

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	SCHROEDER 35 3-35
Doc ID	1636199

All Electric Logs Run

DIL
DUCP
MEL
BHCS

GEOLOGIST'S REPORT

OPERATOR **MURFIN DRILLING COMP. INC.**

LEASE **SCHROEDER35 #3-35**

LOCATION **2100' FNL 1320' FEL**

SEC. **35** TWSP **6S** RGE **28W**

COUNTY **SHERIDAN** STATE **KANSAS**

FIELD **REJUVINATION**

CONTRACTOR **MURFIN DRILLING CO. INC. RIG NO. #3**

COMMENCED **Jan 27, 2022** COMPLETED **Feb 5, 2022**

MUD DISPLACED **3208** MUD TYPE **CHEMICAL**

DRILLING TIME KEPT FROM **3530** TO **4200**

SAMPLES SAVED FROM **3530** TO **4200**

SAMPLES EXAMINED FROM **3530** TO **4200**

GEOLOGICAL SUPERVISION FROM **3300** TO **4200**

GEOLOGIST ON WELL **STEPHEN J MILLER**

FORMATION NAME

LOG TOP DATUM

SAMPLE TOP DATUM

ANHYDRITE

B/ ANHYDRITE

TOPEKA

OREAD

HEEBNER

TORONTO

LANSING

STARK SHALE

MOUND CITY

ELEVATIONS

KB **2708'**

GL **2703**

ALL MEASUREMENTS FROM K.B.

CASING RECORD

Conductor

Surface **8 5/8" @ 370'**

Production **5 1/2" @ 4198'**

ELECTRICAL SURVEYS:

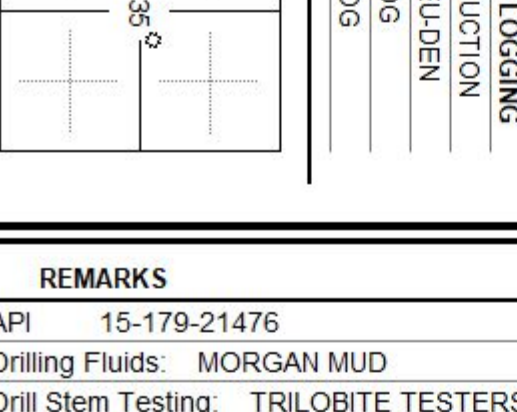
MIDWEST LOGGING

DUAL INDUCTION

COMP NEULDEN

SONIC LOG

MICRO LOG



REMARKS
API 15-179-21476
Drilling Fluids: MORGAN MUD
Drill Stem Testing: TRILOBITE TESTERS
Gas Trailer: NONE
Reserve Pit Chlorides: 1200 400bbl

DRILL TIME (MIN/FT)	DEPTH	LITHOLOGY	SHOWS	SAMPLE DESCRIPTIONS	REMARKS
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	3500			Shale gray dk gray	
				Limestone crm f-xln fos s li chalky	
				Shale gray blocky silty	
				Limestone tan f-xln fos s li chalky scat fos-cast por NS	
				Shale gray green	
				Limestone tan crm f-xln sli fos chalky	
				Shale gray brn silty soft	
				Limestone tan f-xln sli fos dense	
				Shale gray sli sandy soft	
				Limestone crm tan f-xln fos chalky	
				Shale brown gray sli sandy	
				Limestone crm f-xln fos dense	
				Shale brn green gray	
				Limestone crm tan f-xln fos sli chalky	Topeka Lime
					3637 -929
				Limestone lt gray f-xln sli fos dense	
				Sandstone lt gray vf grain friable no vis por NS	
				Shale brn gray silty	
				Limestone crm tan f-xln fos sli ool chalky	
				Limestone tan f-xln sli fos dense	
				Sandstone gray vf-f grain friable no vis por NS	
				Limestone crm f-xln sli fos sli chalky dense	
				Shale brn gray sli silty	
				Limestone crm tan f-xln sli fos dense	
				Shale dk gray carb	Oread Lime
				Limestone tan f-xln fos ool gd inter-fos & inter-ool por FSFO gd odor fair brn stain	3802-1094
				Limestone tan f-xln fos sli chalky	DST #1 3790-3825 30-60-30-60 1st blow 2 1/4in-2nd blow 3 1/2in Rec 86' WCM/trace oil 124' MCW/trace oil FP 18-72# 75-111# SIP 1195-1181#
				Limestone gray f-xln sli fos chalky dense w/ chert gray fresh	Heebner Shale
				Shale black carb	3841-1133
				Shale gray brn softs sli silty pyritic	
				Limestone gray f-xln v fos chalky no vis por NS	Toronto Lime
				Shale brn red gray	3866-1158
				Limestone gray wht f-xln fos ool chalky dense	Lansing Lime
				Shale brn grn sli sandy soft	3882-1174
				Limestone lt gray f-xln fos ool f-gd int fos&ool por GSFO far odor f brn stain	DST #2 3896-3918 30-60-60-90 1st blow BOB 11"-2nd blow BOB 23" Rec 290' GIP 195' CGO 81% oil 19% gas 80' 6 SOCWM 7% oil 375' SMCW FP 29-159# 165-293# SIP 836-826#
				Shale gry brn silty soft	
				Limestone lt gray crm fs-ln sli fos chalky NS	DST #3 3957-4012 30-60-15-60 1st blow BOB 1 3/4"-2nd blow BOB 2 1/2" Rec 60' GIP 315 MCW/trace oil 1130' SMCW FP 117-538# 529-68 t# SIP 1179-1181#
				Shale brn grn pyritic	
				Limestone crm f-xln sli fos chalky	
				Shale grn gray silty	
				Limestone tan f-xln p int-xln por scat fos-cast por VSSFO fair odor sct brn stain	DST #4 4010-4045 30-60-60-90 1st blow BOB 13/4"-2nd blow 2 Rec 60' GIP 1' CO 124' MO 50% oil FP 20-40# 42-75# SIP 1203-1184#
				Limestone crm f-xln fos ool p-f int-fos&ool por VSSFO fair odor spotted brn stain	
				Shale brn red grn soft	Stark Shale
				Limestone crm f-xln sli fos sli ool p int-ool por f vug por SSFO fair odor	4050-1342
				Shale red brn silty soft	
				Limestone tan f-xln v fos f int-fos por VSSFO(waxy) faint odor scats potted stain	
				Shale dk gray black carb	
				Shale red brn silty soft	
				Limestone crm lt gray f-xln fos chalky no vis por NS	
				Shale gray grn silty	
				Limestone crm gray f-xln fos chalky	
				Shale red gry sandy	Mound City
				Shale brn sandy soft	4094-1386
				Limestone lt gray crm f-xln sli fos chalky	
				Shale grn brn gry silty	
				Shale grn red sandy soft	
				Limestone gry crm f-xln sli fos chalky	
				Shale brn grn gray sandy soft	
				Limestone lt gray f-xln sli chalky sli sandy	
				Shale maroon gray sandy soft	
				Limestone gray f-xln sli fos dense	TOTAL DEPTH

Operator: **MURFIN DRILLING COMP. INC.**
 Lease: **SCHROEDER35 #3-35**
 Location: **2100' FNL 1320' FEL** SEC. **35** TWSP **6S** RGE **28W**
 County: **SHERIDAN** State: **KANSAS**



DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Steve Miller

Schroeder 35 #3-35

35-6s-28w Sheridan,KS

Start Date: 2022.01.31 @ 07:38:00

End Date: 2022.01.31 @ 16:26:35

Job Ticket #: 68613 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.02.04 @ 09:41:49

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

Schroeder 35 #3-35

DST # 1

Oread

2022.01.31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

ATTN: Steve Miller

Job Ticket: 68613

DST#: 1

Test Start: 2022.01.31 @ 07:38:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:01:21

Time Test Ended: 16:26:35

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 73

Interval: 3790.00 ft (KB) To 3825.00 ft (KB) (TVD)

Reference Elevations: 2708.00 ft (KB)

Total Depth: 3825.00 ft (KB) (TVD)

