

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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) (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	Shelby Resources LLC
Well Name	N-S UNIT #1-27
Doc ID	1668501

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	N-S UNIT #1-27
Doc ID	1668501

Tops

Name	Top	Datum
Topeka	3423	-1425
Heebner	3788	-1790
Lansing	3984	-1986
Stark	4265	-2267
BKC	4346	-2348
Viola	4505	-2507
Simpson Shale	4558	-2560
Simpson Sand	4574	-2576
Arbuckle	4647	-2649
RTD	4800	-2802



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.24 @ 10:40:00

End Date: 2022.06.24 @ 19:02:02

Job Ticket #: 65450 DST #: 1

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

Printed: 2022.07.05 @ 10:36:34



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shelby Resources LLC
 3700 Quebec St
 Ste 100 PMB 376
 Denver, CO 80207
 ATTN: Jeremy Schwartz

27-28S-14W Pratt,KS

NS Unit #1-27

Job Ticket: 65450

DST#: 1

Test Start: 2022.06.24 @ 10:40:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:59:17

Time Test Ended: 19:02:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 72

Interval: 3546.00 ft (KB) To 3565.00 ft (KB) (TVD)

Reference Elevations: 1998.00 ft (KB)

Total Depth: 3565.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752

Inside

Press@RunDepth: 219.08 psig @ 3552.00 ft (KB)

Capacity: psig

Start Date: 2022.06.24

End Date:

2022.06.24

Last Calib.:

2022.06.24

Start Time: 10:40:01

End Time:

19:02:02

Time On Btm:

2022.06.24 @ 12:58:17

Time Off Btm:

2022.06.24 @ 16:31:02

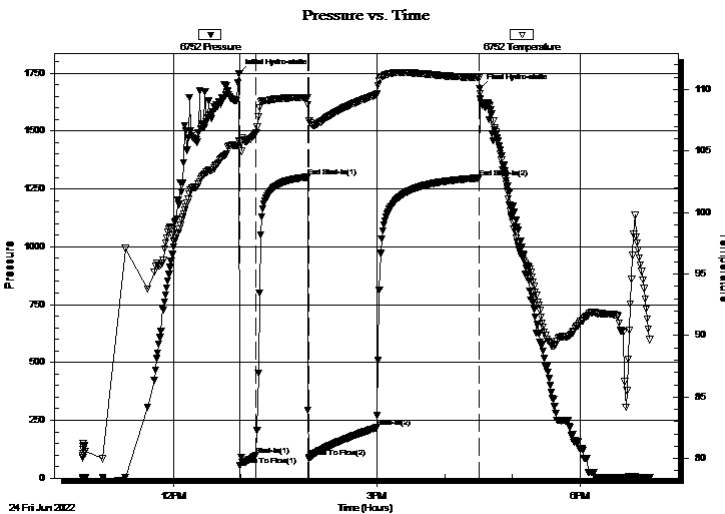
TEST COMMENT: IF: Strong Blow , BOB in 1 minute, Built to 379.67 inches

IS: Weak .14 inch Blow Back

FF: Strong Blow , BOB Immediate, GTS in 5 minutes, Gauged & Sampled

FS: Blow Back Built to 92.71 inches

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1749.18	105.83	Initial Hydro-static
1	55.99	105.73	Open To Flow (1)
16	99.18	106.50	Shut-In(1)
61	1301.01	109.34	End Shut-In(1)
62	90.05	107.46	Open To Flow (2)
122	219.08	109.62	Shut-In(2)
212	1297.33	110.94	End Shut-In(2)
213	1682.94	110.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2893 GIP	0.00
120.00	Water	0.59
248.00	GWOCM 10%G 20%W 25%O 45%M	3.48
196.00	GMCO 10%G 10%M 80%O	2.75
90.00	GSY Oil 20%G 8-%O	1.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	6.80	7.37
Last Gas Rate	0.13	5.66	6.97
Max. Gas Rate	0.13	7.53	7.62



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt, KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 65450

DST#: 1

Test Start: 2022.06.24 @ 10:40:00

Tool Information

Drill Pipe:	Length: 3427.00 ft	Diameter: 3.80 inches	Volume: 48.07 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 48.66 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3546.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3524.00	
Hydraulic tool	5.00			3529.00	
Jars	5.00			3534.00	
Safety Joint	3.00			3537.00	
Packer	5.00			3542.00	27.00 Bottom Of Top Packer
Packer	4.00			3546.00	
Stubb	1.00			3547.00	
Handling Sub	5.00			3552.00	
Recorder	0.00	6752	Inside	3552.00	
Recorder	0.00	8365	Outside	3552.00	
Perforations	10.00			3562.00	
Bullnose	3.00			3565.00	19.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 65450

DST#: 1

Test Start: 2022.06.24 @ 10:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.75 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 62000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2893 GIP	0.000
120.00	Water	0.590
248.00	GWOCM 10%G 20%W 25%O 45%M	3.479
196.00	GMCO 10%G 10%M 80%O	2.749
90.00	GSY Oil 20%G 8-%O	1.262

Total Length: 654.00 ft Total Volume: 8.080 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .1 @ 85 degrees



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources LLC

27-28S-14W Pratt, KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

NS Unit #1-27

Job Ticket: 65450

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2022.06.24 @ 10:40:00

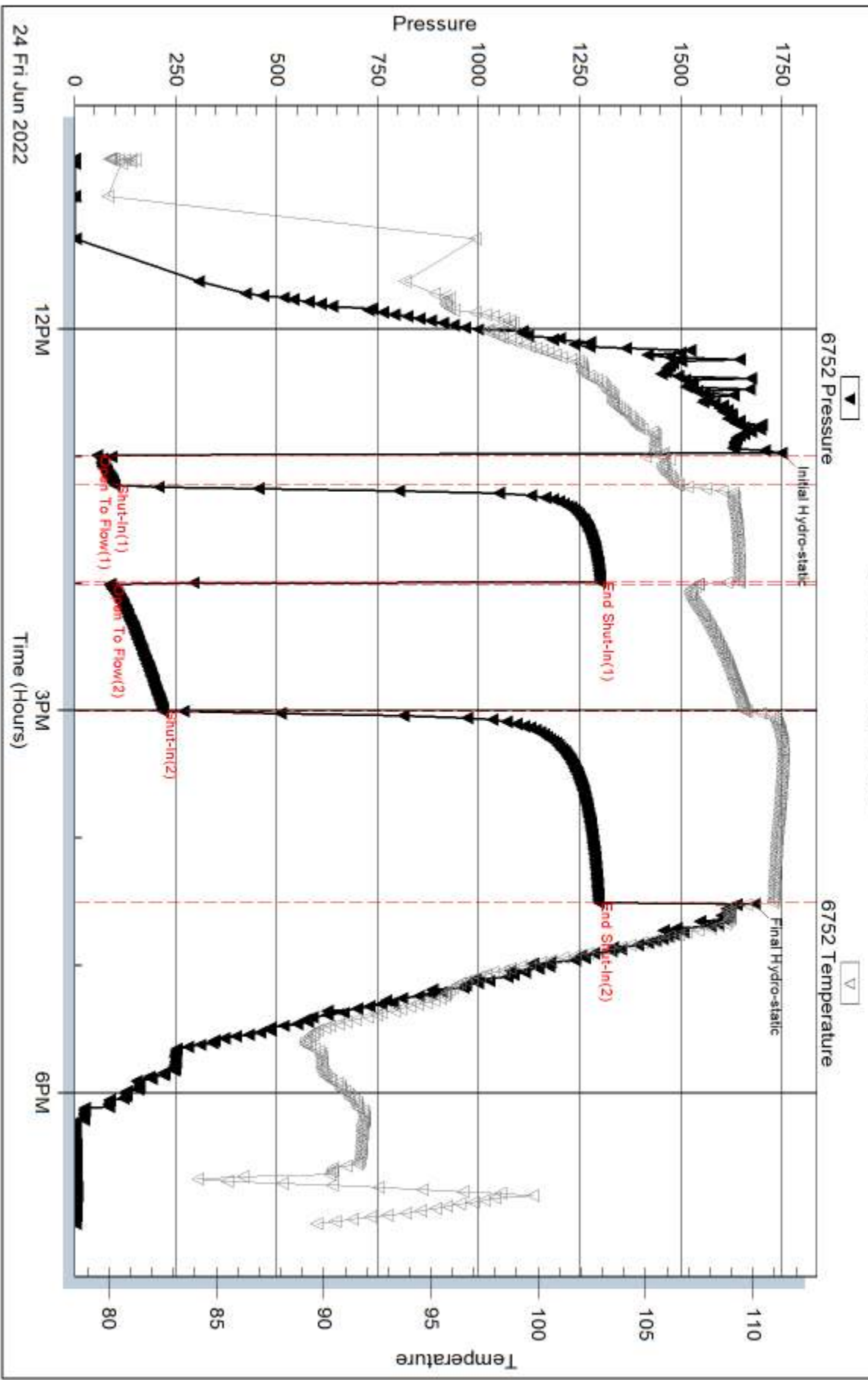
Gas Rates Information

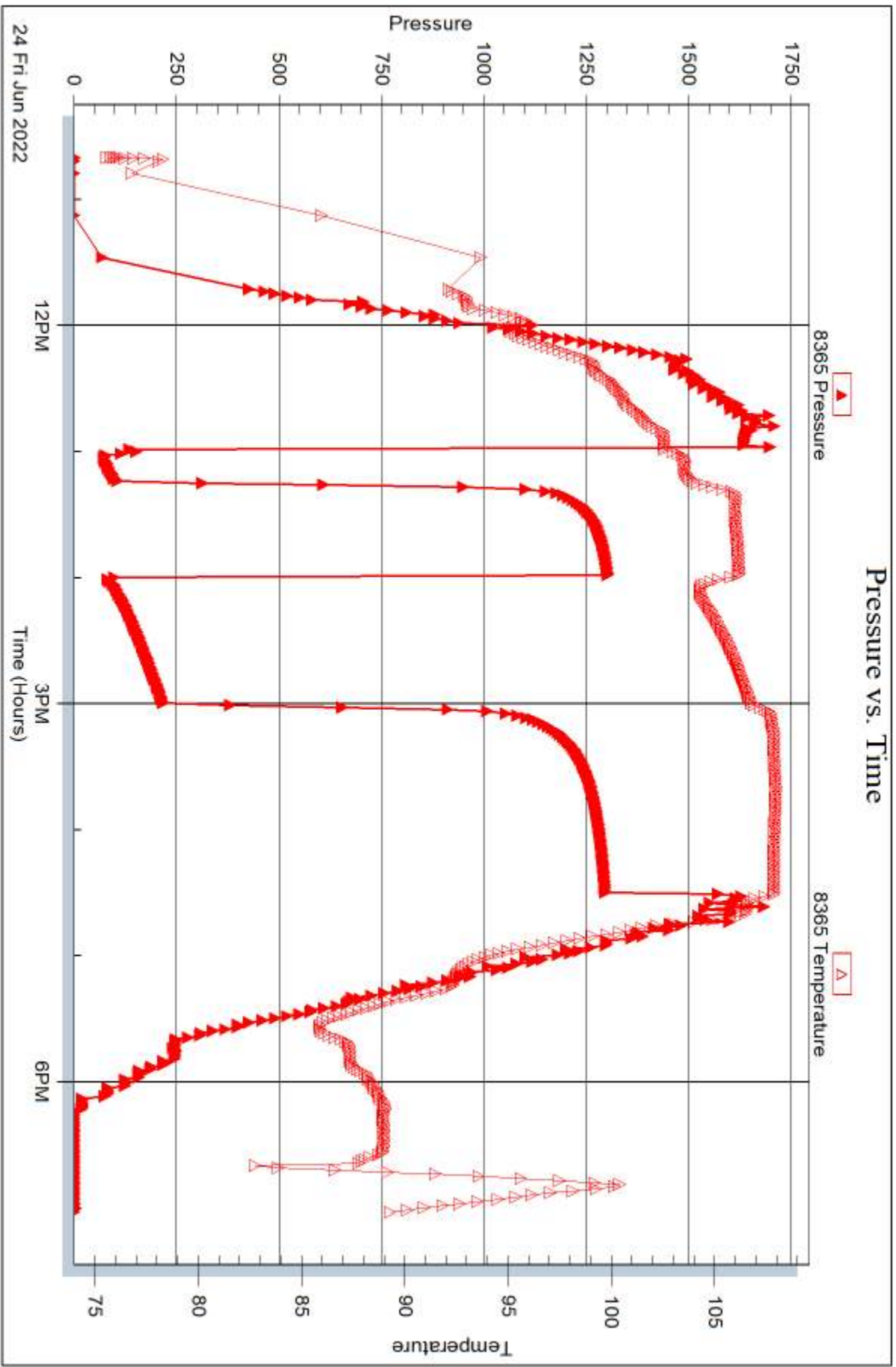
Temperature: 59 (deg F)
Relative Density: 0.67
Z Factor: 0.9

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	6.80	7.37
2	10	0.13	6.80	7.37
2	20	0.13	7.53	7.62
2	30	0.13	7.48	7.61
2	40	0.13	6.76	7.36
2	50	0.13	5.66	6.97

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.26 @ 17:28:00

End Date: 2022.06.27 @ 01:18:02

Job Ticket #: 68176 DST #: 2

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

Printed: 2022.07.05 @ 11:11:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC
3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

27-28S-14W Pratt,KS

NS Unit #1-27

Job Ticket: 68176

DST#: 2

Test Start: 2022.06.26 @ 17:28:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:36:32
 Time Test Ended: 01:18:02
 Interval: **4140.00 ft (KB) To 4226.00 ft (KB) (TVD)**
 Total Depth: 4226.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1998.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 12.00 ft

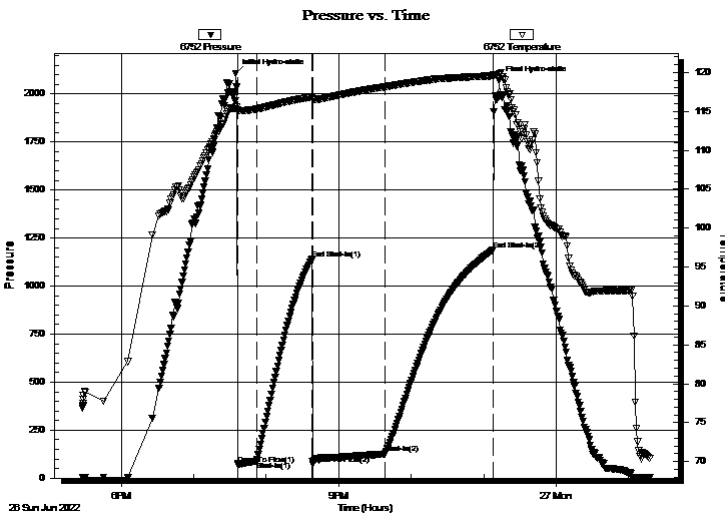
Serial #: 6752

Inside

Press@RunDepth: 126.68 psig @ 4218.00 ft (KB) Capacity: psig
 Start Date: 2022.06.26 End Date: 2022.06.27 Last Calib.: 2022.06.27
 Start Time: 17:28:01 End Time: 01:18:02 Time On Btm: 2022.06.26 @ 19:34:47
 Time Off Btm: 2022.06.26 @ 23:12:47

