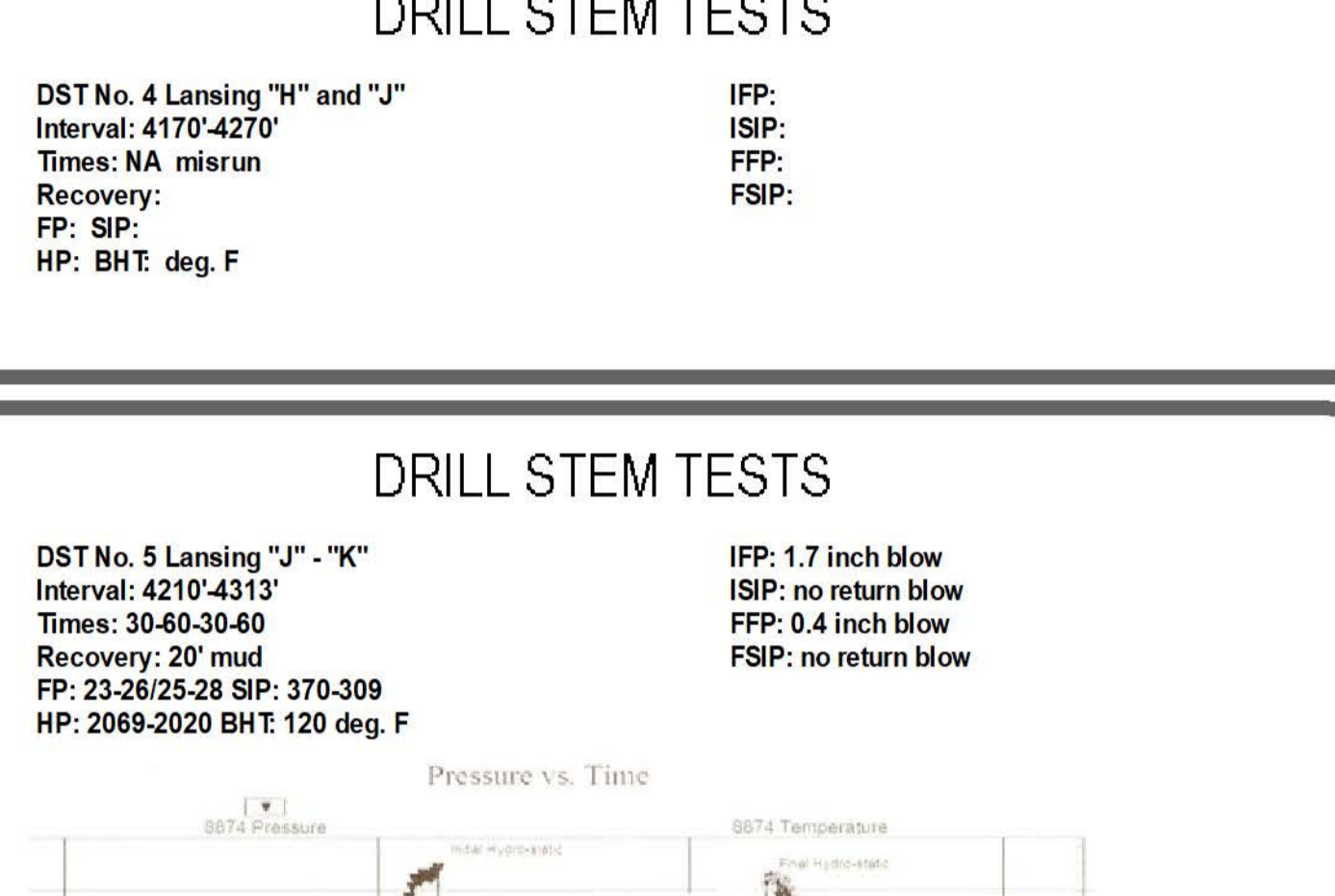
FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	DEPTH TOPS		LOG TOPS		COMPARISON WELL	
	Depth	Datum	Depth	Datum	MCDI Jean "A"	1-7 1320' FSL, 330' FEL Sec. 7-1S-37W 3168' KB
Anhydrite	bad pick		3074'	+32	-16	
B/Anhydrite	bad pick		3106'	0	-16	
Topoka	3881'	-755	3801'	-754	-29	
Oread	3994'	-888	3993'	-887	-26	
Lansing	4070'	-964	4069'	-963	-23	
Stark Shale	4292'	-1186	4290'	-1184	-26	
Mound City	4345'	-1239	4346'	-1240	-26	
Fort Scott	4468'	-1362	4468'	-1362	-27	
Oakley	4555'	-1449	4554'	-1448	-29	
RTD	4635'	-1529				
LTD			4629'	-1523		