2703.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 110.62 psig @ 3791.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.31

End Date:

2022.01.31

Last Calib.:

2022.01.31

Start Time:

07:38:01

End Time:

16:26:35

Time On Btm:

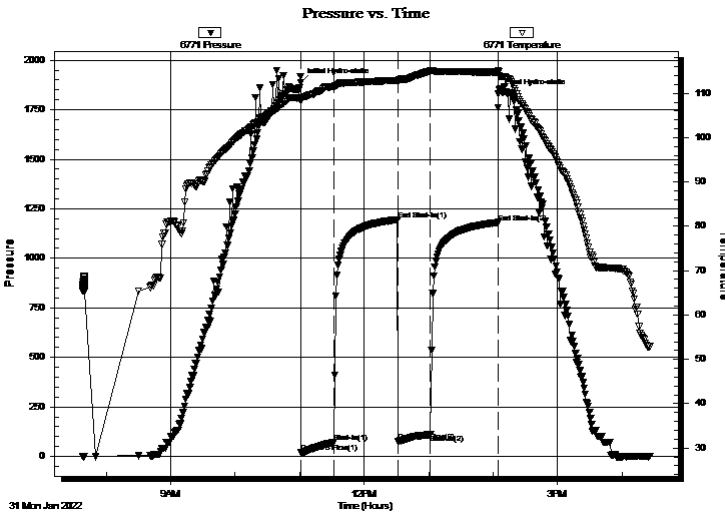
2022.01.31 @ 11:01:06

Time Off Btm:

2022.01.31 @ 14:05:06

TEST COMMENT: 30 - IF: Blow built to 2 1/4"
60 - IS: No blow back
30 - FF: Blow built to 3 1/2"
60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1888.01	109.07	Initial Hydro-static
1	18.49	108.22	Open To Flow (1)
31	71.91	111.49	Shut-In(1)
91	1195.45	112.94	End Shut-In(1)
91	75.42	112.68	Open To Flow (2)
121	110.62	115.03	Shut-In(2)
184	1181.24	114.81	End Shut-In(2)
184	1832.67	114.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW w/trace oil 75%w, 25%m	0.61
86.00	WCM w/trace oil 71%m, 29%w	0.65

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68613

DST#: 1

ATTN: Steve Miller

Test Start: 2022.01.31 @ 07:38:00

Tool Information

Drill Pipe:	Length: 3590.00 ft	Diameter: 3.80 inches	Volume: 50.36 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 51.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3790.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3758.00	
Shut In Tool	5.00			3763.00	
Hydraulic tool	5.00			3768.00	
Jars	5.00			3773.00	
EM Tool	4.00			3777.00	
Safety Joint	3.00			3780.00	
Packer	5.00			3785.00	33.00 Bottom Of Top Packer
Packer	5.00			3790.00	
Stubb	1.00			3791.00	
Recorder	0.00	6771	Inside	3791.00	
Recorder	0.00	8367	Outside	3791.00	
Perforations	31.00			3822.00	
Bullnose	3.00			3825.00	35.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68613

DST#: 1

ATTN: Steve Miller

Test Start: 2022.01.31 @ 07:38:00

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:

22000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	MCW w /trace oil 75%w , 25%m	0.610
86.00	WCM w /trace oil 71%m, 29%w	0.651