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, Built to 82.53 inches
 IS: No Blow Back
 FF: Strong Blow , BOB Immediate, Built to 104.89 inches
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.39	115.36	Initial Hydro-static
2	70.75	115.16	Open To Flow (1)
17	88.52	115.28	Shut-In(1)
63	1139.62	116.78	End Shut-In(1)
64	73.88	116.54	Open To Flow (2)
124	126.68	118.15	Shut-In(2)
213	1188.17	119.58	End Shut-In(2)
218	2069.51	119.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1406 GIP	0.00
160.00	GCM 10%G 90%M	1.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68176

DST#: 2

Test Start: 2022.06.26 @ 17:28:00

Tool Information

Drill Pipe:	Length: 4001.00 ft	Diameter: 3.80 inches	Volume: 56.12 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.71 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4140.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	115.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4116.00	
Hydraulic tool	5.00			4121.00	
Jars	5.00			4126.00	
EM Tool	3.00			4129.00	
Safety Joint	2.00			4131.00	
Packer	5.00			4136.00	29.00 Bottom Of Top Packer
Packer	4.00			4140.00	
Stubb	1.00			4141.00	
Perforations	6.00			4147.00	
Change Over Sub	1.00			4148.00	
Drill Pipe	64.00			4212.00	
Change Over Sub	1.00			4213.00	
Handling Sub	5.00			4218.00	
Recorder	0.00	6752	Inside	4218.00	
Recorder	0.00	8365	Outside	4218.00	
perforations	5.00			4223.00	
Bullnose	3.00			4226.00	86.00 Bottom Packers & Anchor
Total Tool Length:	115.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68176

DST#: 2

Test Start: 2022.06.26 @ 17:28:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 9.95 in³
Resistivity: ohm.m
Salinity: 7500.00 ppm
Filter Cake: 0.02 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1406 GIP	0.000
160.00	GCM 10%G 90%M	1.151

Total Length: 160.00 ft Total Volume: 1.151 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

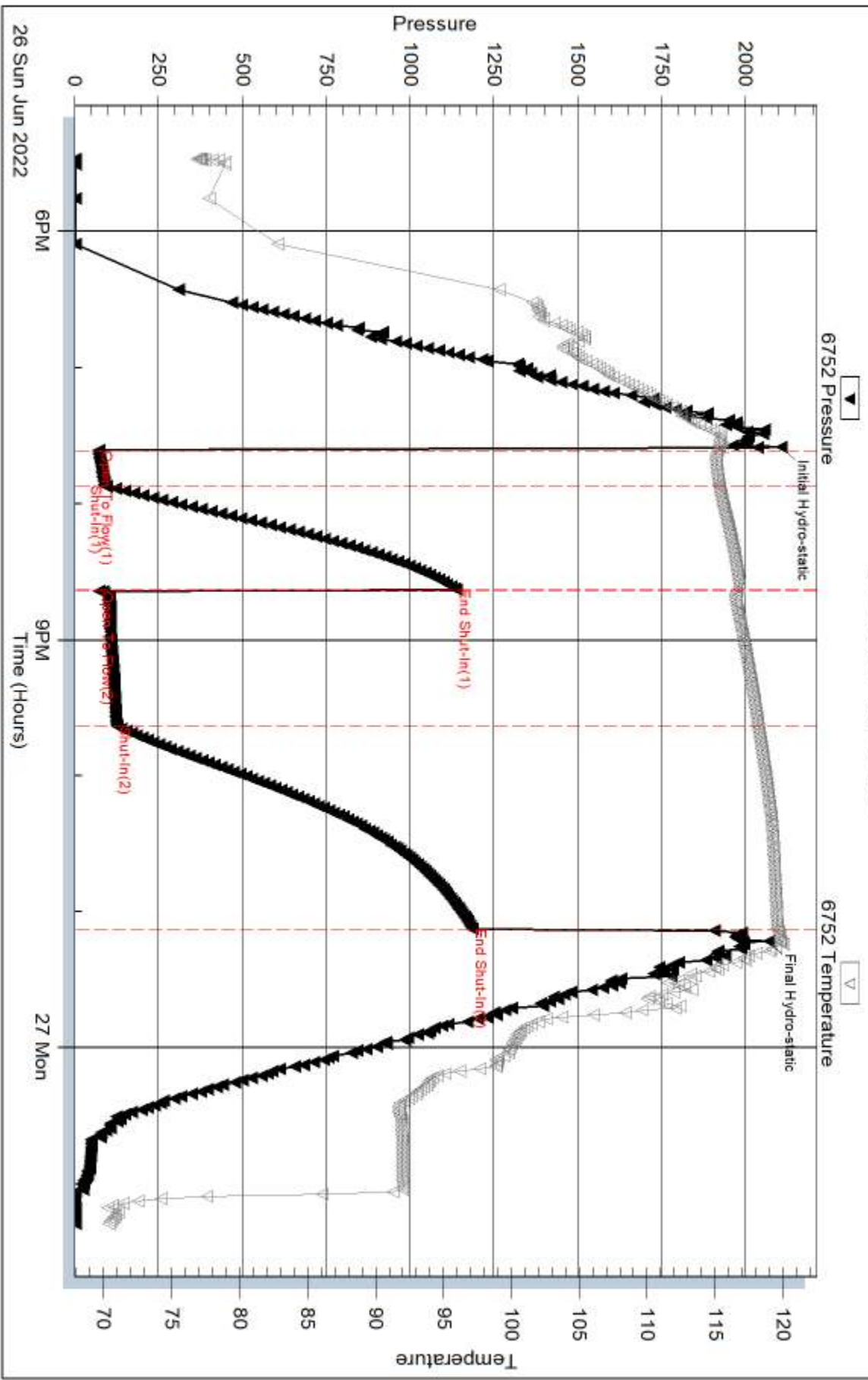
Serial #:

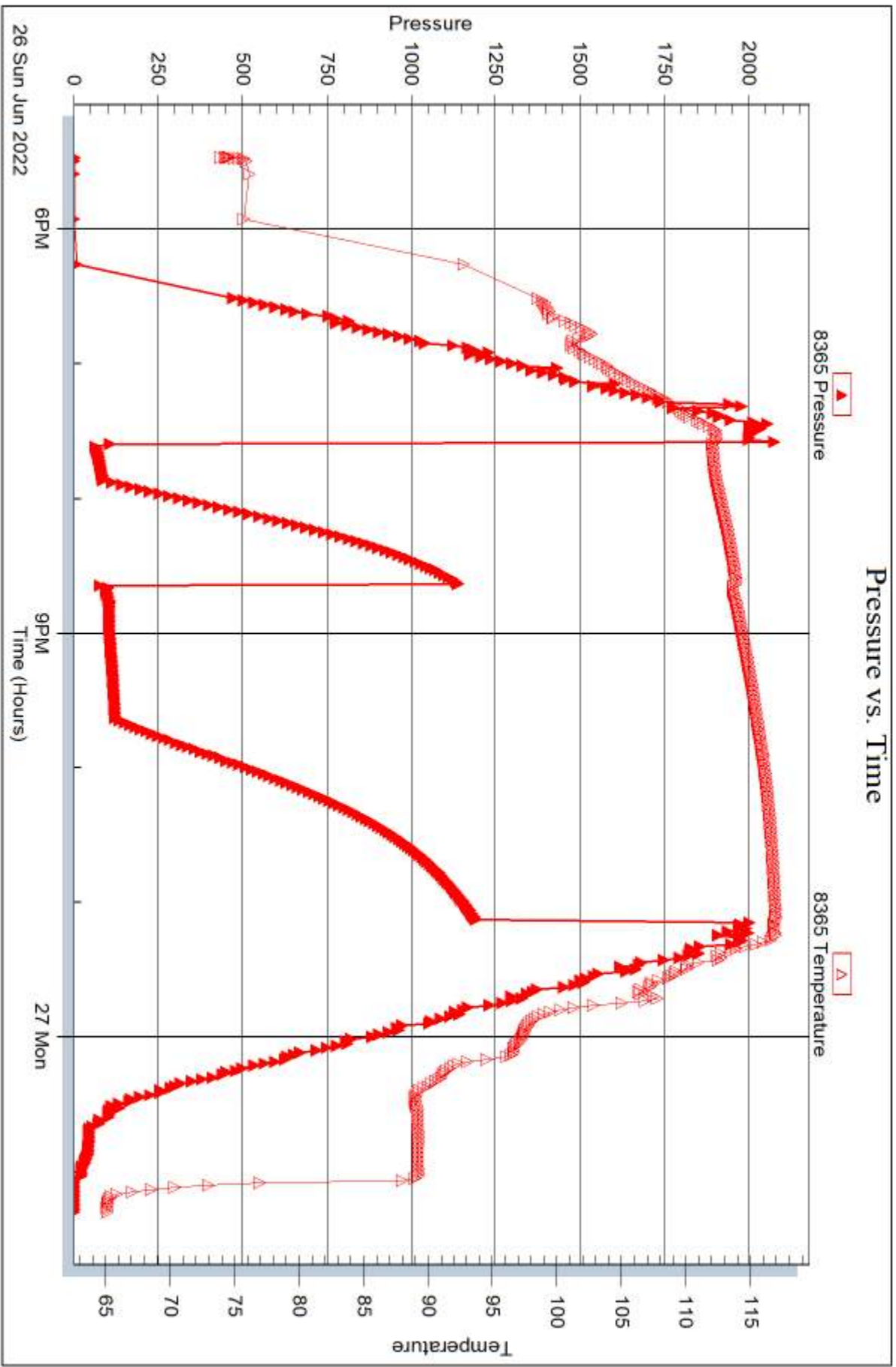
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.27 @ 11:24:00

End Date: 2022.06.27 @ 19:58:02

Job Ticket #: 68177 DST #: 3

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

Printed: 2022.07.05 @ 11:11:04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC
3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

27-28S-14W Pratt,KS

NS Unit #1-27

Job Ticket: 68177

DST#: 3

Test Start: 2022.06.27 @ 11:24:00

GENERAL INFORMATION:

Formation: **LKC "K-L"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:50:47
 Tester: Leal Cason
 Time Test Ended: 19:58:02
 Unit No: 72
 Interval: **4226.00 ft (KB) To 4291.00 ft (KB) (TVD)**
 Reference Elevations: 1998.00 ft (KB)
 Total Depth: 4291.00 ft (KB) (TVD)
 1986.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 12.00 ft

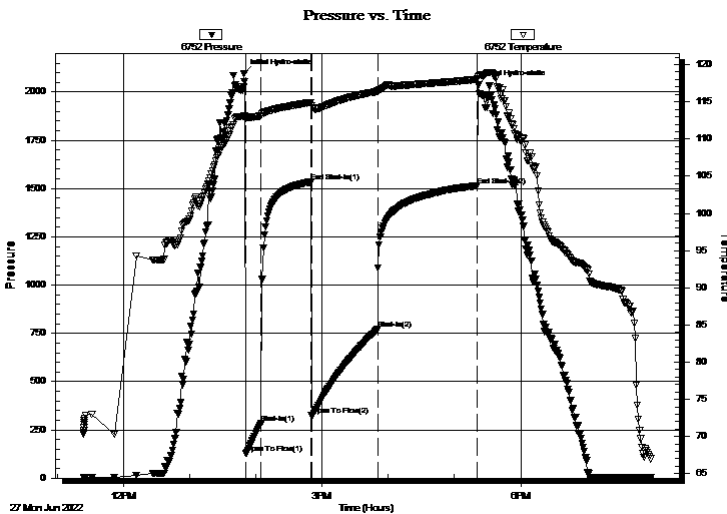
Serial #: 6752

Inside

Press@RunDepth: 772.55 psig @ 4273.00 ft (KB) Capacity: psig
 Start Date: 2022.06.27 End Date: 2022.06.27 Last Calib.: 2022.06.27
 Start Time: 11:24:01 End Time: 19:58:02 Time On Btm: 2022.06.27 @ 13:49:17
 Time Off Btm: 2022.06.27 @ 17:21:47

TEST COMMENT: IF: Strong Blow , BOB in 3 minutes, Built to 30.09 inches
 IS: Blow Back Built to .68 inches
 FF: Strong Blow , BOB in 3 minutes, Built to 139.19 inches
 FS: Blow Back Built to 1.02 inches

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.13	113.03	Initial Hydro-static
2	130.04	112.83	Open To Flow (1)
16	285.20	113.15	Shut-In(1)
61	1533.69	114.90	End Shut-In(1)
62	324.71	114.53	Open To Flow (2)
121	772.55	116.43	Shut-In(2)
212	1514.69	118.05	End Shut-In(2)
213	2036.53	118.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1197.00	Water	15.70
126.00	MCW 15%M 85%W	1.77
63.00	SOMCW 2%O 38%M 60%W	0.88

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68177

DST#: 3

Test Start: 2022.06.27 @ 11:24:00

Tool Information

Drill Pipe:	Length: 4094.00 ft	Diameter: 3.80 inches	Volume: 57.43 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.02 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4226.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4202.00	
Hydraulic tool	5.00			4207.00	
Jars	5.00			4212.00	
EM Tool	3.00			4215.00	
Safety Joint	2.00			4217.00	
Packer	5.00			4222.00	29.00 Bottom Of Top Packer
Packer	4.00			4226.00	
Stubb	1.00			4227.00	
Perforations	8.00			4235.00	
Change Over Sub	1.00			4236.00	
Drill Pipe	31.00			4267.00	
Change Over Sub	1.00			4268.00	
Handling Sub	5.00			4273.00	
Recorder	0.00	6752	Inside	4273.00	
Recorder	0.00	8365	Outside	4273.00	
perforations	15.00			4288.00	
Bullnose	3.00			4291.00	65.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68177

DST#: 3

Test Start: 2022.06.27 @ 11:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 58000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1197.00	Water	15.698
126.00	MCW 15%M 85%W	1.767
63.00	SOMCW 2%O 38%M 60%W	0.884