DRILL STEM TESTS

DST No. 1 Lansing "A" - "D"
 Interval: 4120'-4170'
 Times: 30:40-30:40
 Recovery: 350' MCV w/oil spots
 FP: 22-92/38-43 SIP: 1198-1365
 HP: 1939-1903 BHT: 135 deg. F

IFP: built to 10.6 inches
ISIP: surface return blow
FFP: built to 16.5 inches in 33 minutes
FSIP: surface return blow



DRILL STEM TESTS

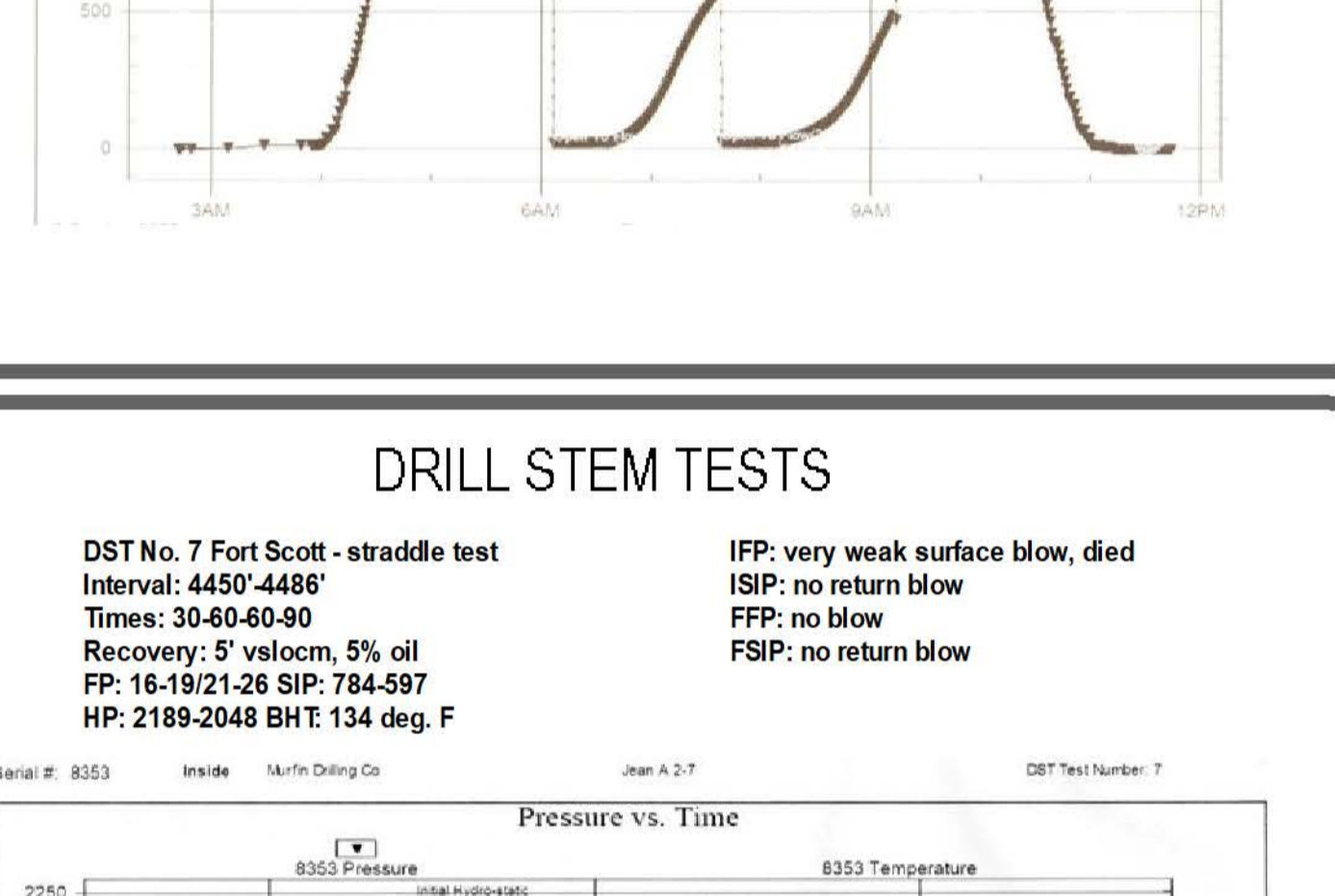
DST No. 2 Lansing "G"
 Interval: 4170'-4180'
 Times: NA Slow packer seat failure
 Recovery:
 FP: SIP:
 HP: BHT: deg. F