Total Length: 210.00 ft Total Volume: 1.261 bbl

Num Fluid Samples: 0

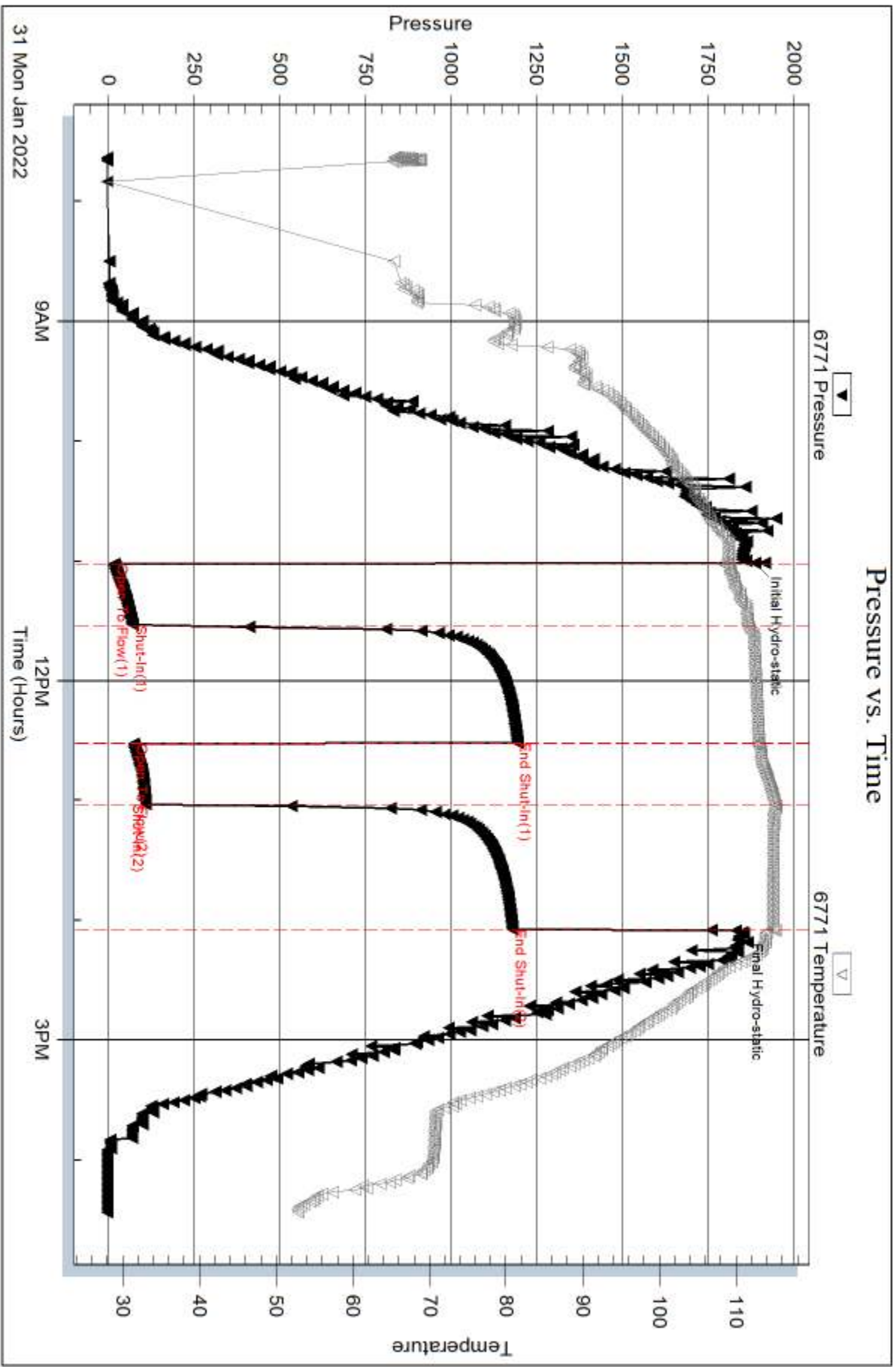
Num Gas Bombs: 0

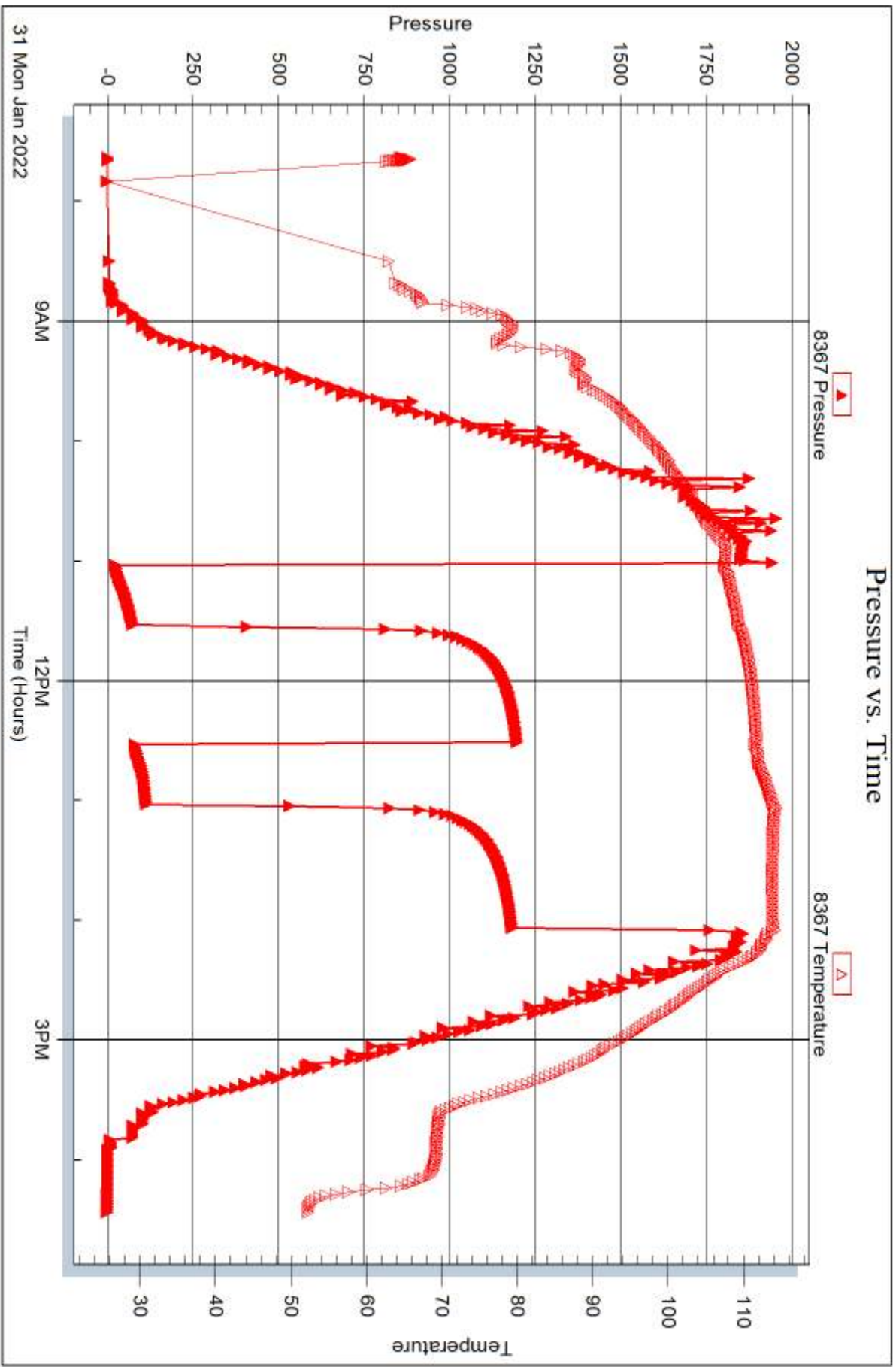
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .379 ohms @ 58 deg F Chlorides = 22,000 ppm







DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Steve Miller

Schroeder 35 #3-35

35-6s-28w Sheridan,KS

Start Date: 2022.02.01 @ 05:16:00

End Date: 2022.02.01 @ 15:05:35

Job Ticket #: 68614 DST #: 2

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

Printed: 2022.02.04 @ 09:41:03

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

Schroeder 35 #3-35

DST # 2

LKC "B"

2022.02.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68614

DST#: 2

ATTN: Steve Miller

Test Start: 2022.02.01 @ 05:16:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:43:21

Time Test Ended: 15:05:35

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 3896.00 ft (KB) To 3918.00 ft (KB) (TVD)

Reference Elevations: 2708.00 ft (KB)

Total Depth: 3918.00 ft (KB) (TVD)

2703.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 293.31 psig @ 3897.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.01

End Date: 2022.02.01

Last Calib.: 2022.02.01

Start Time: 05:16:01

End Time: 15:05:35

Time On Btm: 2022.02.01 @ 07:43:06

Time Off Btm: 2022.02.01 @ 11:45:21

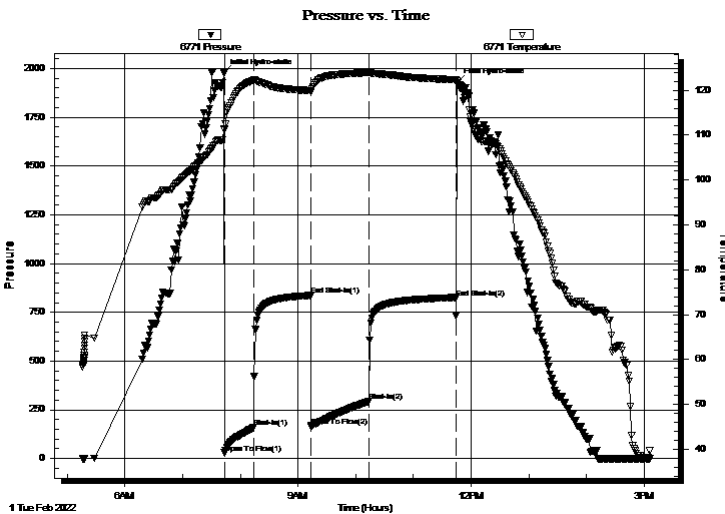
TEST COMMENT: 30 - IF: Blow built to BOB (11") at 12 3/4 min., built to 21 1/4"

60 - IS: Blow back built to 1 1/4" then died back

60 - FF: Blow built to BOB at 23 1/2 min., built to 38 1/2"

90 - FS: Blow back built to 2 1/2" then died back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1976.38	111.46	Initial Hydro-static
1	28.75	111.24	Open To Flow (1)
31	158.89	122.27	Shut-In(1)
90	836.16	119.93	End Shut-In(1)
91	165.34	119.95	Open To Flow (2)
151	293.31	123.91	Shut-In(2)
241	825.51	122.35	End Shut-In(2)
243	1925.05	122.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	SMCW w/oil spots 94%w, 4%m, 2%o	3.58
80.00	SOC/GWM 43%m, 38%w, 12%g, 7%o	1.12
195.00	CGO 81%o, 19%g	2.74
0.00	GIP = 290'	0.00

* 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.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68614

DST#: 2

ATTN: Steve Miller

Test Start: 2022.02.01 @ 05:16:00

Tool Information

Drill Pipe:	Length: 3685.00 ft	Diameter: 3.80 inches	Volume: 51.69 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 52.60 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3896.00 ft			Final	69000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	55.00 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			3864.00	
Shut In Tool	5.00			3869.00	
Hydraulic tool	5.00			3874.00	
Jars	5.00			3879.00	
EM Tool	4.00			3883.00	
Safety Joint	3.00			3886.00	
Packer	5.00			3891.00	33.00 Bottom Of Top Packer
Packer	5.00			3896.00	
Stubb	1.00			3897.00	
Recorder	0.00	6771	Inside	3897.00	
Recorder	0.00	8367	Outside	3897.00	
Perforations	18.00			3915.00	
Bullnose	3.00			3918.00	22.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68614

DST#: 2

ATTN: Steve Miller

Test Start: 2022.02.01 @ 05:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.78 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 bbf
375.00	SMCW w/oil spots 94%w , 4%m, 2%o	3.575
80.00	SOC/GWM 43%m, 38%w , 12%g, 7%o	1.122
195.00	CGO 81%o, 19%g	2.735
0.00	GIP = 290'	0.000

Total Length: 650.00 ft Total Volume: 7.432 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