Total Length: 1386.00 ft Total Volume: 18.349 bbl

Num Fluid Samples: 0

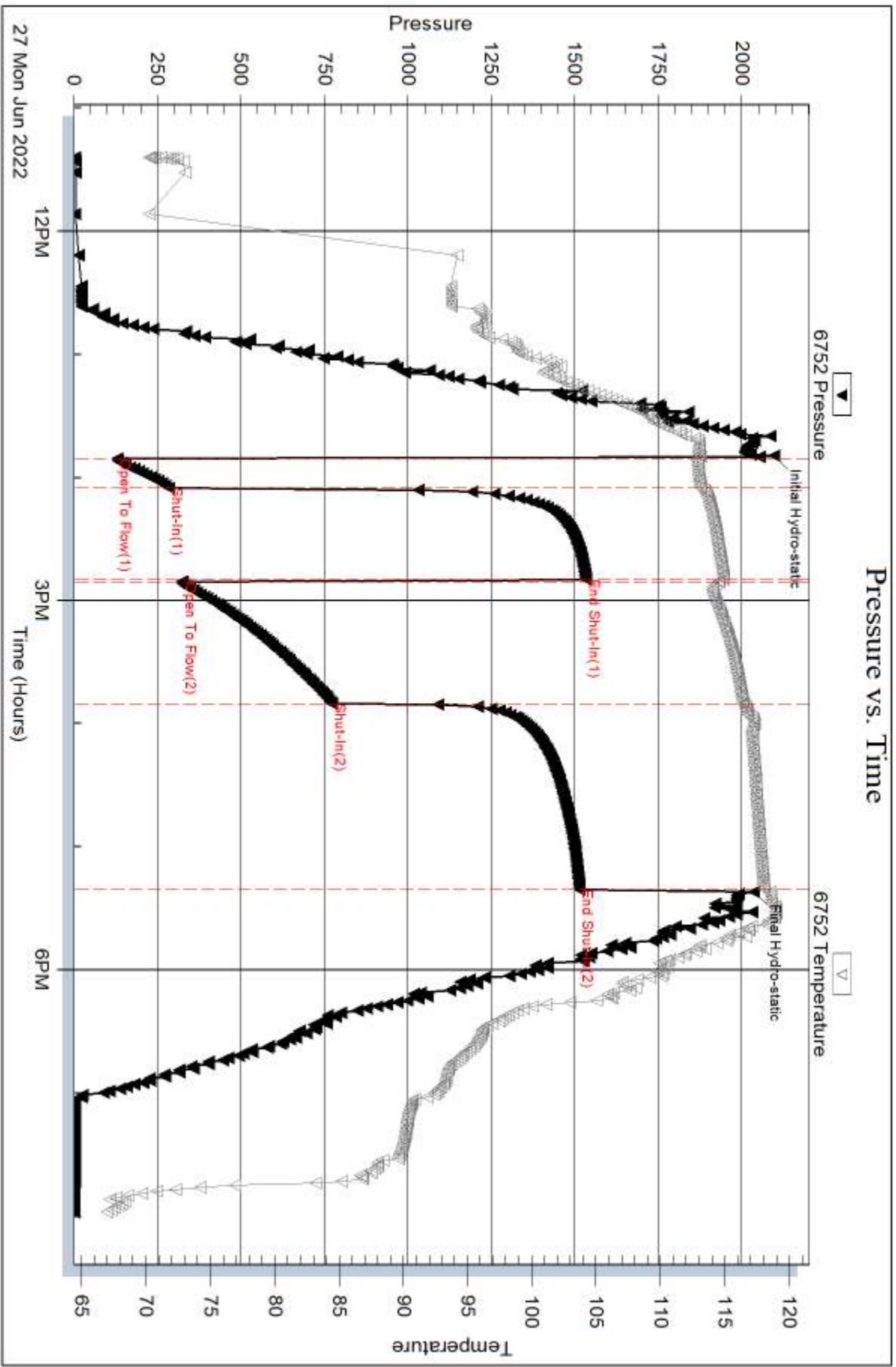
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .12 @ 77 degrees

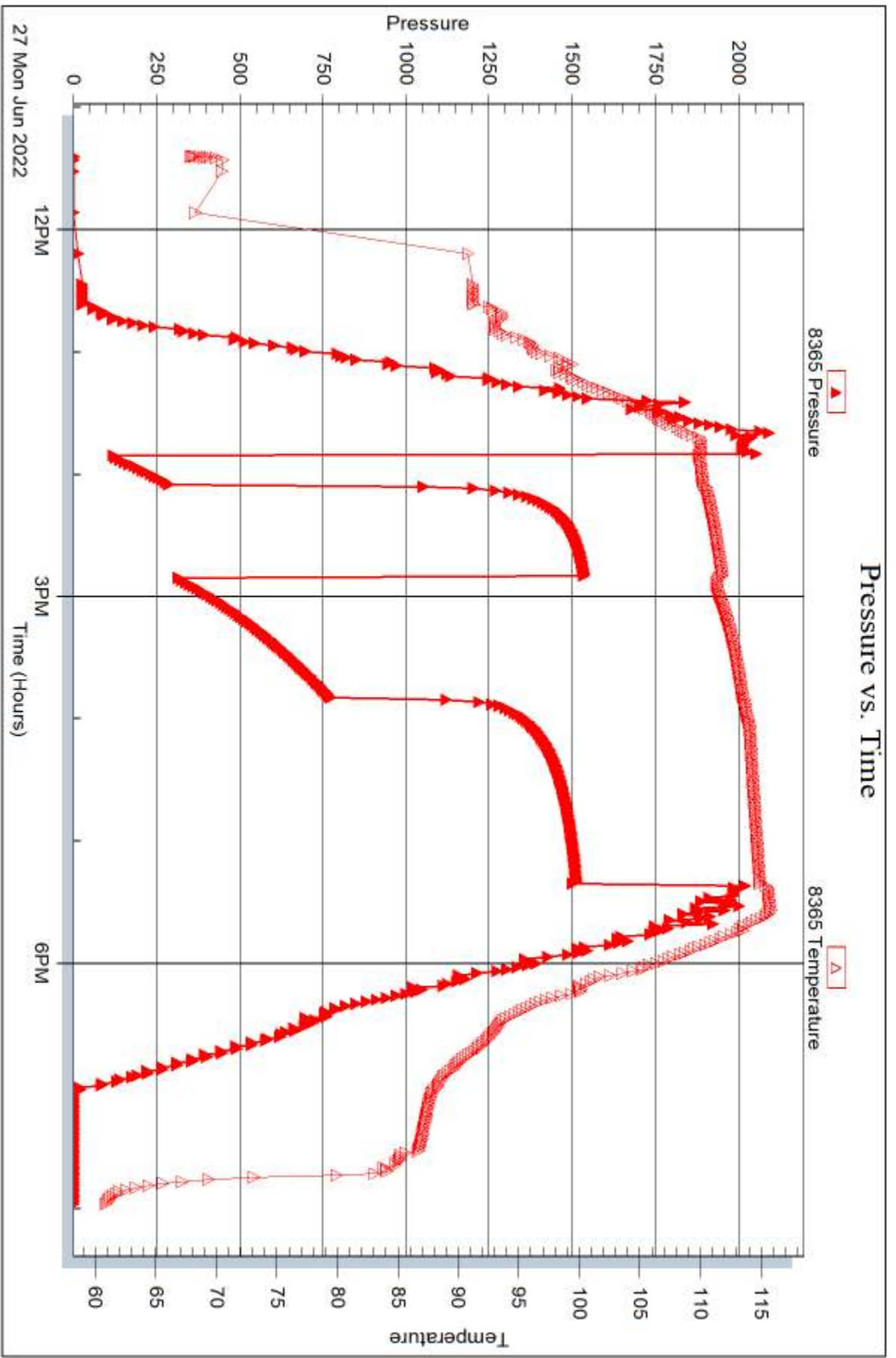


Serial #: 8365

Outside Shelby Resources LLC

NIS Unit #1-27

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 68177

Printed: 2022.07.05 @ 11:11:05



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.28 @ 09:17:00

End Date: 2022.06.28 @ 18:07:02

Job Ticket #: 68178 DST #: 4

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

Printed: 2022.07.05 @ 10:45:25

Shelby Resources LLC
27-28S-14W Pratt,KS
NS Unit #1-27
DST # 4
Marmaton
2022.06.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68178

DST#: 4

Test Start: 2022.06.28 @ 09:17:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:02

Time Test Ended: 18:07:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4389.00 ft (KB) To 4425.00 ft (KB) (TVD)

Reference Elevations: 1998.00 ft (KB)

Total Depth: 4425.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 263.05 psig @ 4395.00 ft (KB)

Capacity: psig

Start Date: 2022.06.28

End Date: 2022.06.28

Last Calib.: 2022.06.28

Start Time: 09:17:01

End Time: 18:07:02

Time On Btm: 2022.06.28 @ 11:45:02

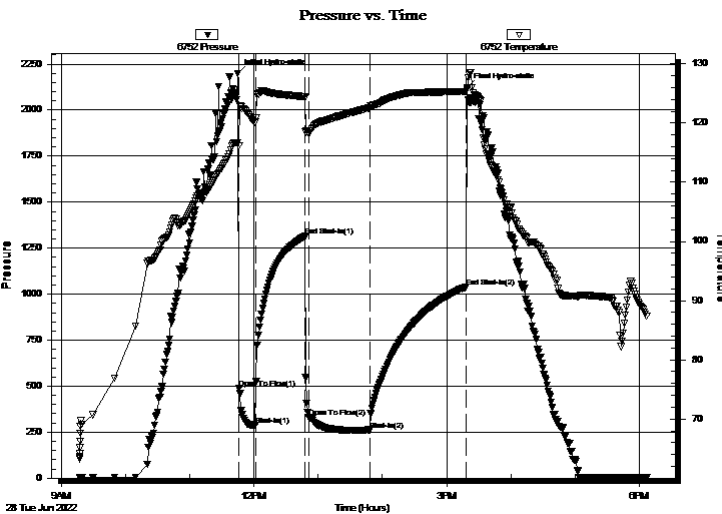
Time Off Btm: 2022.06.28 @ 15:19:02

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds, GTS in 4 minutes, Gauged & Sampled

IS: 8.1 inch Blow Back

FF: Strong Blow , BOB & GTS Immediate, Gauged Gas

FS: 21.31 Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2199.82	116.66	Initial Hydro-static
1	487.76	116.22	Open To Flow (1)
17	286.06	120.14	Shut-In(1)
63	1314.16	124.42	End Shut-In(1)
66	329.53	118.27	Open To Flow (2)
123	263.05	122.58	Shut-In(2)
214	1039.95	125.35	End Shut-In(2)
214	2119.32	125.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3835 GIP	0.00
60.00	Water	0.30
249.00	GOMCW 10%G 10%O 14%M 66%W	2.95
229.00	GSY Oil 20%G 80%O	3.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	18.62	112.33
Last Gas Rate	0.50	18.41	205.53
Max. Gas Rate	0.75	34.21	705.09

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68178

DST#: 4

Test Start: 2022.06.28 @ 09:17:00

Tool Information

Drill Pipe:	Length: 4253.00 ft	Diameter: 3.80 inches	Volume: 59.66 bbl	Tool Weight:	2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 60.25 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4389.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			4367.00	
Hydraulic tool	5.00			4372.00	
Jars	5.00			4377.00	
Safety Joint	3.00			4380.00	
Packer	5.00			4385.00	27.00 Bottom Of Top Packer
Packer	4.00			4389.00	
Stubb	1.00			4390.00	
Handling Sub	5.00			4395.00	
Recorder	0.00	6752	Inside	4395.00	
Recorder	0.00	8365	Outside	4395.00	
Perforations	27.00			4422.00	
Bullnose	3.00			4425.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68178

DST#: 4

Test Start: 2022.06.28 @ 09:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 932.00 lb/gal

Cushion Length:

ft

Water Salinity:

74000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3835 GIP	0.000
60.00	Water	0.295
249.00	GOMCW 10%G 10%O 14%M 66%W	2.946
229.00	GSY Oil 20%G 80%O	3.212

Total Length: 538.00 ft

Total Volume: 6.453 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .08 @ 92 degrees