IFP:
ISIP:
FFP:
FSIP:

DRILL STEM TESTS

DST No. 3 Lansing "D" - "G"
 Interval: 4009'-4120'
 Times: 30:40-30:40
 Recovery: 60' OCM (50, 95m)
 FP: 25-33/38-43 SIP: 1158-1102
 HP: 1985-1948 BHT: 124 deg. F

IFP: built to 2.4 inches
ISIP: surface return
FFP: 0.25 inch blow
FSIP: no return



DRILL STEM TESTS

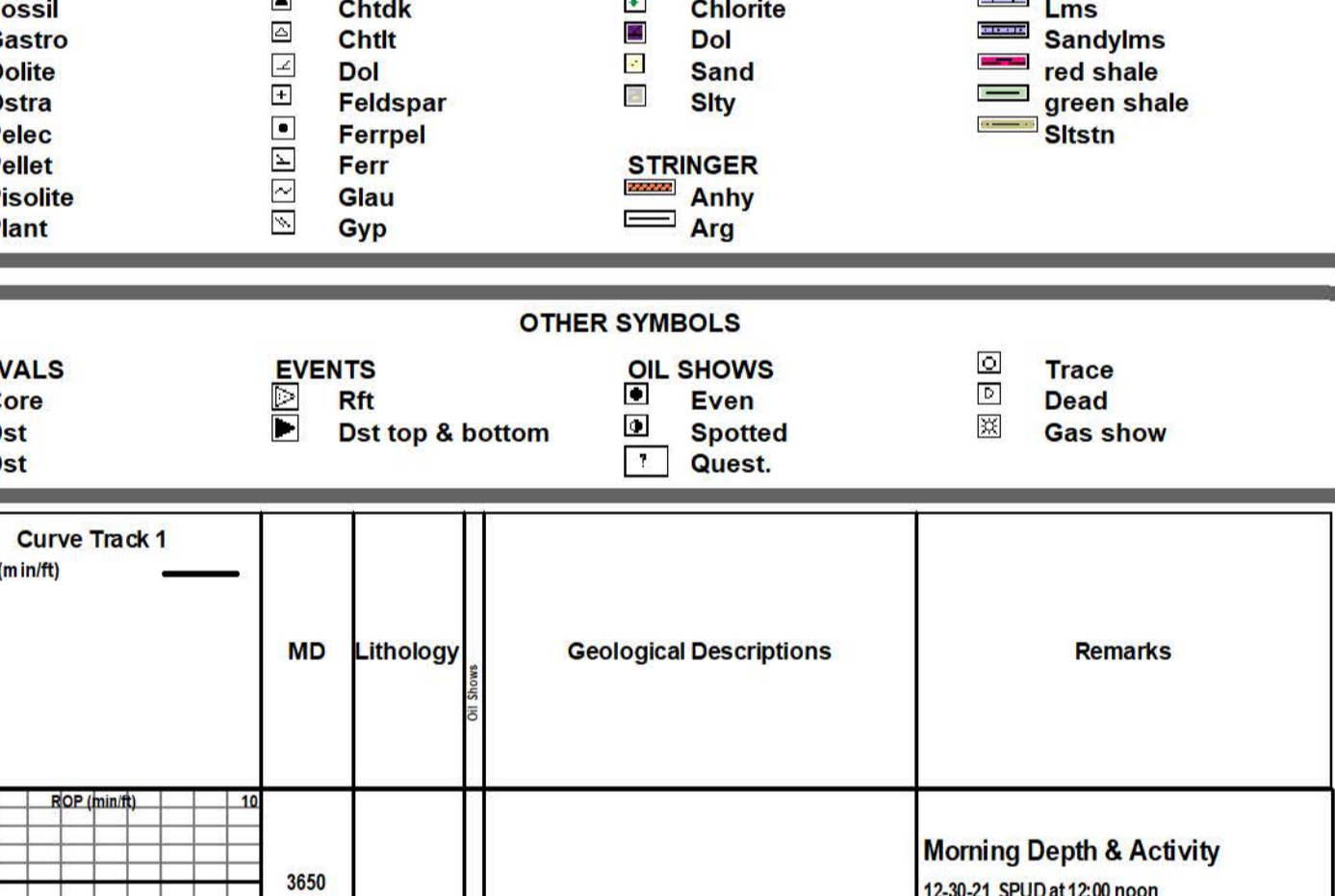
DST No. 4 Lansing "H" and "J"
 Interval: 4170'-4270'
 Times: NA misrun
 Recovery:
 FP: SIP:
 HP: BHT: deg. F