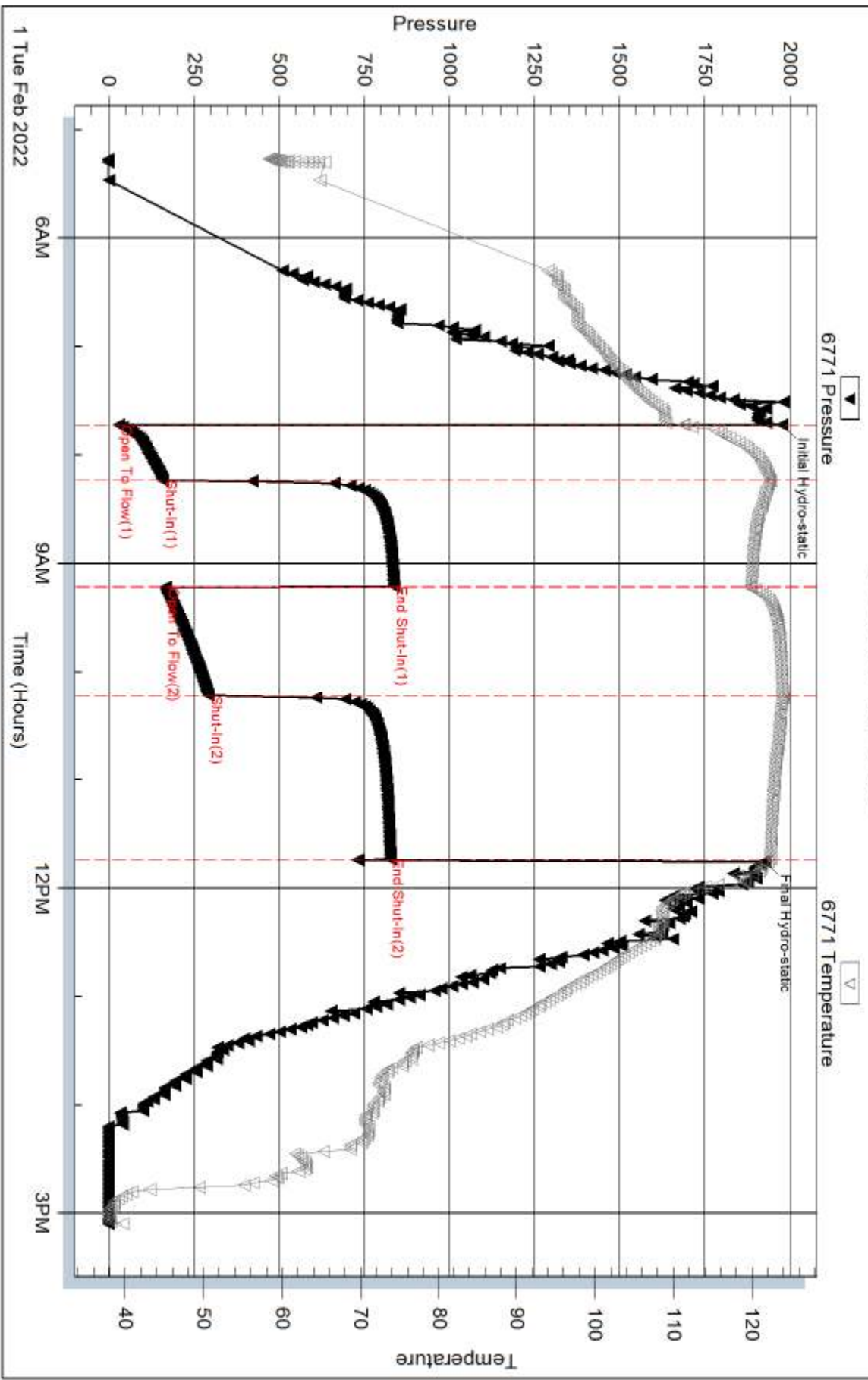
Serial #:

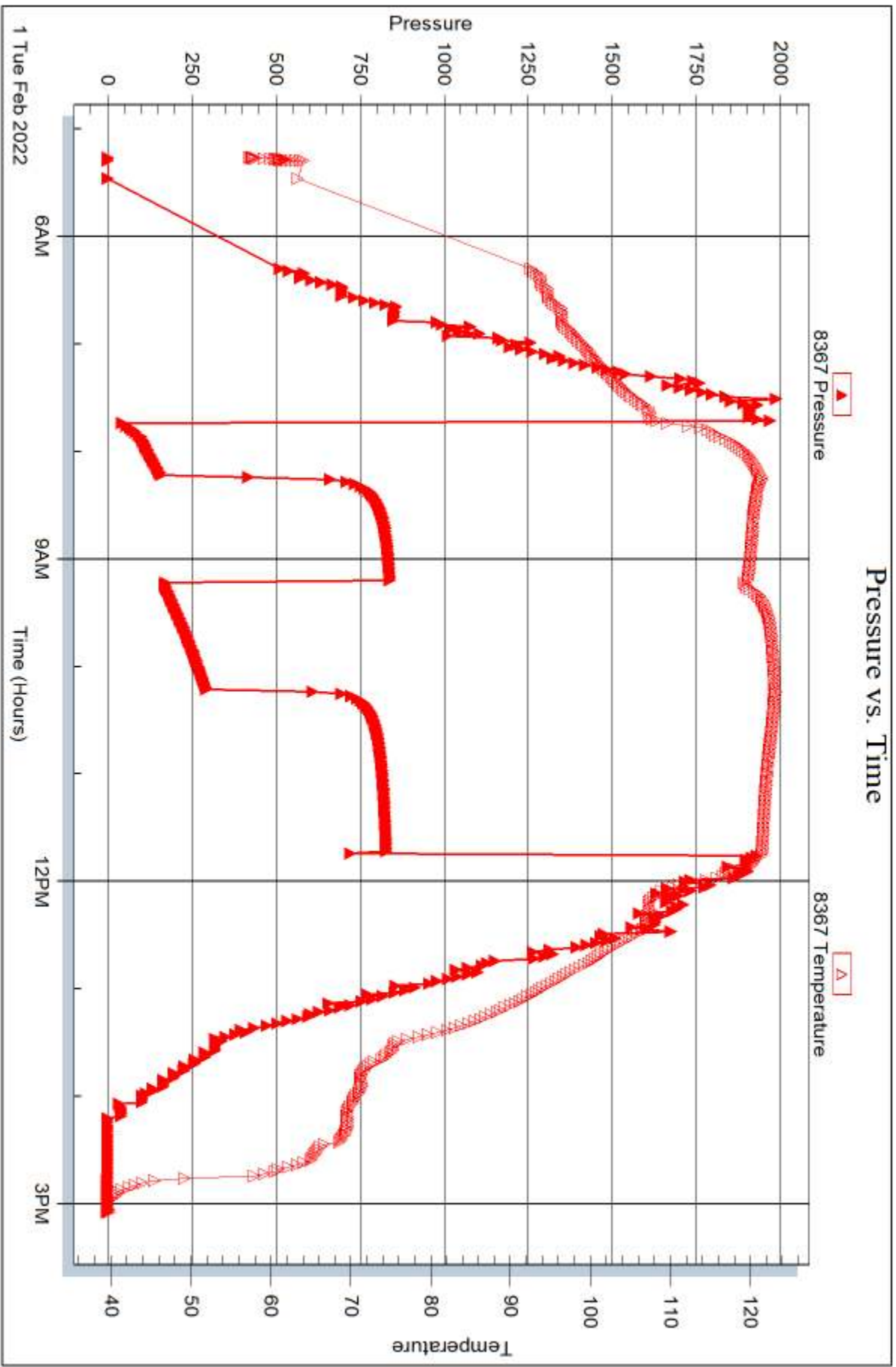
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 32.2 api @ 48 deg F Corrected Gravity = 33.4 api
RW = .394 ohms @ 48 deg F Chlorides = 26,000 ppm

Pressure vs. Time







DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Steve Miller

Schroeder 35 #3-35

35-6s-28w Sheridan,KS

Start Date: 2022.02.02 @ 05:24:00

End Date: 2022.02.02 @ 15:23:50

Job Ticket #: 68615 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.02.04 @ 09:36:31

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

Schroeder 35 #3-35

DST # 3

LKC "G - H"