Gravity w as 36.8 @ 98 degrees



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources LLC

27-28S-14W Pratt, KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

NS Unit #1-27

Job Ticket: 68178

DST#: 4

ATTN: Jeremy Schwartz

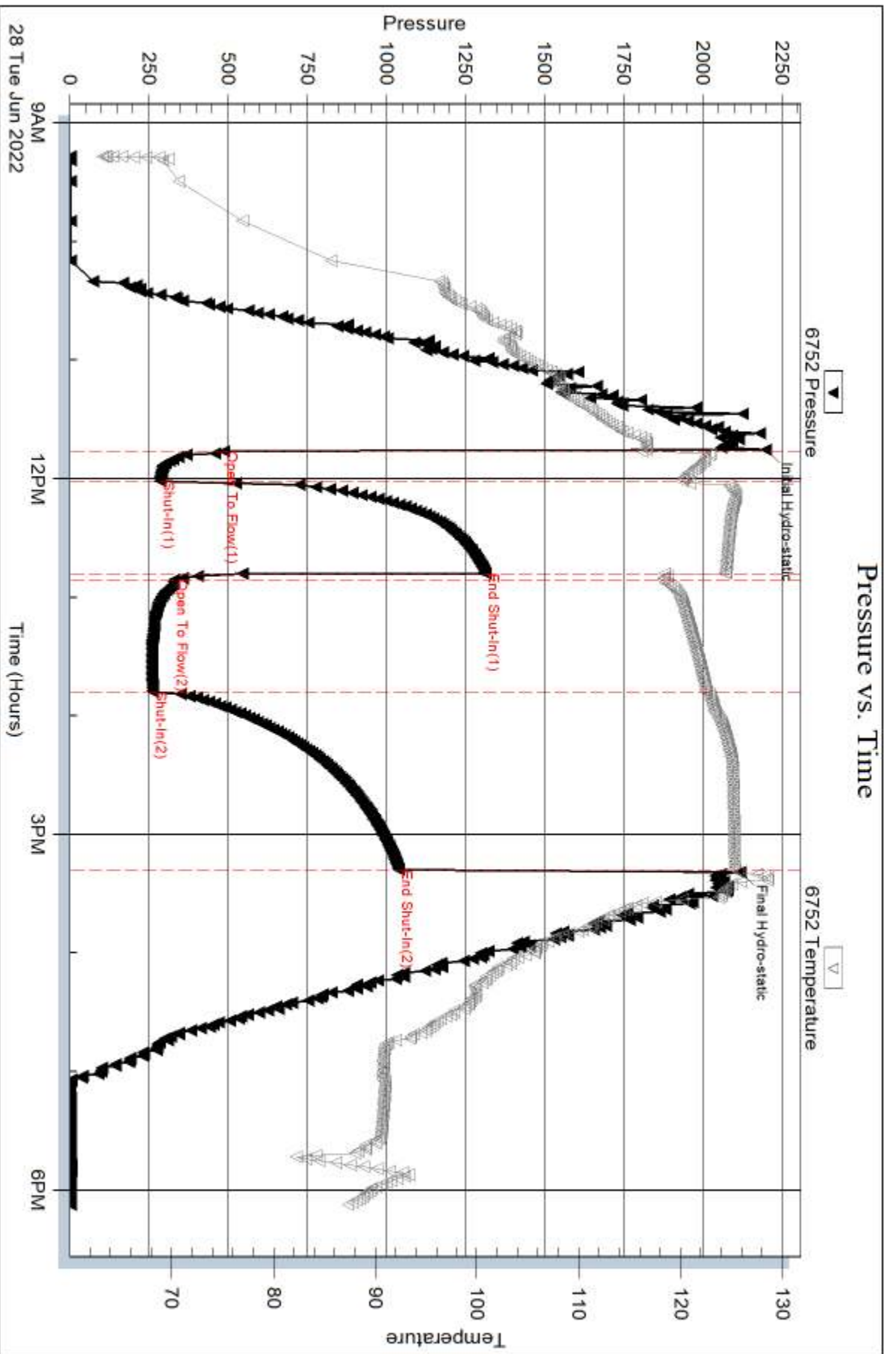
Test Start: 2022.06.28 @ 09:17:00

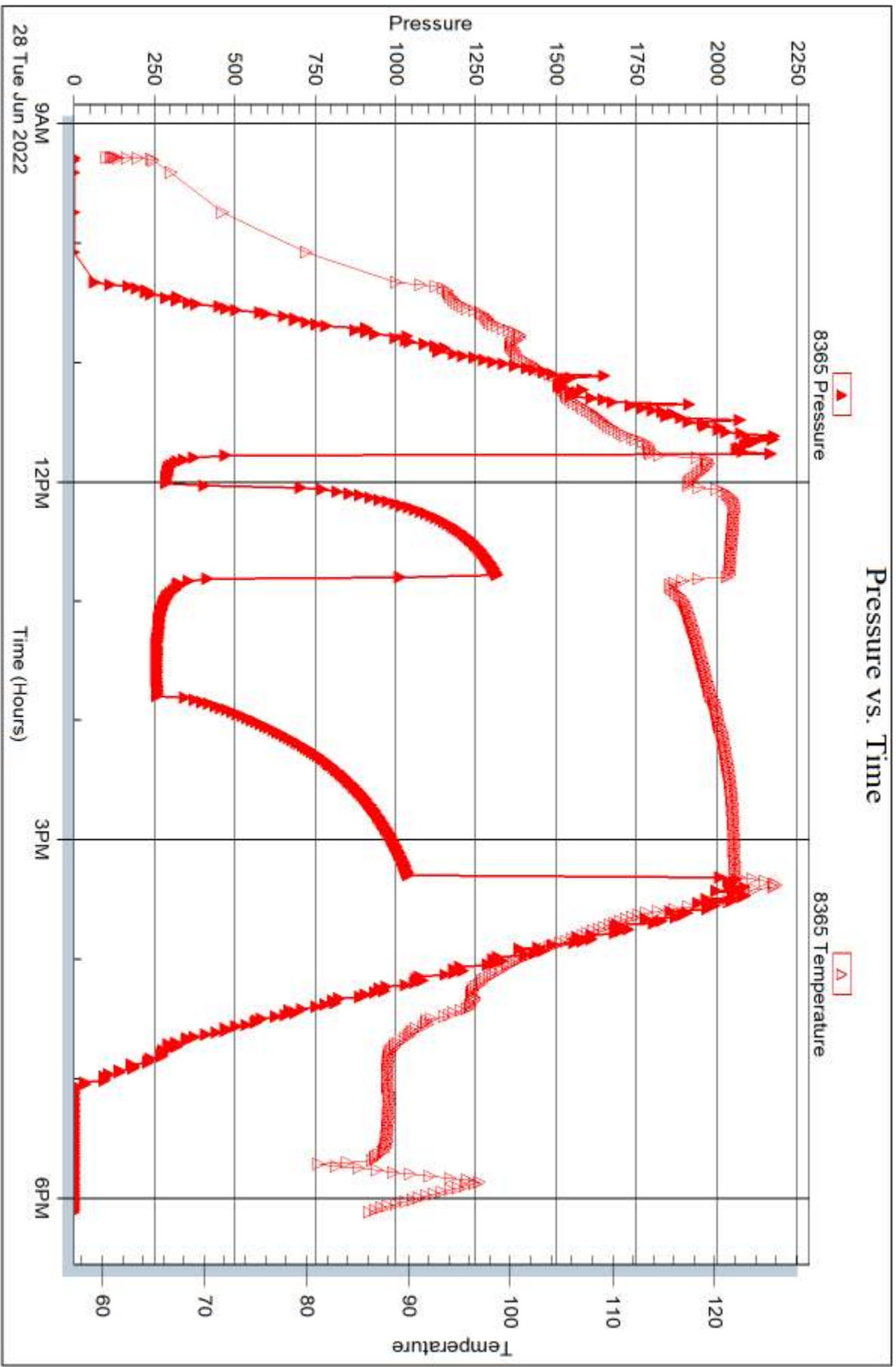
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.67
Z Factor: 0.9

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.38	18.62	112.33
1	10	0.38	18.62	112.33
1	15	0.38	19.96	116.89
2	10	0.75	34.21	705.09
2	20	0.75	21.90	526.53
2	30	0.50	30.20	279.39
2	40	0.50	23.13	235.10
2	50	0.50	18.41	205.53







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.29 @ 08:50:00

End Date: 2022.06.29 @ 13:52:17

Job Ticket #: 68179 DST #: 5

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

Printed: 2022.07.05 @ 11:10:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC
3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

27-28S-14W Pratt,KS

NS Unit #1-27

Job Ticket: 68179

DST#: 5

Test Start: 2022.06.29 @ 08:50:00

GENERAL INFORMATION:

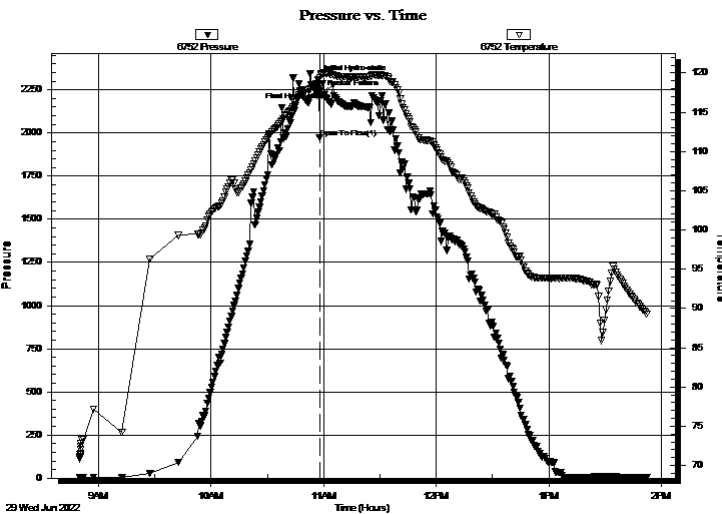
Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:57:47
Time Test Ended: 13:52:17
Interval: **4491.00 ft (KB) To 4559.00 ft (KB) (TVD)**
Total Depth: 4559.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 72
Reference Elevations: 1998.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6752

Inside

Press@RunDepth: psig @ 4537.00 ft (KB) Capacity: psig
Start Date: 2022.06.29 End Date: 2022.06.29 Last Calib.: 2022.06.29
Start Time: 08:50:01 End Time: 13:52:17 Time On Btm: 2022.06.29 @ 10:57:02
Time Off Btm: 2022.06.29 @ 11:04:47

TEST COMMENT: IF: Packer Failure, Tried To Reset, Failed, Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.71	118.59	Initial Hydro-static
1	1970.81	118.48	Open To Flow (1)
2	2222.68	119.81	Packer Failure
8	2277.28	119.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Drilling Mud	0.59

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68179

DST#: 5

Test Start: 2022.06.29 @ 08:50:00

Tool Information

Drill Pipe:	Length: 4346.00 ft	Diameter: 3.80 inches	Volume: 60.96 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	40000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 61.55 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4491.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	97.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4467.00	
Hydraulic tool	5.00			4472.00	
Jars	5.00			4477.00	
EM Tool	3.00			4480.00	
Safety Joint	2.00			4482.00	
Packer	5.00			4487.00	29.00 Bottom Of Top Packer
Packer	4.00			4491.00	
Stubb	1.00			4492.00	
Perforations	6.00			4498.00	
Change Over Sub	1.00			4499.00	
Drill Pipe	32.00			4531.00	
Change Over Sub	1.00			4532.00	
Handling Sub	5.00			4537.00	
Recorder	0.00	6752	Inside	4537.00	
Recorder	0.00	8365	Outside	4537.00	
perforations	19.00			4556.00	
Bullnose	3.00			4559.00	68.00 Bottom Packers & Anchor
Total Tool Length:	97.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68179

DST#: 5

Test Start: 2022.06.29 @ 08:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.98 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Drilling Mud	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

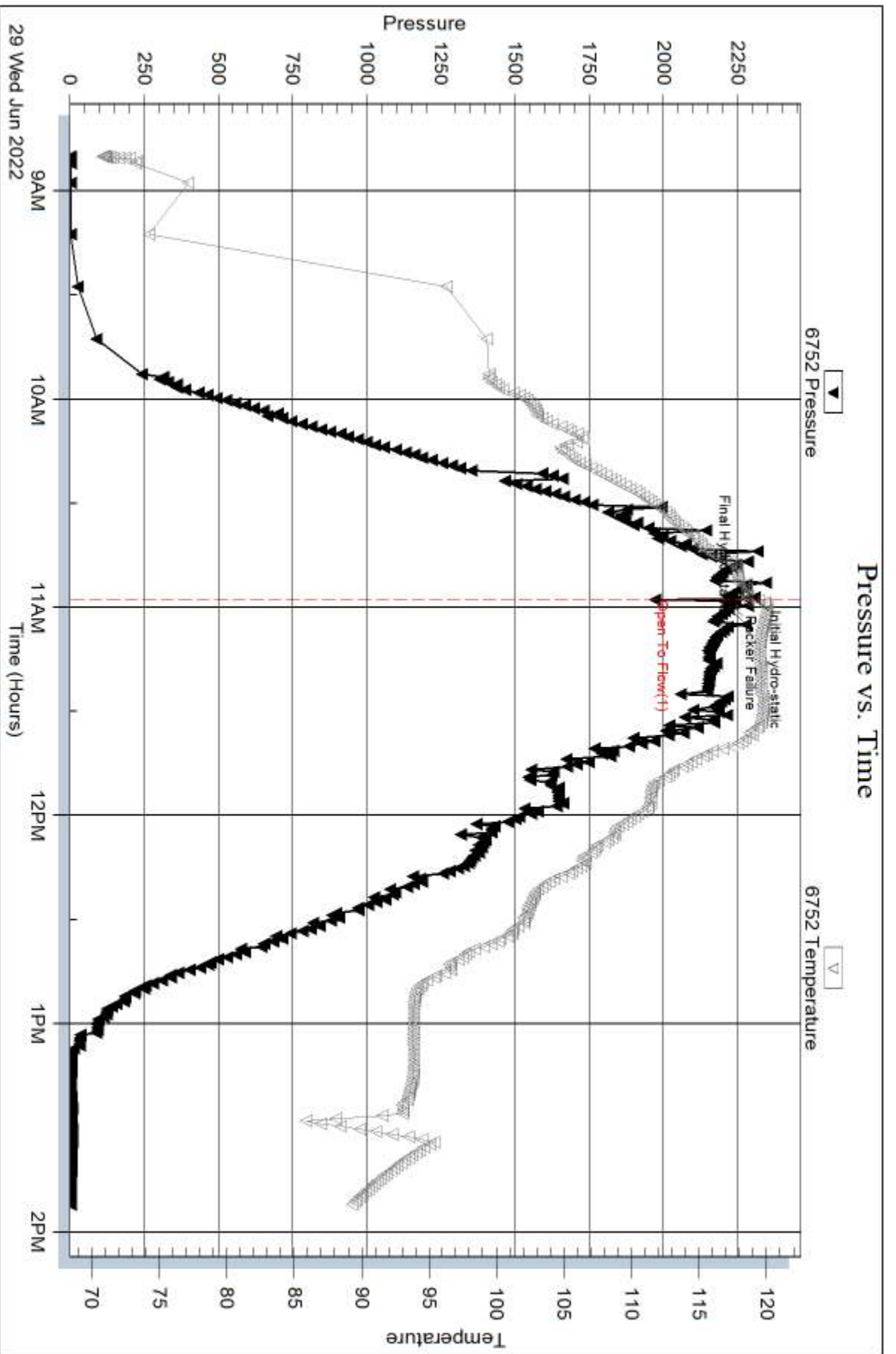
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