IFP:
ISIP:
FFP:
FSIP:

DRILL STEM TESTS

DST No. 5 Lansing "J" - "K"
 Interval: 4210'-4313'
 Times: 30:40-30:40
 Recovery: 20' mud
 FP: 23-28/25-28 SIP: 370-309
 HP: 2069-2028 BHT: 130 deg. F

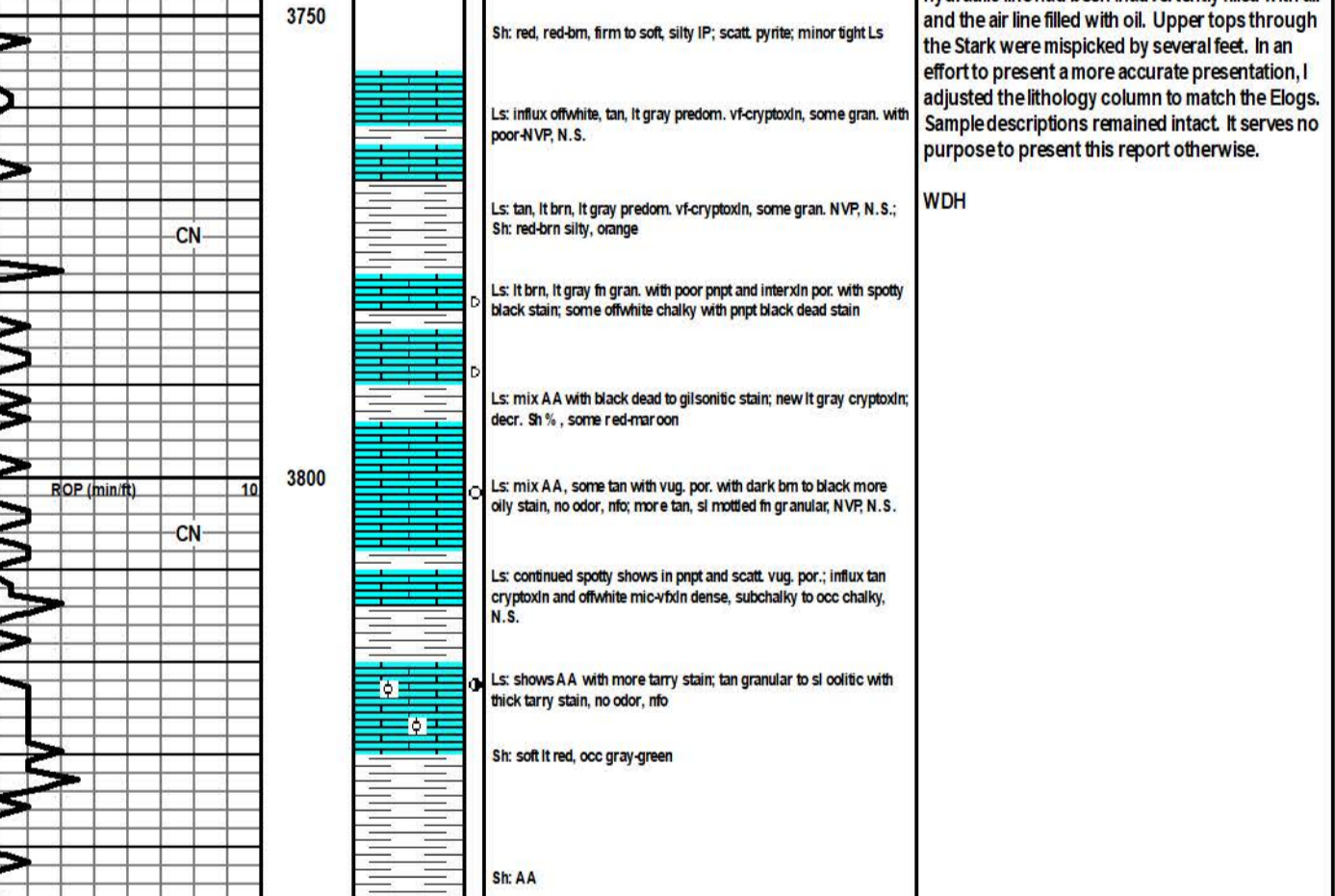
IFP: 1.7 inch blow
ISIP: no return blow
FFP: 0.4 inch blow
FSIP: no return blow