2022.02.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

ATTN: Steve Miller

Job Ticket: 68615

DST#: 3

Test Start: 2022.02.02 @ 05:24:00

GENERAL INFORMATION:

Formation: **LKC "G - H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:21

Time Test Ended: 15:23:50

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 3957.00 ft (KB) To 4012.00 ft (KB) (TVD)

Reference Elevations: 2708.00 ft (KB)

Total Depth: 4012.00 ft (KB) (TVD)

2703.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 681.06 psig @ 3958.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.02

End Date: 2022.02.02

Last Calib.: 2022.02.02

Start Time: 05:24:01

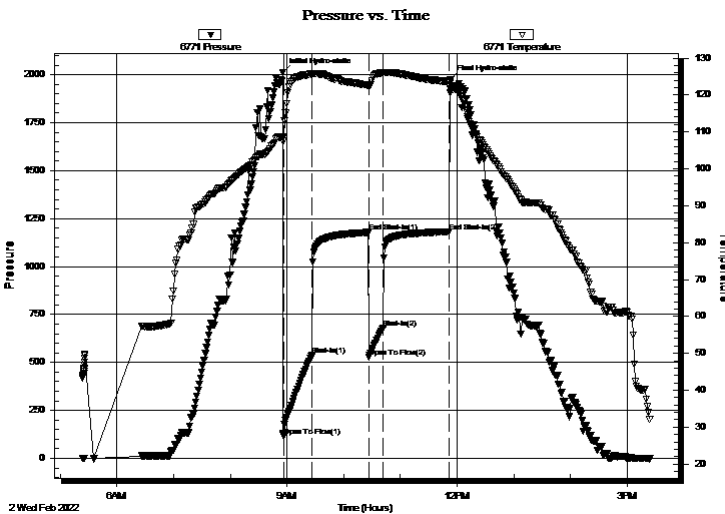
End Time: 15:23:50

Time On Btm: 2022.02.02 @ 08:55:51

Time Off Btm: 2022.02.02 @ 11:52:51

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 1 3/4 min., built to 125 1/2"
60 - IS: Surface blow back, didn't build (Diesel in bucket)
15 - FF: Blow built to BOB at 2 1/2 min., built to 36 3/4"
60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2012.00	108.72	Initial Hydro-static
1	117.39	108.76	Open To Flow (1)
31	537.51	125.66	Shut-In(1)
91	1178.98	122.66	End Shut-In(1)
91	528.68	122.31	Open To Flow (2)
106	681.06	125.99	Shut-In(2)
176	1181.06	123.56	End Shut-In(2)
177	1973.68	121.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1130.00	SMCW w/trace oil 95%w, 5%m	14.17
315.00	MCW w/trace oil 68%w, 30%m, 2%g	4.42
0.00	GIP = less than a stand	0.00

* 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.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68615

DST#: 3

ATTN: Steve Miller

Test Start: 2022.02.02 @ 05:24:00

Tool Information

Drill Pipe:	Length: 3750.00 ft	Diameter: 3.80 inches	Volume: 52.60 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 53.51 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	66000.00 lb
Depth to Top Packer:	3957.00 ft			Final	69000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 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			3925.00	
Shut In Tool	5.00			3930.00	
Hydraulic tool	5.00			3935.00	
Jars	5.00			3940.00	
EM Tool	4.00			3944.00	
Safety Joint	3.00			3947.00	
Packer	5.00			3952.00	33.00 Bottom Of Top Packer
Packer	5.00			3957.00	
Stubb	1.00			3958.00	
Recorder	0.00	6771	Inside	3958.00	
Recorder	0.00	8367	Outside	3958.00	
Perforations	18.00			3976.00	
Blank Spacing	33.00			4009.00	
Bullnose	3.00			4012.00	55.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68615

DST#: 3

ATTN: Steve Miller

Test Start: 2022.02.02 @ 05:24:00

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:

54000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1130.00	SMCW w /trace oil 95%w , 5%m	14.166
315.00	MCW w /trace oil 68%w , 30%m, 2%g	4.419
0.00	GIP = less than a stand	0.000

Total Length: 1445.00 ft Total Volume: 18.585 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

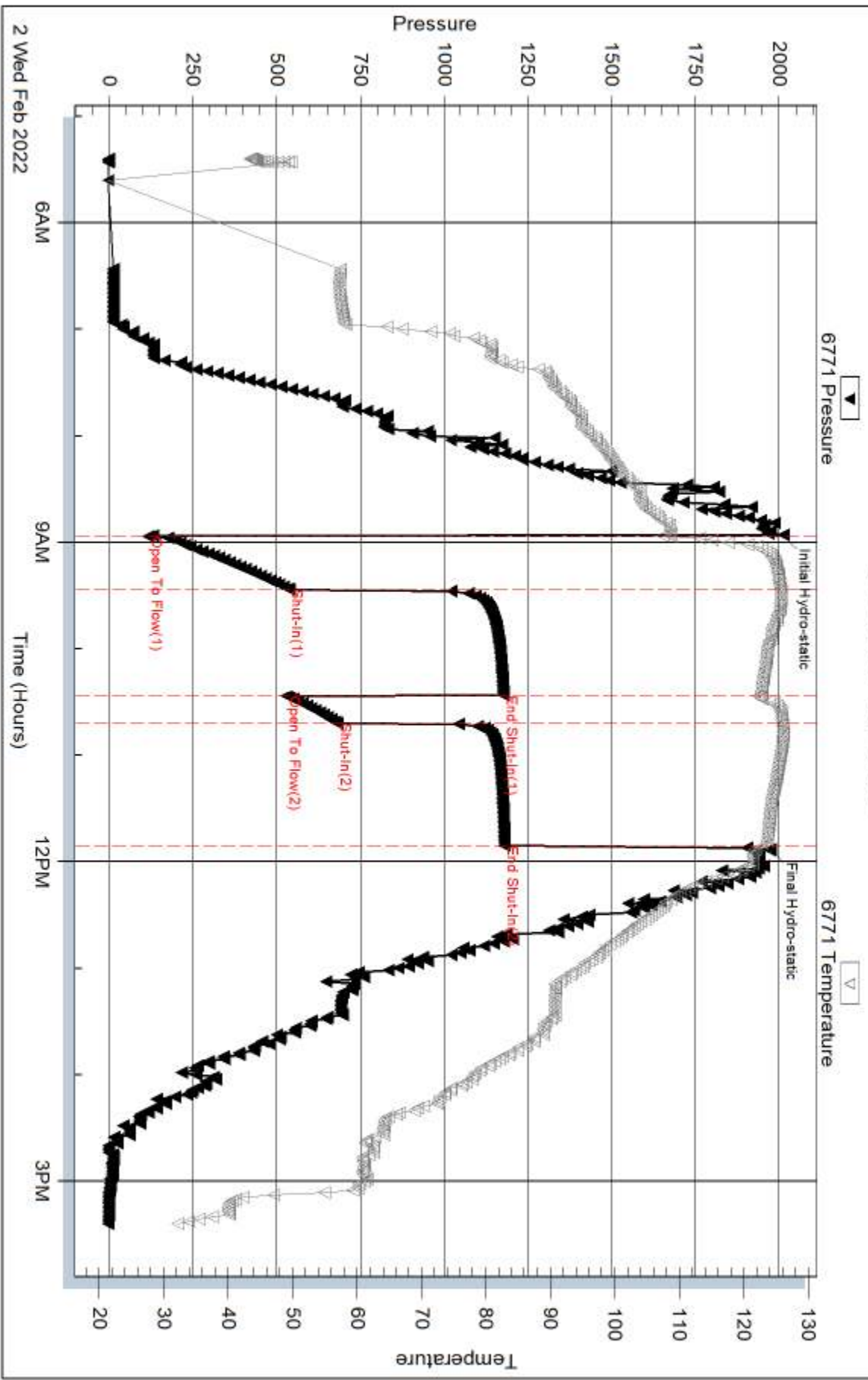
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .139 ohms @ 72.8 deg F Chlorides = 54,000 ppm
H2S Gas present