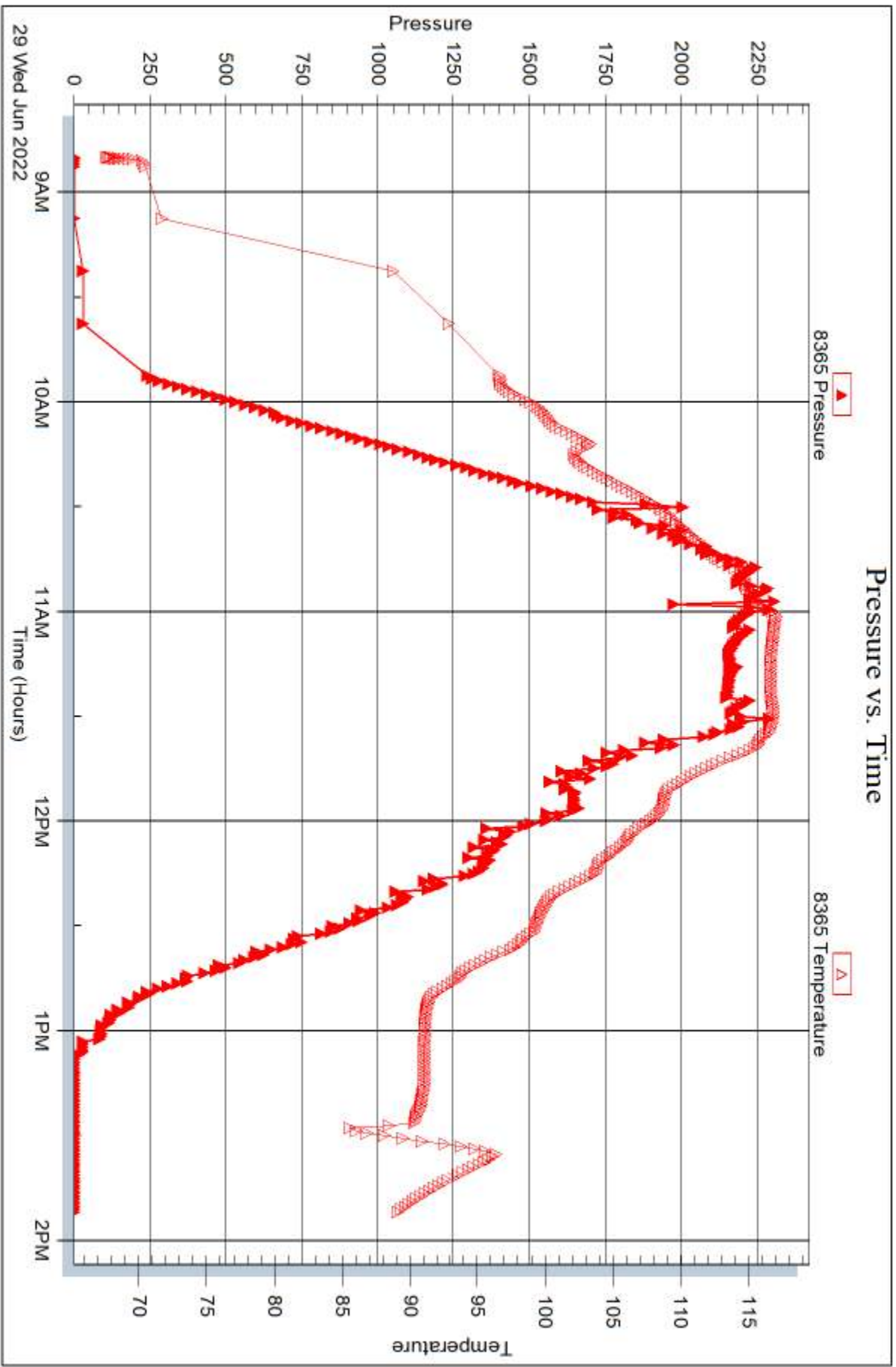


Serial #: 8365

Outside Shelby Resources LLC

NIS Unit #1-27

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 68179

Printed: 2022.07.05 @ 11:10:26



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.29 @ 14:00:00

End Date: 2022.06.29 @ 21:16:02

Job Ticket #: 68180 DST #: 6

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

Printed: 2022.07.05 @ 11:09:48



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shelby Resources LLC
 3700 Quebec St
 Ste 100 PMB 376
 Denver, CO 80207
 ATTN: Jeremy Schwartz

27-28S-14W Pratt,KS

NS Unit #1-27

Job Ticket: 68180

DST#: 6

Test Start: 2022.06.29 @ 14:00:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:52:32
 Tester: Leal Cason
 Time Test Ended: 21:16:02
 Unit No: 72
 Interval: **4509.00 ft (KB) To 4559.00 ft (KB) (TVD)**
 Reference Elevations: 1998.00 ft (KB)
 Total Depth: 4559.00 ft (KB) (TVD)
 1986.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 12.00 ft

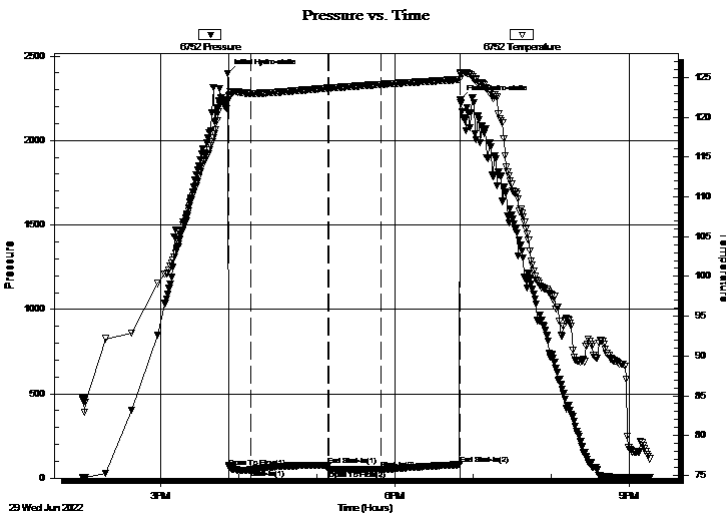
Serial #: 6752

Inside

Press@RunDepth: 54.33 psig @ 4551.00 ft (KB) Capacity: psig
 Start Date: 2022.06.29 End Date: 2022.06.29 Last Calib.: 2022.06.29
 Start Time: 14:00:01 End Time: 21:16:02 Time On Btm: 2022.06.29 @ 15:51:17
 Time Off Btm: 2022.06.29 @ 18:50:02

TEST COMMENT: IF: Weak Blow , Built to 5.37 inches
 IS: No Blow Back
 FF: Weak Blow , Built to 2.66 inches
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2398.01	122.14	Initial Hydro-static
2	66.87	122.75	Open To Flow (1)
18	49.75	123.01	Shut-In(1)
77	74.28	123.65	End Shut-In(1)
78	47.76	123.66	Open To Flow (2)
118	54.33	124.13	Shut-In(2)
179	81.09	124.79	End Shut-In(2)
179	2240.08	125.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68180

DST#: 6

Test Start: 2022.06.29 @ 14:00:00

Tool Information

Drill Pipe:	Length: 4379.00 ft	Diameter: 3.80 inches	Volume: 61.43 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.02 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4509.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4485.00	
Hydraulic tool	5.00			4490.00	
Jars	5.00			4495.00	
EM Tool	3.00			4498.00	
Safety Joint	2.00			4500.00	
Packer	5.00			4505.00	29.00 Bottom Of Top Packer
Packer	4.00			4509.00	
Stubb	1.00			4510.00	
Perforations	3.00			4513.00	
Change Over Sub	1.00			4514.00	
Drill Pipe	31.00			4545.00	
Change Over Sub	1.00			4546.00	
Handling Sub	5.00			4551.00	
Recorder	0.00	6752	Inside	4551.00	
Recorder	0.00	8365	Outside	4551.00	
perforations	5.00			4556.00	
Bullnose	3.00			4559.00	50.00 Bottom Packers & Anchor
Total Tool Length:	79.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68180

DST#: 6

Test Start: 2022.06.29 @ 14:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.98 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

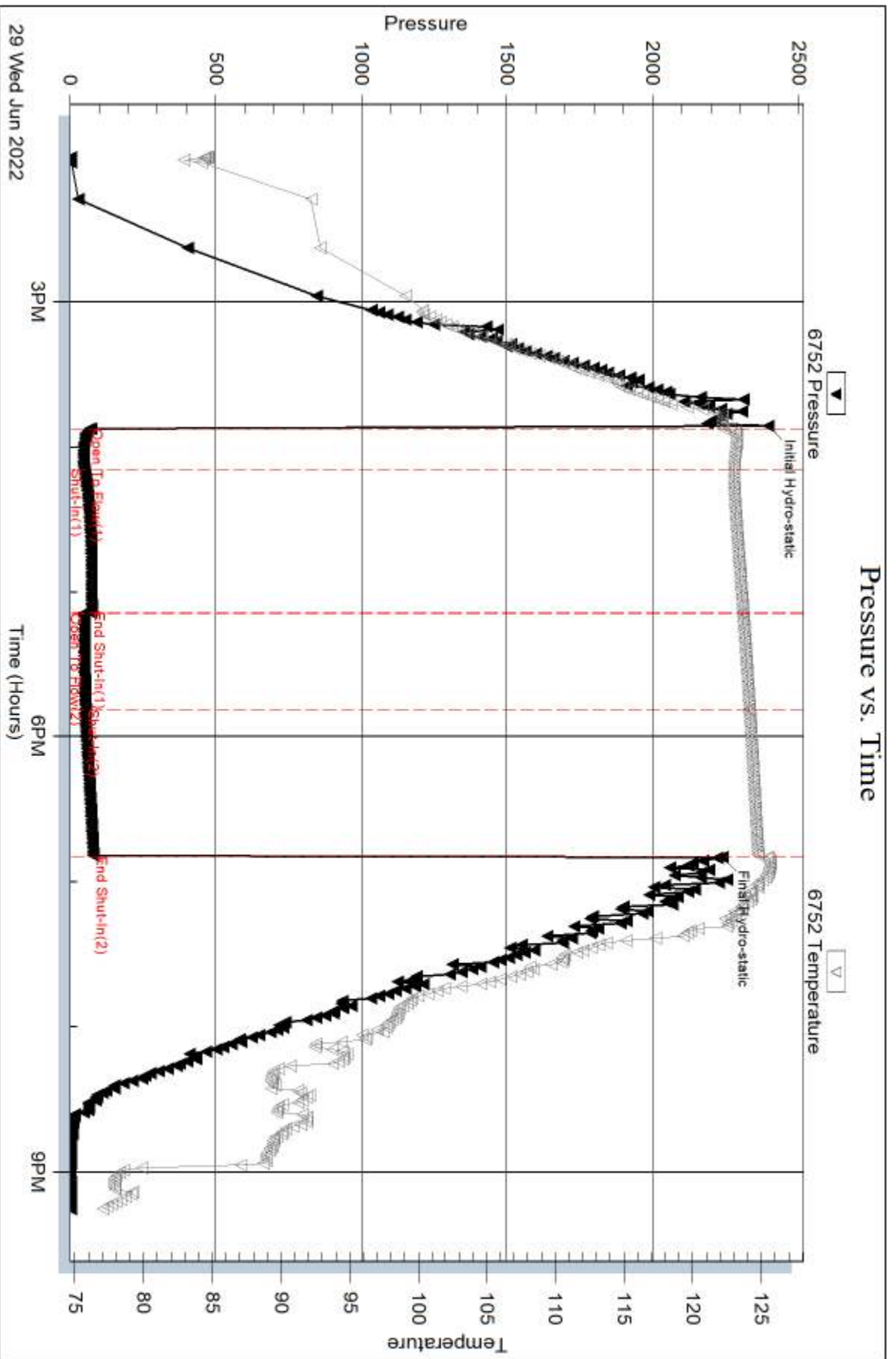
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

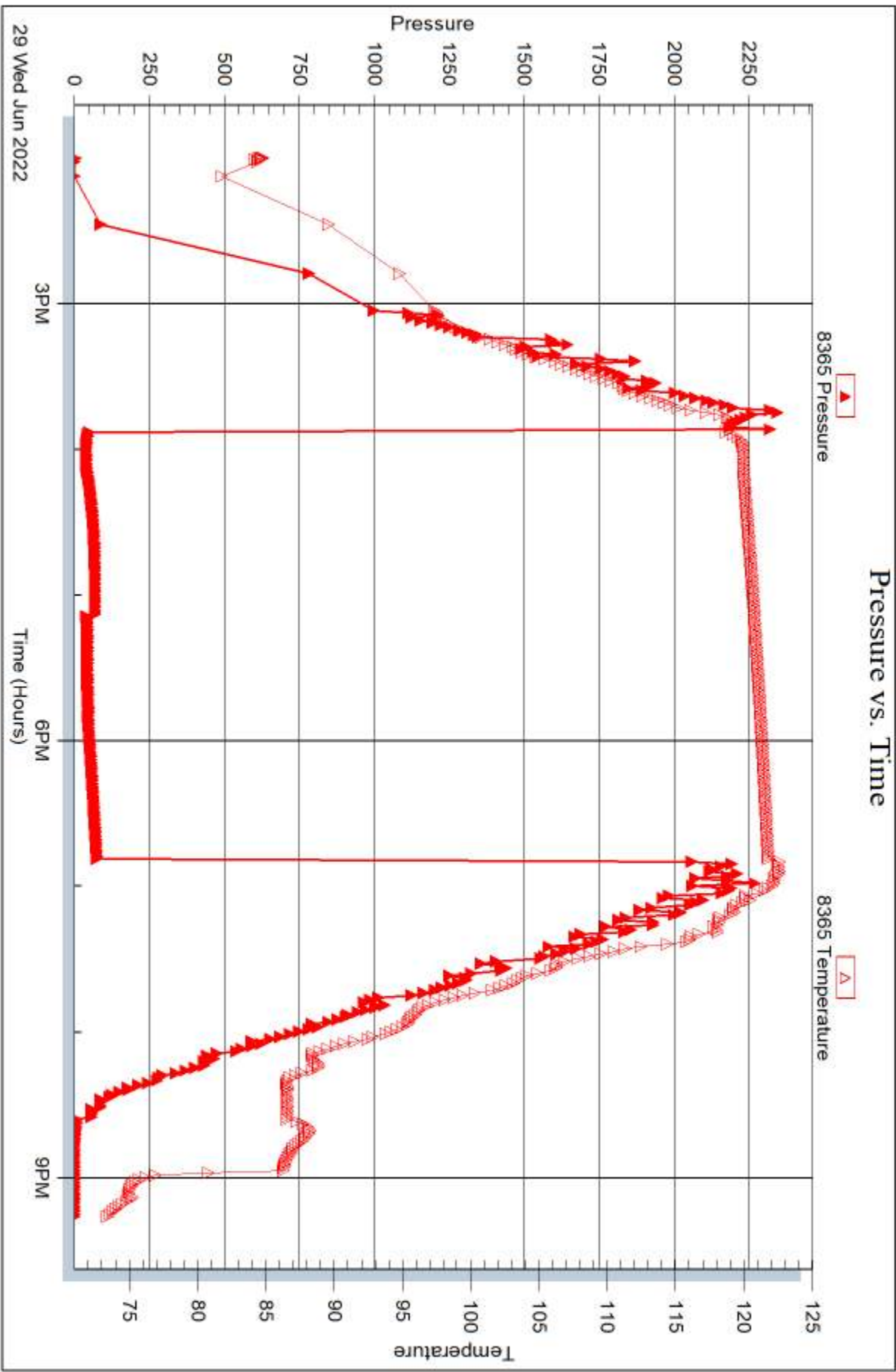


Serial #: 8365

Outside Shelby Resources LLC

NIS Unit #1-27

DST Test Number: 6



29 Wed Jun 2022

Triobite Testing, Inc

Ref. No: 68180

Printed: 2022.07.05 @ 11:09:49



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.06.30 @ 06:08:00

End Date: 2022.06.30 @ 14:06:02

Job Ticket #: 68181 DST #: 7

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

Printed: 2022.07.05 @ 11:08:44



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68181

DST#: 7

Test Start: 2022.06.30 @ 06:08:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:21:02