DRILL STEM TESTS

DST No. 6 Fort Scott
 Interval: 4412'-4470'
 Times: 30:40-30:40
 Recovery: 15' mud w/oil spots
 FP: 17-29/21-23 SIP: 579-489
 HP: 2191-2195 BHT: 130 deg. F

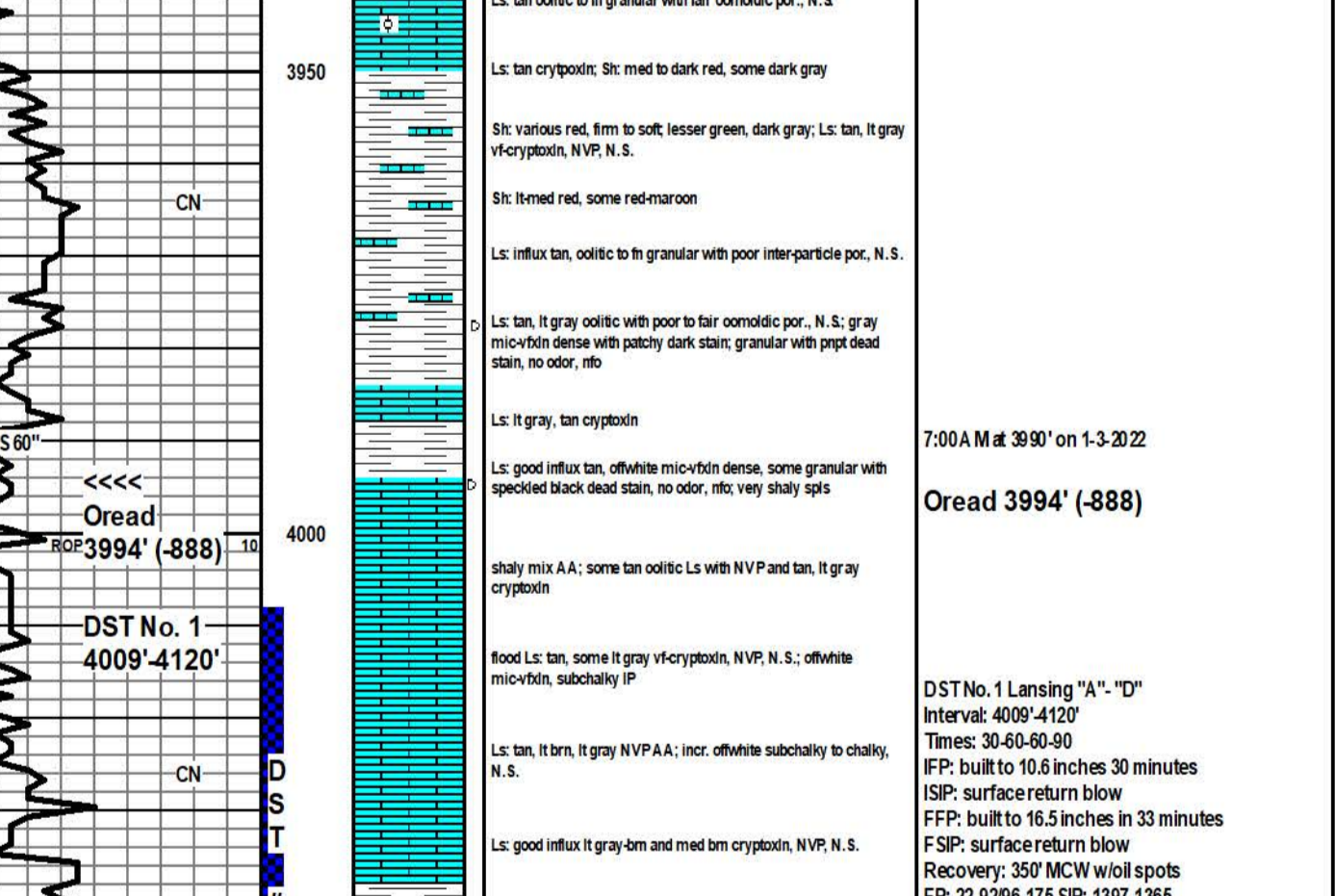
IFP: 1.25 inch blow
ISIP: no return blow
FFP: 0.25 inch blow
FSIP: no return blow



DRILL STEM TESTS

DST No. 7 Fort Scott - straddle test
 Interval: 4450'-4486'
 Times: 30:40-30:40
 Recovery: 5' vsolcm, 5% oil
 FP: 16-19/21-26 SIP: 784-587
 HP: 2189-2048 BHT: 134 deg. F

IFP: very weak surface blow, died
ISIP: no return blow
FFP: no return blow
FSIP: no return blow