Pressure vs. Time





DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Steve Miller

Schroeder 35 #3-35

35-6s-28w Sheridan,KS

Start Date: 2022.02.03 @ 00:35:00

End Date: 2022.02.03 @ 10:44:35

Job Ticket #: 68616 DST #: 4

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

Printed: 2022.02.04 @ 09:35:51

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

Schroeder 35 #3-35

DST # 4

LKC "J"

2022.02.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

ATTN: Steve Miller

Job Ticket: 68616

DST#: 4

Test Start: 2022.02.03 @ 00:35:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:19:21

Time Test Ended: 10:44:35

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4010.00 ft (KB) To 4045.00 ft (KB) (TVD)

Reference Elevations: 2708.00 ft (KB)

Total Depth: 4045.00 ft (KB) (TVD)

2703.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 75.35 psig @ 4011.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.03

End Date: 2022.02.03

Last Calib.: 2022.02.03

Start Time: 00:35:01

End Time: 10:44:35

Time On Btm: 2022.02.03 @ 03:19:06

Time Off Btm: 2022.02.03 @ 07:23:21

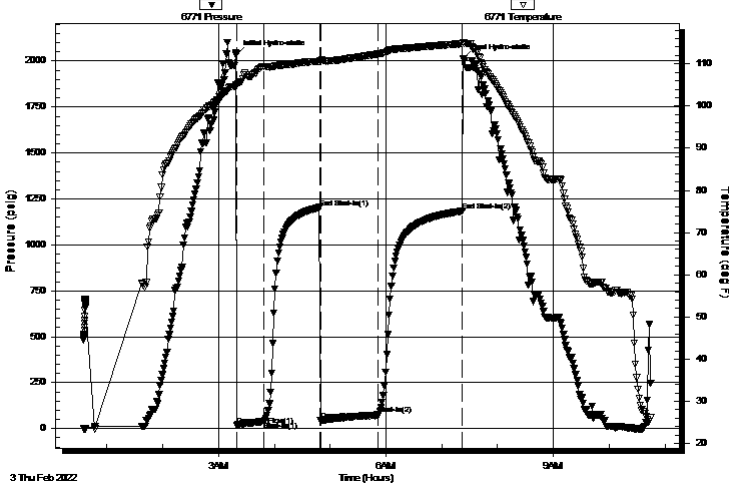
TEST COMMENT: 30 - IF: 1/4" Blow at open, built to 1 3/4" (Diesel in bucket)

60 - IS: No blow back

60 - FF: 1/2" Blow at open, built to 2", died back to 1 1/4"

90 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.89	105.05	Initial Hydro-static
1	19.60	104.89	Open To Flow (1)
30	39.64	109.33	Shut-In(1)
90	1203.35	110.62	End Shut-In(1)
91	42.47	110.80	Open To Flow (2)
153	75.35	112.36	Shut-In(2)
244	1183.89	114.80	End Shut-In(2)
245	2013.42	115.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MO 50%o, 46% m, 4%g	0.61
1.00	Free Oil 100%o	0.00
0.00	GIP = 60'	0.00

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.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68616

DST#: 4

ATTN: Steve Miller

Test Start: 2022.02.03 @ 00:35:00

Tool Information

Drill Pipe:	Length: 3813.00 ft	Diameter: 3.80 inches	Volume: 53.49 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4010.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	68.00 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			3978.00	
Shut In Tool	5.00			3983.00	
Hydraulic tool	5.00			3988.00	
Jars	5.00			3993.00	
EM Tool	4.00			3997.00	
Safety Joint	3.00			4000.00	
Packer	5.00			4005.00	33.00 Bottom Of Top Packer
Packer	5.00			4010.00	
Stubb	1.00			4011.00	
Recorder	0.00	6771	Inside	4011.00	
Recorder	0.00	8367	Outside	4011.00	
Perforations	31.00			4042.00	
Bullnose	3.00			4045.00	35.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

35-6s-28w Sheridan,KS

250 N Water STE 300
Wichita, KS 67202

Schroeder 35 #3-35

Job Ticket: 68616

DST#: 4

ATTN: Steve Miller

Test Start: 2022.02.03 @ 00:35:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MO 50%o, 46%m, 4%g	0.610
1.00	Free Oil 100%o	0.005
0.00	GIP = 60'	0.000