Time Test Ended: 14:06:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4567.00 ft (KB) To 4588.00 ft (KB) (TVD)

Reference Elevations: 1998.00 ft (KB)

Total Depth: 4588.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 192.33 psig @ 4573.00 ft (KB)

Capacity: psig

Start Date: 2022.06.30

End Date: 2022.06.30

Last Calib.: 2022.06.30

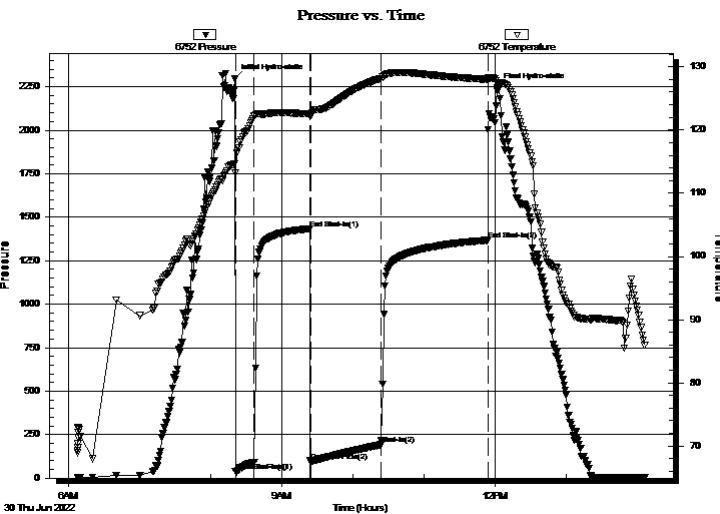
Start Time: 06:08:01

End Time: 14:06:02

Time On Btm: 2022.06.30 @ 08:20:32

Time Off Btm: 2022.06.30 @ 12:01:47

TEST COMMENT: IF: Fair Blow , Built to 7.66 inches
IS: No Blow Back
FF: Strong Blow , BOB in 23 minutes, Built to 29.28 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2293.85	114.65	Initial Hydro-static
1	40.51	113.27	Open To Flow (1)
17	90.29	122.17	Shut-In(1)
63	1433.16	122.54	End Shut-In(1)
64	99.17	122.21	Open To Flow (2)
124	192.33	128.18	Shut-In(2)
214	1367.90	128.07	End Shut-In(2)
222	2246.84	127.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	76 GIP	0.00
183.00	Water	1.47
189.00	OMCW 10%O 24%M 66%W	2.65
50.00	WMCO 30%W 30%M 40%O	0.70

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68181

DST#: 7

Test Start: 2022.06.30 @ 06:08:00

Tool Information

Drill Pipe:	Length: 4443.00 ft	Diameter: 3.80 inches	Volume: 62.32 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.91 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4567.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4545.00	
Hydraulic tool	5.00			4550.00	
Jars	5.00			4555.00	
Safety Joint	3.00			4558.00	
Packer	5.00			4563.00	27.00 Bottom Of Top Packer
Packer	4.00			4567.00	
Stubb	1.00			4568.00	
Handling Sub	5.00			4573.00	
Recorder	0.00	6752	Inside	4573.00	
Recorder	0.00	8365	Outside	4573.00	
Perforations	12.00			4585.00	
Bullnose	3.00			4588.00	21.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68181

DST#: 7

Test Start: 2022.06.30 @ 06:08:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 9.58 in³
Resistivity: ohm.m
Salinity: 8500.00 ppm
Filter Cake: 0.02 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	76 GIP	0.000
183.00	Water	1.474
189.00	OMCW 10%O 24%M 66%W	2.651
50.00	WMCO 30%W 30%M 40%O	0.701

Total Length: 422.00 ft Total Volume: 4.826 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

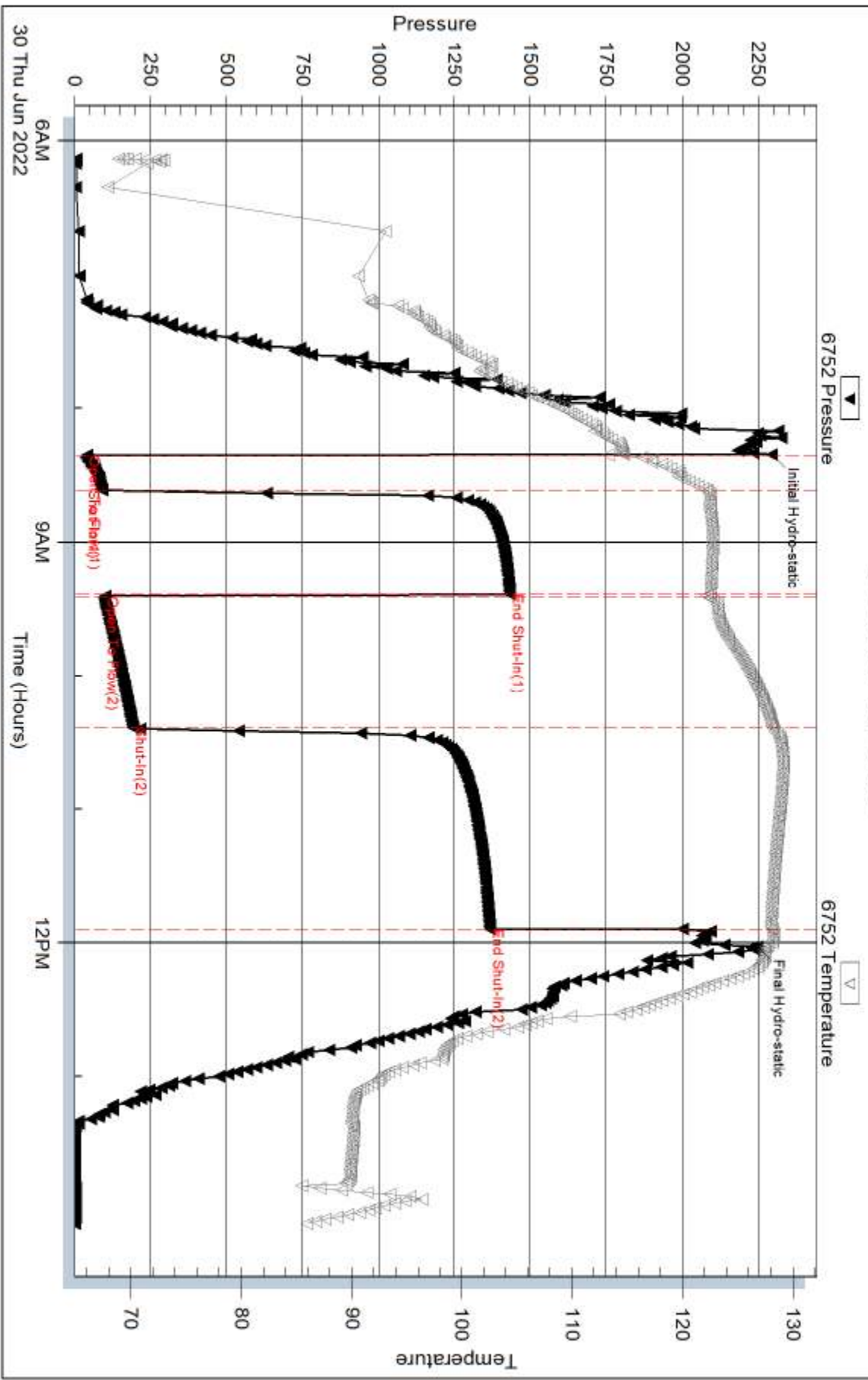
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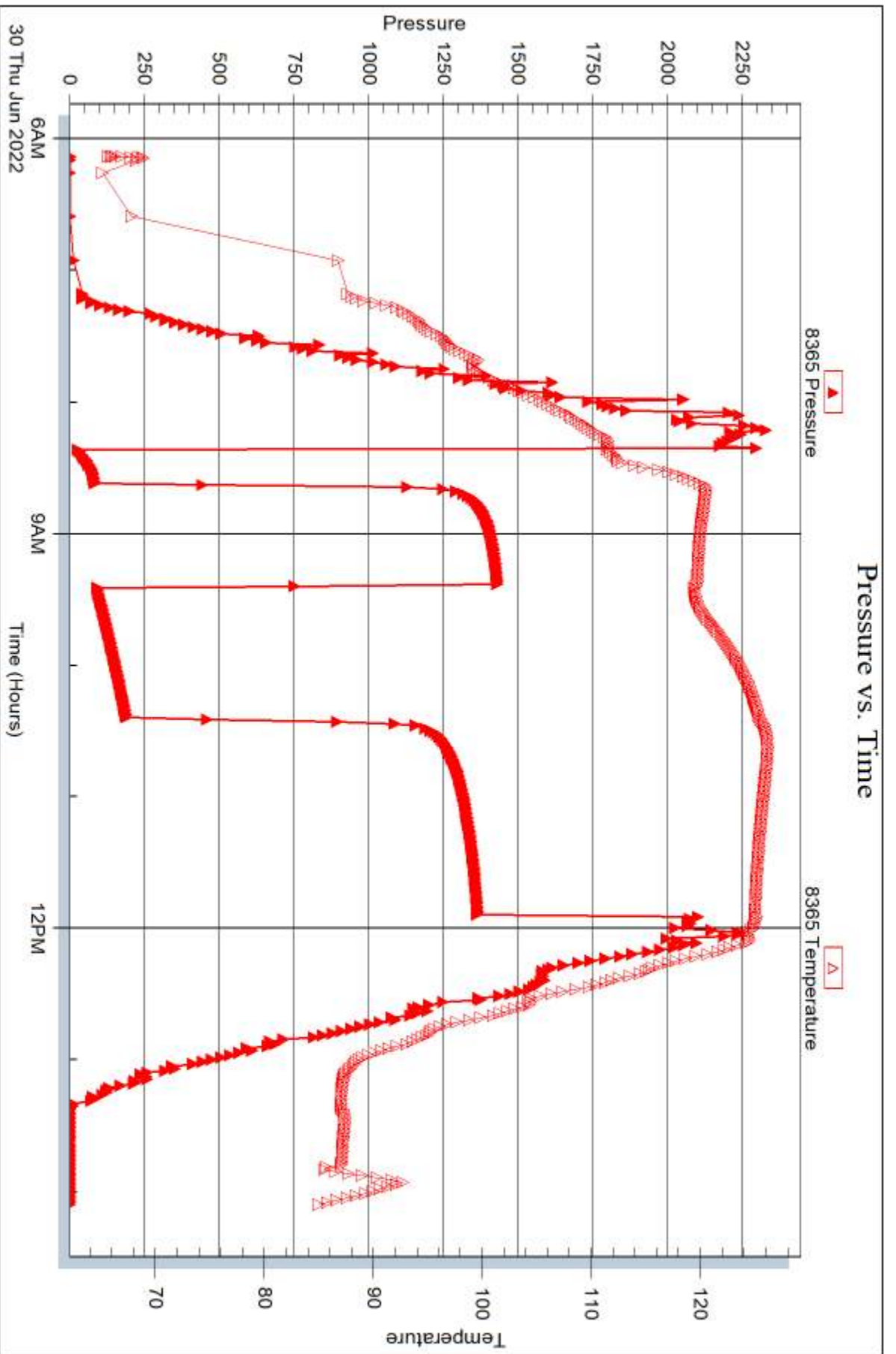
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

NS Unit #1-27

27-28S-14W Pratt,KS

Start Date: 2022.07.01 @ 00:12:00

End Date: 2022.07.01 @ 08:24:02

Job Ticket #: 68182 DST #: 8

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.07.05 @ 11:08:10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68182

DST#: 8

Test Start: 2022.07.01 @ 00:12:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:02

Time Test Ended: 08:24:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4595.00 ft (KB) To 4620.00 ft (KB) (TVD)

Reference Elevations: 1998.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 898.30 psig @ 4601.00 ft (KB)

Capacity: psig

Start Date: 2022.07.01

End Date: 2022.07.01

Last Calib.: 2022.07.01

Start Time: 00:12:01

End Time: 08:24:02

Time On Btm: 2022.07.01 @ 02:05:02

Time Off Btm: 2022.07.01 @ 05:39:02

TEST COMMENT: IF: Strong Blow , BOB in 3 minutes, Built to 55.95 inches
IS: 1.12 inch Blow Back
FF: Strong Blow , BOB in 4 minutes, Built to 168.24 inches
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2329.27	117.38	Initial Hydro-static
1	113.44	117.52	Open To Flow (1)
18	328.85	131.37	Shut-In(1)
64	1465.76	129.41	End Shut-In(1)
64	348.28	129.13	Open To Flow (2)
124	898.30	131.59	Shut-In(2)
213	1458.43	130.44	End Shut-In(2)
214	2214.02	130.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1632.00	Water	21.80
189.00	MCW 20%M 80%W	2.65

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68182

DST#: 8

Test Start: 2022.07.01 @ 00:12:00

Tool Information

Drill Pipe:	Length: 4472.00 ft	Diameter: 3.80 inches	Volume: 62.73 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 63.32 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4595.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4573.00	
Hydraulic tool	5.00			4578.00	
Jars	5.00			4583.00	
Safety Joint	3.00			4586.00	
Packer	5.00			4591.00	27.00 Bottom Of Top Packer
Packer	4.00			4595.00	
Stubb	1.00			4596.00	
Handling Sub	5.00			4601.00	
Recorder	0.00	6752	Inside	4601.00	
Recorder	0.00	8365	Outside	4601.00	
Perforations	16.00			4617.00	
Bullnose	3.00			4620.00	25.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

27-28S-14W Pratt,KS

3700 Quebec St
Ste 100 PMB 376
Denver, CO 80207
ATTN: Jeremy Schwartz

NS Unit #1-27

Job Ticket: 68182

DST#: 8

Test Start: 2022.07.01 @ 00:12:00

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:

52000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1632.00	Water	21.800
189.00	MCW 20%M 80%W	2.651