ROCK TYPES

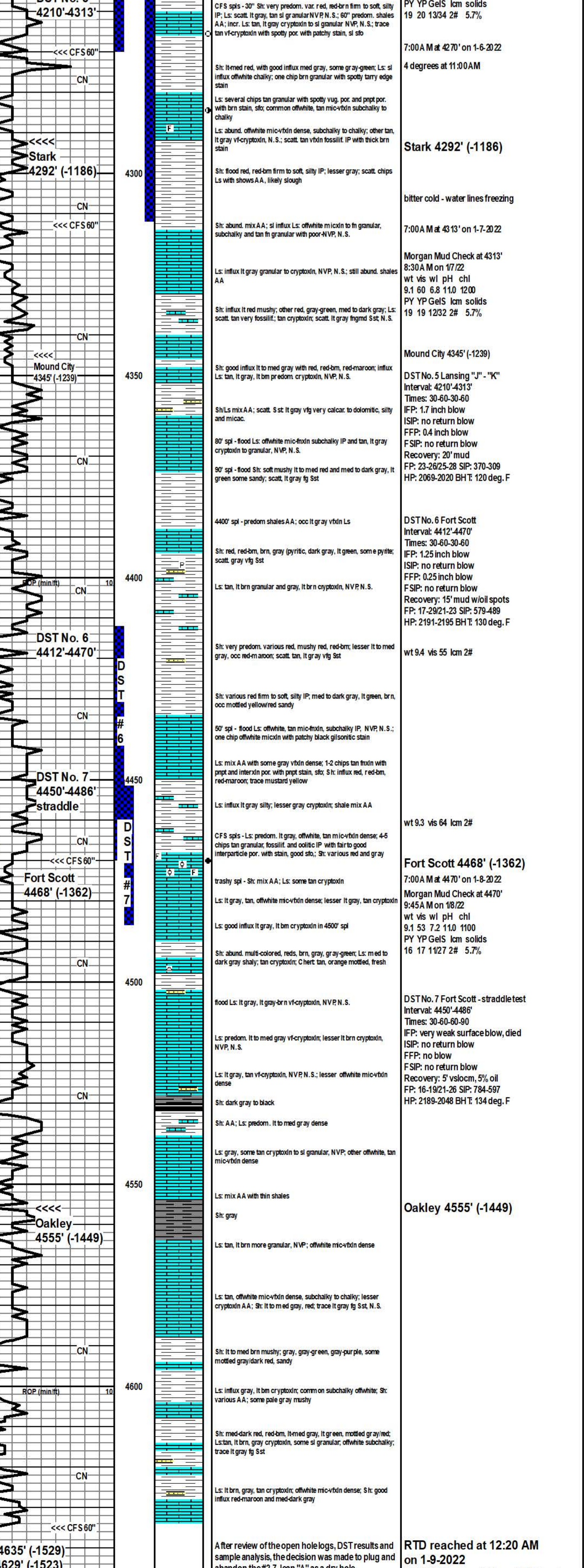
Congl	Salt	Carb sh	Ststns
Igne	Siltst	Dol	Shlyts
Brach	Arggn	Dud	Shly/siltshale
Bryozoa	Shcol	Grayshale	Shly dol
Coal	Siltstone	Sandyshale	Shaly ls
Congl	red sst	Redshale	Dolomite
Gyp	Sst	Greenshale	

ACCESSORIES

FOSSIL	Strom	Hyrmin	Bent
Algae	Fuss	Kaol	Coal
Amph	Oomold	Marl	Dol
Belm	MINERAL	Mixl	Gyp
Bioclst	Anhy	Phos	Lst
Ceph	Arggn	Pyr	Mrs
Cephal	Arg	Salt	Ssstrg
Crin	Bent	Sandy	Carstrg
Echin	Brcfrag	Silt	Clystrn
Fish	Calc	Sulphur	Dol
Foram	Carb	Sulphur	Gryst
Fossil	Chtdk	Cluff	Grystl
Gastro	Chtt	Dol	Sandyls
Oolite	Dol	Sand	red shale
Ostra	Feldspar	STRY	green shale
Pelec	Ferrel	SILY	stlnstn
Pisolite	Glau	Arg	
Plant	Gyp		

OTHER SYMBOLS

INTERVALS	EVENTS	OIL SHOWS	Trace
Core	Rft	Spot	Dred
Dst	Dst top & bottom	Spotted	Gas show



RTD reached at 12:20 AM on 1-9-2022. Decision made to P&A

Finished DST No. 7 at 2:30 AM on 1-10-2022. Decision made to P&A

Wesley D. Hansen
 Petroleum Geologist
 Kansas License No. 418

MDCI
 Jean 'A' #2-7
 600' FSL 2100' FEL
 Sec. 7-T1S-R37W
 3106' KB

Formation	Sample top	Datum	Ref	Log Top	Datum	Ref
Anhydrite	3053	+53	+5	3074	+32	-16
B/Anhydrite	3088	+18	+2	3106	0	-16
Topeka	3836	-729	-4	3860	-754	-29
Oread	3970	-863	-2	3993	-887	-26
Lansing	4051	-944	-4	4069	-963	-23
Stark	4266	-1160	-2	4290	-1184	-26
Mound City				4346	-1240	-26
Ft Scott	4435	-1329	+6	4468	-1362	-27
Oakley	4529	-1423	-3	4555	-1449	-29
RTD	4635					
LTD				4629		