Total Length: 125.00 ft Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

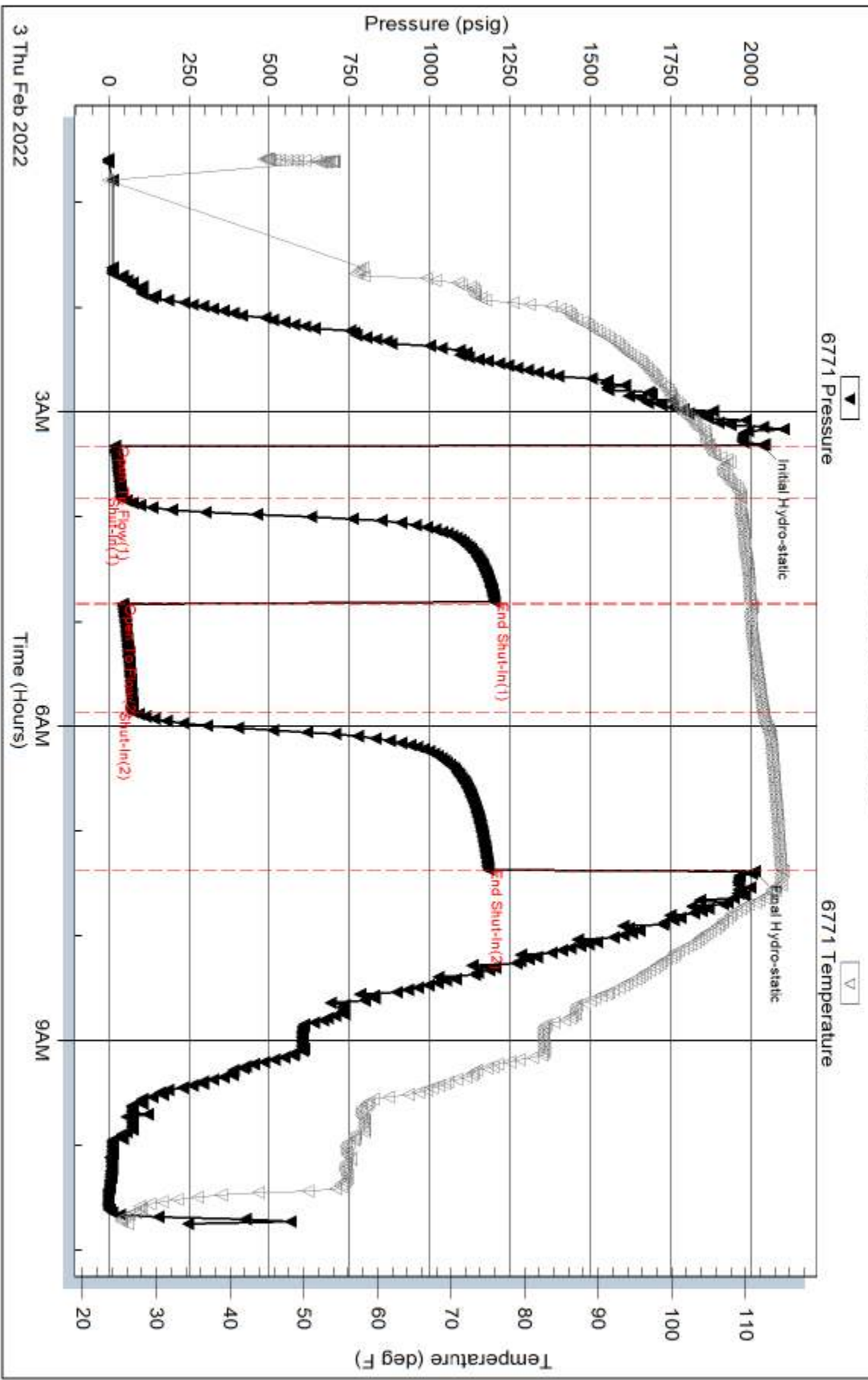
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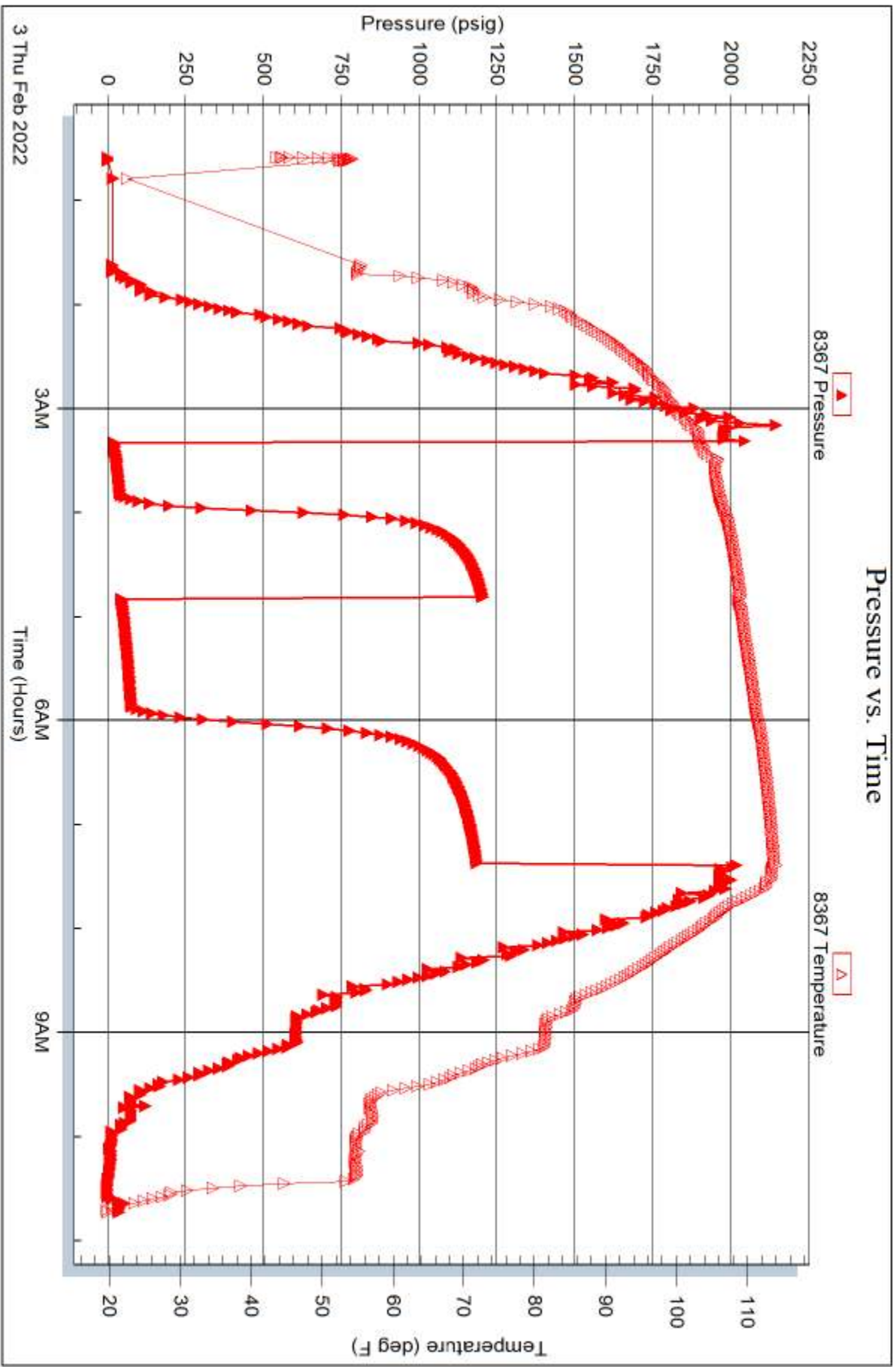
Laboratory Name:

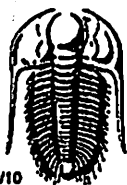
Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68613

Well Name & No. ~~Edwards~~ Schroeder 35 #3-35 Test No. 1 Date 1-31-22
 Company Murfin Drilling Co. Inc Elevation 2708 KB 2703 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Steve Miller Rig Murfin #8
 Location: Sec. 35 Twp 6s Rge. 28w Co. Sheridan State KS

Interval Tested 3790 - 3825 Zone Tested Oread
 Anchor Length 35 Drill Pipe Run 3590 Mud Wt. 9.1
 Top Packer Depth 3785 Drill Collars Run 185 Vis 58
 Bottom Packer Depth 3790 Wt. Pipe Run - WL 6.4
 Total Depth 3825 Chlorides 800 ppm System LCM 6
 Blow Description IF: Blow built to 2 1/4"
ISI: No blowback
FF: Blow built to 3 1/2"
FSI No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>86</u>	<u>MCW w/trace oil</u>	<u>Trace</u>	<u>29</u>	<u>71</u>	
<u>124</u>	<u>MCW w/trace oil</u>	<u>trace</u>	<u>75</u>	<u>25</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 210 BHT 115 Gravity _____ API RW .379 @ 58 °F Chlorides 22000 ppm

- (A) Initial Hydrostatic 1888
- (B) First Initial Flow 18
- (C) First Final Flow 72
- (D) Initial Shut-In 1195
- (E) Second Initial Flow 75
- (F) Second Final Flow 111
- (G) Final Shut-In 1181
- (H) Final Hydrostatic 1833

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 62.5 77.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1702.50

T-On Location 6:40
 T-Started 7:38
 T-Open 11:01
 T-Pulled 14:04
 T-Out 16:25

Comments _____
 EM Tool 350 NS
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1702.50
 MP/DST Disc't _____

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

Approved By [Signature] Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68614

Well Name & No. Schroeder 35 # 3-35 Test No. 2 Date 2-1-22
 Company Murfin Drilling Co, Inc Elevation 2708 KB 2703 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Steve Miller Rig Murfin #8
 Location: Sec. 35 Twp 6s Rge. 28W Co. Sheridan State KS

Interval Tested 3896-3918 Zone Tested LKC "B"
 Anchor Length 22 Drill Pipe Run 3685 Mud Wt. 9.2
 Top Packer Depth 3891 Drill Collars Run 185 Vis 54
 Bottom Packer Depth 3896 Wt. Pipe Run - WL 6.8
 Total Depth 3918 Chlorides 1000 ppm System LCM 6

Blow Description IF: Blow built to BOB (11") at 12 3/4 min, built to 21 1/4"
ISI: Blowback built to 1 1/4" then died back
FF: Blow built to BOB at 23 1/2 min, built to 38 1/2"
FSI: Blowback built to 2 1/2" then died back

Rec	Feet of	%gas	%oil	%water	%mud
<u>195</u>	<u>CGO</u>	<u>19</u>	<u>81</u>	<u>-</u>	<u>-</u>
<u>80</u>	<u>SOCLW</u>	<u>12</u>	<u>7</u>	<u>38</u>	<u>43</u>
<u>375</u>	<u>SMCW w/oil spots</u>	<u>2</u>	<u>94</u>	<u>4</u>	<u>4</u>
<u> </u>	<u>GIP = 290'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec.Total 650 BHT 122 Gravity 33.4 API RW -394 @ 48 °F Chlorides 26,000 ppm

- (A) Initial Hydrostatic 1976
- (B) First Initial Flow 29
- (C) First Final Flow 159
- (D) Initial Shut-In 836
- (E) Second Initial Flow 165
- (F) Second Final Flow 293
- (G) Final Shut-In 826
- (H) Final Hydrostatic 1925

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

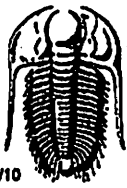
- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 62RT 77.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1702.50