Total Length: 1821.00 ft Total Volume: 24.451 bbl

Num Fluid Samples: 0

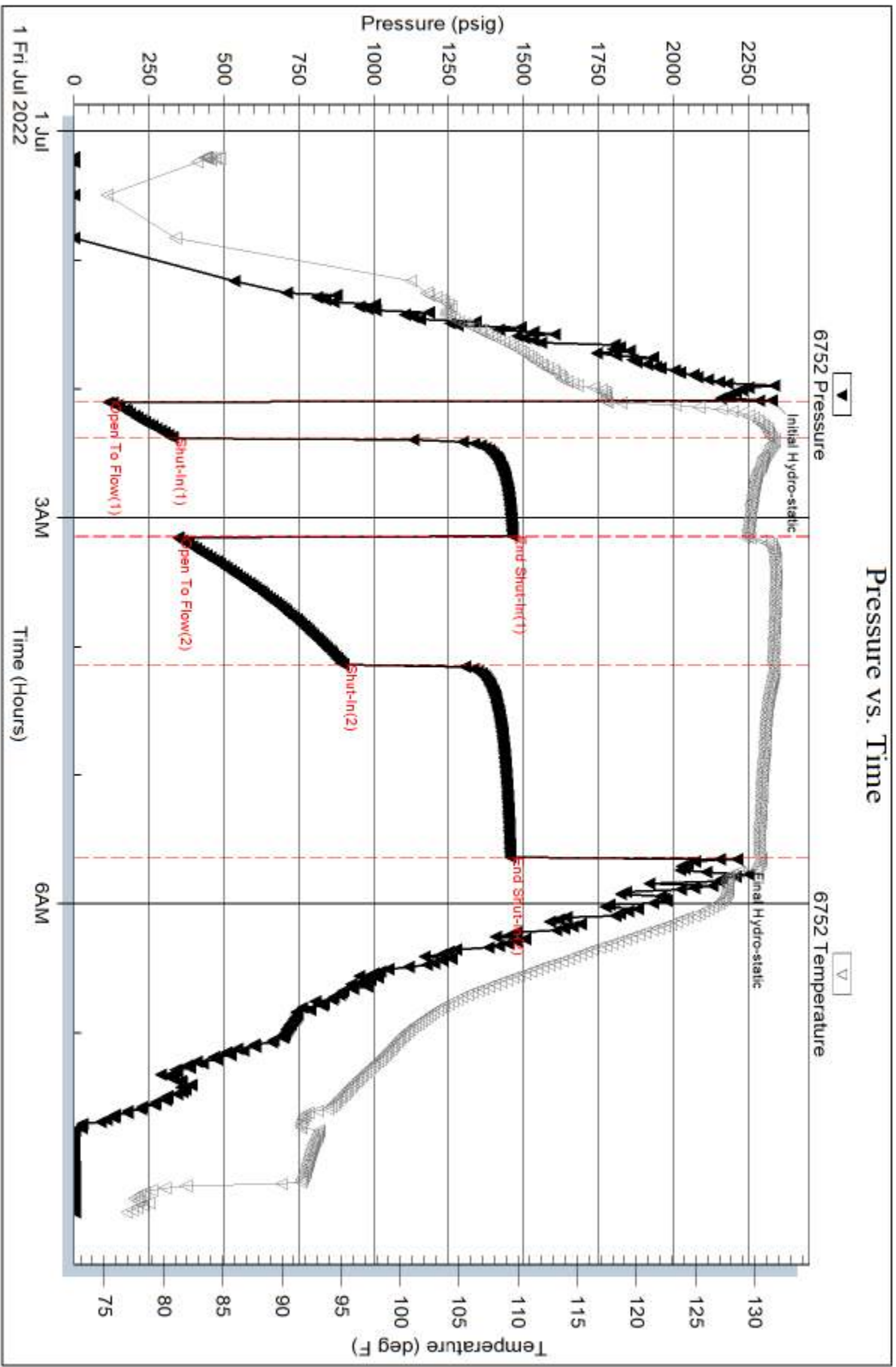
Num Gas Bombs: 0

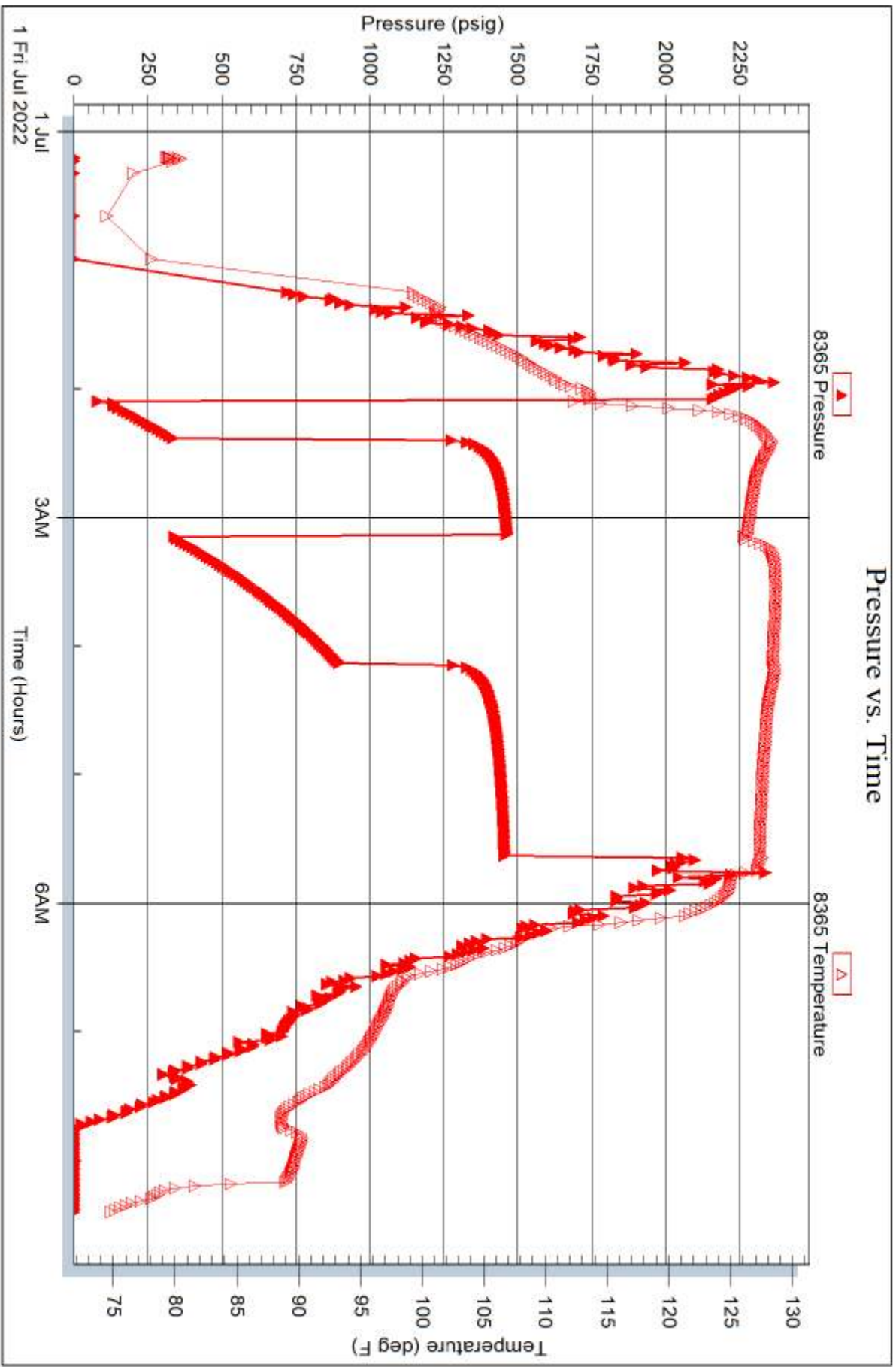
Serial #:

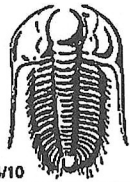
Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .13 @ 80 degrees







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65450

Well Name & No. NS Unit 1-27 Test No. 1 Date 06/24/22
 Company Shelby Resources LLC Elevation 1997 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

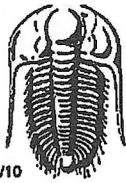
Interval Tested 3546 - 3565 Zone Tested Topeka
 Anchor Length 19 Drill Pipe Run 3427 Mud Wt. 8.9
 Top Packer Depth 3541 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 3546 Wt. Pipe Run 0 WL 8.8
 Total Depth 3565 Chlorides 6000 ppm System LCM 1

Blow Description IF: strong Blow, BOB in 1 minute, Built to 379.67 inches
IST: weak 14 inch Blow Back
FF: strong Blow, BOB immediate, GTS in 5 minutes, Gauged + Sampled
FSI: Blow Back Built to 92.71 inches

Rec	Feet of	%gas	%oil	%water	%mud
<u>2993</u>	<u>GIP</u>				
<u>90</u>	<u>GSY Oil</u>	<u>20</u>	<u>80</u>		<u>8</u>
<u>196</u>	<u>GMCO</u>	<u>10</u>	<u>80</u>		<u>10</u>
<u>248</u>	<u>G WOCM</u>	<u>10</u>	<u>25</u>	<u>20</u>	<u>45</u>
<u>120</u>	<u>Water</u>				

Rec Total 654 BHT 111 Gravity N/C API RW .1 @ 95 °F Chlorides 62000 ppm
 (A) Initial Hydrostatic 1749 Test 1800 T-On Location 09:45
 (B) First Initial Flow 56 Jars 300 T-Started 10:40
 (C) First Final Flow 99 Safety Joint _____ T-Open 12:59
 (D) Initial Shut-In 1301 Circ Sub _____ T-Pulled 16:30
 (E) Second Initial Flow 90 Hourly Standby _____ T-Out 19:02
 (F) Second Final Flow 219 Mileage 300 45 Comments _____
 (G) Final Shut-In 1297 Sampler _____
 (H) Final Hydrostatic 1683 Straddle _____ EM Tool _____
 Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 90 Day Standby _____ Sub Total 0
 Sub Total 2145 Accessibility _____ Total 2145
 Sub Total 2145 MP/DST Disc't _____

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68176**

Well Name & No. NS Unit 1-27 Test No. 2 Date 06/26/22
 Company Shelby Resources LLC Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4140 - 4226 Zone Tested Lansing "H-5"
 Anchor Length 86 Drill Pipe Run 4001 Mud Wt. 9.5
 Top Packer Depth 4135 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 4140 Wt. Pipe Run 6 WL 10.0
 Total Depth 4226 Chlorides 7500 ppm System LCM 1 1/2

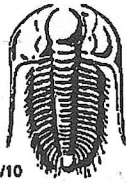
Blow Description FF: Strong Blow, BOB in 30 seconds, Built to 82.53 inches
ISI: NO Blow Back
FF: Strong Blow, BOB Immediate, Built to 104.89 inches
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1406</u>	<u>GIP</u>				
<u>160</u>	<u>GCM</u>	<u>10%</u>			<u>90%</u>

Rec Total 160 BHT 120 Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

(A) Initial Hydrostatic <u>2107</u>	<input checked="" type="checkbox"/> Test 1950	T-On Location <u>16:15</u>
(B) First Initial Flow <u>71</u>	<input checked="" type="checkbox"/> Jars 300	T-Started <u>17:28</u>
(C) First Final Flow <u>88</u>	<input type="checkbox"/> Safety Joint	T-Open <u>19:36</u>
(D) Initial Shut-In <u>1140</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>23:07</u>
(E) Second Initial Flow <u>74</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>01:18</u>
(F) Second Final Flow <u>127</u>	<input checked="" type="checkbox"/> Mileage <u>30</u> 45	Comments _____
(G) Final Shut-In <u>1188</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2069</u>	<input type="checkbox"/> Straddle	_____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> EM Tool
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>2295</u>	Total <u>2295</u>
		MP/DST Disc't _____

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



4/10

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test TicketNO. **68177**

Well Name & No. NS Unit 1-27 Test No. 3 Date 06/27/22
 Company Shelby Resources LLC Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4226 - 4291 Zone Tested Lansing "K-L"
 Anchor Length 65 Drill Pipe Run 4094 Mud Wt. 9.2
 Top Packer Depth 4221 Drill Collars Run 120 Vis 51
 Bottom Packer Depth 4226 Wt. Pipe Run 0 WL 8.8
 Total Depth 4291 Chlorides 6000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 3 minutes, Built to 30.09 inches
ISZ: Blow Back Built to .68 inches
FI: Strong Blow, BOB in 3 minutes, Built to 139.19 inches
FSI: Blow Back Built to 1.02 inches

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>505 MW</u>	<u>2</u>	<u>60</u>	<u>38</u>	
<u>126</u>	<u>MCW</u>		<u>25</u>	<u>15</u>	
<u>1197</u>	<u>Water</u>				

Rec Total 1386 BHT 119 Gravity NIC API RW .12 @ 77 °F Chlorides 58000 ppm

(A) Initial Hydrostatic <u>2097</u>	<input checked="" type="checkbox"/> Test 1950	T-On Location <u>10:45</u>
(B) First Initial Flow <u>130</u>	<input checked="" type="checkbox"/> Jars 300	T-Started <u>11:24</u>
(C) First Final Flow <u>285</u>	<input type="checkbox"/> Safety Joint	T-Open <u>13:56</u>
(D) Initial Shut-In <u>1534</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>17:20</u>
(E) Second Initial Flow <u>325</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:58</u>
(F) Second Final Flow <u>772</u>	<input checked="" type="checkbox"/> Mileage <u>302</u> 45	Comments _____
(G) Final Shut-In <u>1515</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2036</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-175</u>
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>-175</u>
	<input type="checkbox"/> Accessibility	Total <u>2120</u>
	Sub Total <u>2295</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68178**

Well Name & No. NS Unit 1-27 Test No. 4 Date 06/28/22
 Company Shelby Resources Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4389 - 4425 Zone Tested Marmaton
 Anchor Length 36 Drill Pipe Run 4253 Mud Wt. 9.2
 Top Packer Depth 4384 Drill Collars Run 120 Vis 51
 Bottom Packer Depth 4389 Wt. Pipe Run 0 WL 8.8
 Total Depth 4425 Chlorides 6000 ppm System LCM 2

Blow Description IF: strong Blow, BOB in 10 seconds, GTS in 4 minutes, Gauged + Sampled
ISI: 8.1 inch Blow Back

FF: strong Blow, BOB + GTS Immediate, Gauged Gas

FSI: 21.31 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>3835</u>	<u>GI P</u>				
<u>229</u>	<u>GS4 oil</u>	<u>20</u>	<u>80</u>		
<u>249</u>	<u>GOMCW</u>	<u>10</u>	<u>10</u>	<u>66</u>	<u>14</u>
<u>60</u>	<u>Water</u>				

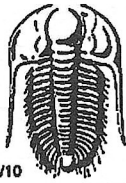
Rec Total 538 BHT 121 Gravity 33 API RW .08 @ 92 ° F Chlorides 74000 ppm