T-On Location 4:10
 T-Started 5:16
 T-Open 7:43
 T-Pulled 11:44
 T-Out 14:50

Comments _____
 EM Tool 350 NS
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1702.50
 MP/DST Disc't _____

Approved By [Signature] Our Representative James Winkler

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68615

Well Name & No. Schroeder 35 #3-35 Test No. 3 Date 2-2-22
 Company Murfin Drilling Co. Inc Elevation 2708 KB 2703 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Steve Miller Rig Murfin #8
 Location: Sec. 35 Twp 6S Rge. 28 W Co. Sheridan State KS

Interval Tested 3957-4012 Zone Tested LKC "G-H"
 Anchor Length 55 Drill Pipe Run 3750 Mud Wt. 9.3
 Top Packer Depth 3952 Drill Collars Run 185 Vis 55
 Bottom Packer Depth 3957 Wt. Pipe Run - WL 6.8
 Total Depth 4012 Chlorides 1500 ppm System LCM 4

Blow Description IF: Blow built to BOB (11") at 1 3/4 min, built to 125 1/2"
ISI: Surface blowback, didn't build (diesel in bucket)
FF: Blow built to BOB at 2 1/2 min, built to 36 3/4"
FST: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>315</u>	<u>mcw w/trace oil</u>	<u>2</u>	<u>trace</u>	<u>68</u>	<u>30</u>
<u>1130</u>	<u>S/MCW w/trace oil</u>	<u>trace</u>	<u>95</u>	<u>5</u>	<u>5</u>
	<u>GIP = less than a stand</u>				

Rec Total 1445 BHT 124 Gravity API RW 0.139 @ 72.8° F Chlorides 54,000 ppm

- (A) Initial Hydrostatic 2012
- (B) First Initial Flow 117
- (C) First Final Flow 538
- (D) Initial Shut-In 1179
- (E) Second Initial Flow 529
- (F) Second Final Flow 681
- (G) Final Shut-In 1181
- (H) Final Hydrostatic 1974

Initial Open 30
 Initial Shut-In 60
 Final Flow 15
 Final Shut-In 60

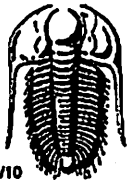
- Test 1450
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 62 RT 77.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1852.50

T-On Location 4:45
 T-Started 5:24
 T-Open 8:56
 T-Pulled 11:51
 T-Out 15:20
 Comments H₂S gas present

EM Tool 350
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 350
 Total 2202.50
 MP/DST Disc't

Approved By [Signature] Our Representative James [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68616

Well Name & No. Schroeder 35 #3-35 Test No. 4 Date 2-3-22
 Company Murfin Drilling Co. Inc Elevation 2708 KB 2703 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Steve Miller Rig Murfin #8
 Location: Sec. 35 Twp 6s Rge. 28w Co. Sheridan State KS

Interval Tested 4010 - 4045 Zone Tested LKC 'J'
 Anchor Length 35 Drill Pipe Run 3813 Mud Wt. 9.3
 Top Packer Depth 4005 Drill Collars Run 185 Vis 55
 Bottom Packer Depth 4010 Wt. Pipe Run - WL 6.8
 Total Depth 4045 Chlorides 1500 ppm System LCM 4

Blow Description IF: 1/4" Blow at open, built to 1 3/4" (diesel in bucket)
ISI: No blowback
FF: 1/2" Blow at open, built to 2", died back to 1/4"
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
1	Free Oil	0	100	0	0
124	MO	4	50	-	46
	GIP=60'				

Rec Total 125 BHT 115 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2037 Test 1450 T-On Location 23:50 7/2
 (B) First Initial Flow 20 Jars 250 T-Started 00:35
 (C) First Final Flow 40 Safety Joint 75 T-Open 3:19
 (D) Initial Shut-In 1203 Circ Sub _____ T-Pulled 7:22
 (E) Second Initial Flow 42 Hourly Standby _____ T-Out 10:40
 (F) Second Final Flow 75 Mileage 62 RTx2 155 Comments _____
 (G) Final Shut-In 1184 Sampler _____
 (H) Final Hydrostatic 2013 Straddle _____ EM Tool 350

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer 335
 Final Flow 60 Extra Copies _____
 Final Shut-In 90 Extra Recorder _____ Sub Total 685
 Day Standby _____ Total 2615
 Accessibility _____ Sub Total 1930 MP/DST Disc't _____

Approved By _____ Our Representative James Winder
 Triobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DRILLING REPORT - LOG TOPS - SCHROEDER 35 3-35

MDCI Schroeder 35 #3-35 2100 FNL 1320 FEL Sec. 35-T6S-R28W 2708' KB

Formation	Sample top	Datum	Ref	Log Top	Datum	Ref
Anhydrite	2444	+264	-3	2446	+262	-5
B/Anhydrite	2479	+229	-4	2478	+230	-3
Topeka	3637	-929	-6	3635	-927	-4
Heebner	3841	-1133	-11	3838	-1130	-8
Toronto	3866	-1158	-6	3866	-1158	-6
Lansing	3882	-1174	-7	3882	-1174	-7
Mound City				4094	-1386	-5
RTD	4200					
LTD				4200		



CEMENT TREATMENT REPORT

Customer: Murfin Drilling	Well: Schroeder 35 # 3-35	Ticket: WP-2379
City, State: Oakley KS	County: Sheridan KS	Date: 2/4/2022
Field Rep: Jason Galli	S-T-R: 35-6S-28W	Service: 2 Stage

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4200 ft
Casing Size:	5 1/2 in
Casing Depth:	4199 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	D.V.
Tool Depth:	2449 ft
Displacement:	157.0 bbls

Calculated Slurry - Lead	
Blend:	H-LD
Weight:	14.8 ppg
Water / Sx:	6.5 gal / sx
Yield:	1.51 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	4199 ft
Annular Volume:	129.7 bbls
Excess:	
Total Slurry:	37.6 bbls
Total Sacks:	140 sx

Calculated Slurry - Tail	
Blend:	H-Con
Weight:	12 ppg
Water / Sx:	15.5 gal / sx
Yield:	2.56 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	2449 ft
Annular Volume:	75.6741 bbls
Excess:	
Total Slurry:	205.2 bbls
Total Sacks:	450 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
6:00p			-	-	Arrival
6:05p				-	Safety meeting
7:30p				-	Run float equipment
8:00p				-	Rig up
10:00p				-	Drop ball
10:00p				-	Circulate for 1 hour
11:26p	4.0	240.0	5.0	5.0	H2O ahead
11:22p	4.9	360.0	12.0	17.0	Super flush
11:26p	5.0	370.0	5.0	22.0	H2O behlde
11:29p	4.5	400.0	37.6	59.6	Mix 140 sks of H-LD @ 14.8 ppg @ 4199'
11:40p				59.6	Wash up pump and lines
11:42p					Drop plug
11:46p	6.5	390.0	40.0		Displace with H2O
11:50p	6.3	410.0	59.0		Displace wth mud
12:03a					Landed plug @ 1100 psi got 1/2 barrel back
12:05a					Drop bomb
					30 minute wait for bomb to reach D.V. tool
12:42a	0.6	800.0	0.8		Open tool with truck at 800 psi
12:45a					Circulate for 1 hour
1:39a	4.2	180.0	5.0		H2O ahead
1:41a	4.5	150.0	11.3		Mix 405 sks of H-Con @ 12 ppg @ 2449'
1:52a	4.5	160.0	9.1		Mix 20 sks of H-Con @ 12 ppg @ Mouse hole
1:57a			182.3		Mix 25 sks of H-Con @ 12 ppg @ Rat hole
2:18a					Wash up pump and llnes
2:20a					Drop plug
2:21a	6.3	1,600.0	58.2		Displace H2O
2:30a					Land plug @ 1600 psi circulate 10 bbls cement to pit

CREW		UNIT	SUMMARY		
Cementer:	Jesse J	78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael R	230	4.7 bpm	459 psi	425 bbls
Bulk #1:	Jose T	242			
Bulk #2:	Jose V	194/235			