(A) Initial Hydrostatic	<u>2199</u>	<input checked="" type="checkbox"/> Test	<u>1950</u>	T-On Location	<u>08:30</u>
(B) First Initial Flow	<u>488</u>	<input checked="" type="checkbox"/> Jars	<u>300</u>	T-Started	<u>09:17</u>
(C) First Final Flow	<u>286</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>11:46</u>
(D) Initial Shut-In	<u>1314</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>15:18</u>
(E) Second Initial Flow	<u>329</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>17:07</u>
(F) Second Final Flow	<u>263</u>	<input checked="" type="checkbox"/> Mileage	<u>30</u> 45	Comments	
(G) Final Shut-In	<u>1040</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2119</u>	<input type="checkbox"/> Straddle			

Initial Open	<u>15</u>	<input checked="" type="checkbox"/> EM Tool	
Initial Shut-In	<u>45</u>	<input type="checkbox"/> Ruined Shale Packer	
Final Flow	<u>60</u>	<input type="checkbox"/> Ruined Packer	
Final Shut-In	<u>90</u>	<input type="checkbox"/> Extra Copies	
Sub Total	<u>0</u>	Total	<u>2295</u>
Sub Total	<u>2295</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. **68179**

Well Name & No. NS Unit 1-27 Test No. 5 Date 06/29/22
 Company Shelby Resources LLC Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4491 - 4559 Zone Tested Viola
 Anchor Length 68 Drill Pipe Run 4346 Mud Wt. 9.3
 Top Packer Depth 4486 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 4491 Wt. Pipe Run 0 WL 9.0
 Total Depth 4559 Chlorides 6000 ppm System LCM 1/2
 Blow Description IF: Packer Failure, tried to reset, Failed, Pulled Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Drilling Mud</u>				

Rec Total 120 BHT 120 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic <u>2307</u>	<input checked="" type="checkbox"/> Test <u>1500</u>	T-On Location <u>08:30</u>
(B) First Initial Flow <u>N/A</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>08:50</u>
(C) First Final Flow <u>N/A</u>	<input type="checkbox"/> Safety Joint	T-Open <u>10:57</u>
(D) Initial Shut-In <u>N/A</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:04</u>
(E) Second Initial Flow <u>N/A</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>13:52</u>
(F) Second Final Flow <u>N/A</u>	<input checked="" type="checkbox"/> Mileage <u>302</u> 45	Comments <u>Packer Failure</u>
(G) Final Shut-In <u>N/A</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2277</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool
Initial Open <u>N/A</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>N/A</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>N/A</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>N/A</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1845</u>
	Sub Total <u>1845</u>	MP/DST Disc't

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68180**

Well Name & No. NS UNH 1-27 Test No. 6 Date 06/29/22
 Company Shelby Resources LLC Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4509 - 4559 Zone Tested Viola
 Anchor Length 50 Drill Pipe Run 4379 Mud Wt. 9.3
 Top Packer Depth 4504 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 4509 Wt. Pipe Run 0 WL 9.0
 Total Depth 4559 Chlorides 6000 ppm System LCM 1'12

Blow Description IF: weak Blow, Built to 5.37 inches

ISI: NO BLOW BACK

EF: weak Blow, Built to 2.66 inches

FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				

Rec Total 5 BHT 125 Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

(A) Initial Hydrostatic	<u>2398</u>	<input checked="" type="checkbox"/> Test	<u>1950</u>	T-On Location	<u>13:52</u>
(B) First Initial Flow	<u>67</u>	<input checked="" type="checkbox"/> Jars	<u>300</u>	T-Started	<u>14:00</u>
(C) First Final Flow	<u>50</u>	<input checked="" type="checkbox"/> Safety Joint		T-Open	<u>15:52</u>
(D) Initial Shut-In	<u>75</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>18:49</u>
(E) Second Initial Flow	<u>47</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>21:16</u>
(F) Second Final Flow	<u>54</u>	<input checked="" type="checkbox"/> Mileage	<u>stayed @ Rig</u>	Comments	
(G) Final Shut-In	<u>81</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2240</u>	<input type="checkbox"/> Straddle		<input checked="" type="checkbox"/> EM Tool	
Initial Open	<u>15</u>	<input checked="" type="checkbox"/> Shale Packer	<u>250</u>	<input type="checkbox"/> Ruined Shale Packer	
Initial Shut-In	<u>45</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Ruined Packer	
Final Flow	<u>40</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>0</u>
		<input type="checkbox"/> Accessibility		Total	<u>2500</u>
		Sub Total	<u>2500</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. **68181**

Well Name & No. NS Unit 1-27 Test No. 7 Date 06/30/22
 Company Shelby Resources LLC Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4567 - 4588 Zone Tested Simpson
 Anchor Length 21 Drill Pipe Run 4443 Mud Wt. 9.4
 Top Packer Depth 4562 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 4567 Wt. Pipe Run 0 WL 9.6
 Total Depth 4588 Chlorides 8500 ppm System LCM 1 1/2

Blow Description IF: Fair Blow, Built to 7.66 inches

ISI: NO BLOW BACK

FF: Strong Blow, BOR in 23 minutes, Built to 29.28 inches

FSI: NO BLOW BACK

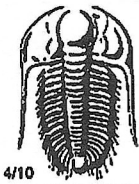
Rec	Feet of	%gas	%oil	%water	%mud
<u>76</u>	<u>GIP</u>				
<u>50</u>	<u>WMCO</u>	<u>40</u>	<u>30</u>	<u>30</u>	<u>30</u>
<u>189</u>	<u>OMCW</u>	<u>10</u>	<u>66</u>	<u>24</u>	<u>24</u>
<u>183</u>	<u>Water</u>				
Rec Total	<u>422</u>				

BHT 129 Gravity NIC API RW. 11 @ 86 °F Chlorides 56000 ppm

(A) Initial Hydrostatic <u>2294</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>05:45</u>
(B) First Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>06:08</u>
(C) First Final Flow <u>90</u>	<input type="checkbox"/> Safety Joint	T-Open <u>08:21</u>
(D) Initial Shut-In <u>1433</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:53</u>
(E) Second Initial Flow <u>99</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:06</u>
(F) Second Final Flow <u>192</u>	<input checked="" type="checkbox"/> Mileage <u>(30)</u> 45	Comments _____
(G) Final Shut-In <u>1368</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2247</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>2545</u>
	Sub Total <u>2545</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. **68182**

Well Name & No. NS Unit 1-27 Test No. 8 Date 06/30/22
 Company Shelby Resources LLC Elevation 1998 KB 1986 GL
 Address 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207
 Co. Rep / Geo. Jeremy Schwartz Rig Fossil 3
 Location: Sec. 27 Twp 28S Rge. 14W Co. Pratt State KS

Interval Tested 4595 - 4620 Zone Tested Simpson
 Anchor Length 25 Drill Pipe Run 4472 Mud Wt. 9.3
 Top Packer Depth 4590 Drill Collars Run 120 Vis 65
 Bottom Packer Depth 4595 Wt. Pipe Run 0 WL 10.0
 Total Depth 4620 Chlorides 6000 ppm System LCM 3

Blow Description IF: Strong Blow, BOB in 3 minutes, Built to 55.95 inches
ISF: 1.12 inch Blow Back
FF: Strong Blow, BOB in 4 minutes, Built to 168.24 inches
FJI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>189</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
<u>1632</u>	<u>Water</u>				

Rec Total 1821 BHT 131 Gravity 1.12 API RW .13 @ 80 °F Chlorides 52000 ppm

(A) Initial Hydrostatic <u>2329</u>	<input checked="" type="checkbox"/> Test 1950	T-On Location <u>23:30</u>
(B) First Initial Flow <u>113</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>00:12</u>
(C) First Final Flow <u>329</u>	<input type="checkbox"/> Safety Joint	T-Open <u>02:06</u>
(D) Initial Shut-In <u>1466</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>05:38</u>
(E) Second Initial Flow <u>348</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>08:24</u>
(F) Second Final Flow <u>898</u>	<input checked="" type="checkbox"/> Mileage <u>30</u> 45	Comments _____
(G) Final Shut-In <u>1458</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2214</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer 250	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>2545</u>
	Sub Total <u>2545</u>	MP/DST Disc't _____

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Scale 1:240 Imperial

Well Name: N-S Unit #1-27
 Surface Location: 223' FSL_834' FEL, Sec. 27-T28s-R14w
 Bottom Location:
 API: 15-151-22548-00-00
 License Number: 31725
 Spud Date: 6/20/2022 Time: 2:00 PM
 Region: Pratt County
 Drilling Completed: 7/1/2022 Time: 11:00 PM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1986.00ft
 K.B. Elevation: 1998.00ft
 Logged Interval: 3300.00ft To: 4800.00ft
 Total Depth: 4800.00ft
 Formation:
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 3700 Quebec St. Unit 100 PMB 376
 Denver, CO 80207

Contact Geologist: Jeremy Schwartz
 Contact Phone Nbr: 203-671-6034
 Well Name: N-S Unit #1-27
 Location: 223' FSL_834' FEL, Sec. 27-T28s-R14w
 API: 15-151-22548-00-00
 Pool:
 State: Kansas Field: USA
 Country: USA

LOGGED BY



Company: Mile High Exploration, LLC
 Address: 14645 Sterling Road
 Colorado Springs, CO 80921

Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

NOTES

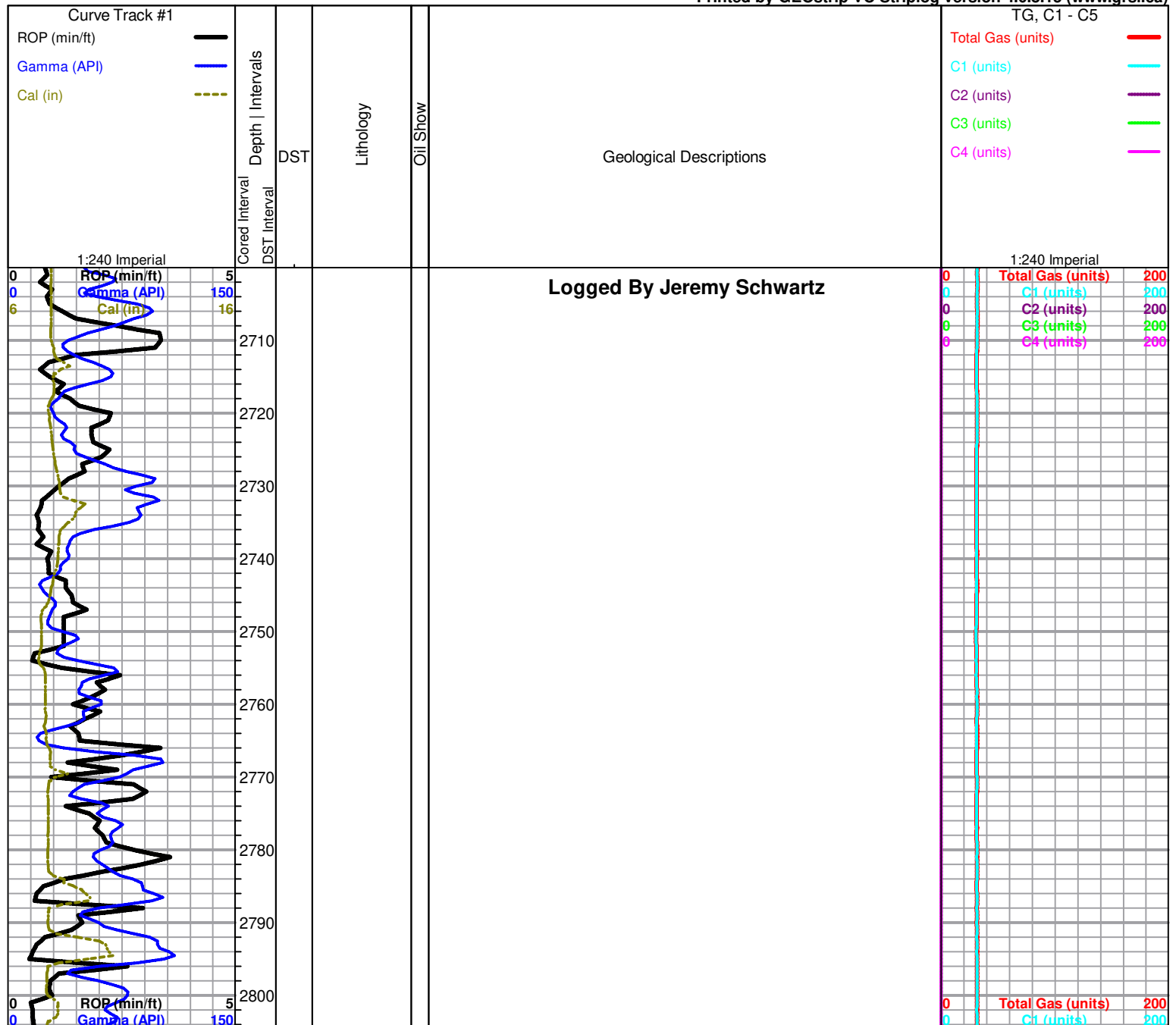
The Shelby Resources, LLC N-S Unit #1-27 was drilled to a total depth of 4800', bottoming in the Arbuckle. An iBall Instruments Bloodhound gas detector was employed in the drilling of said well

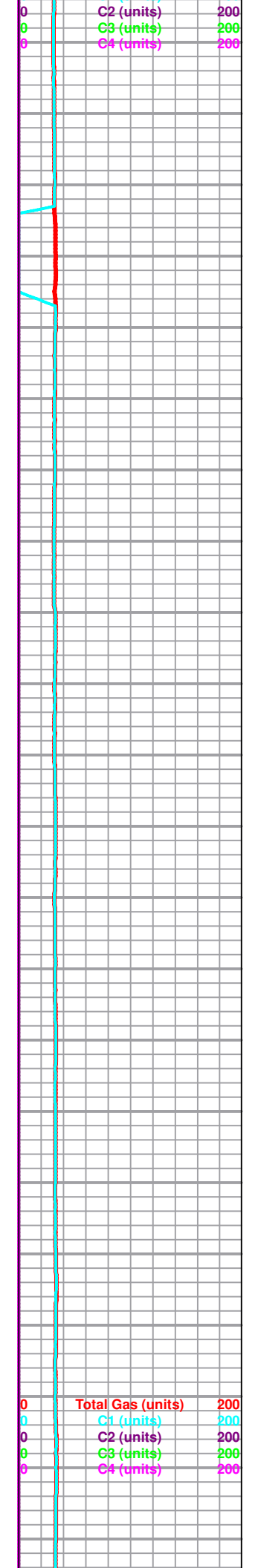
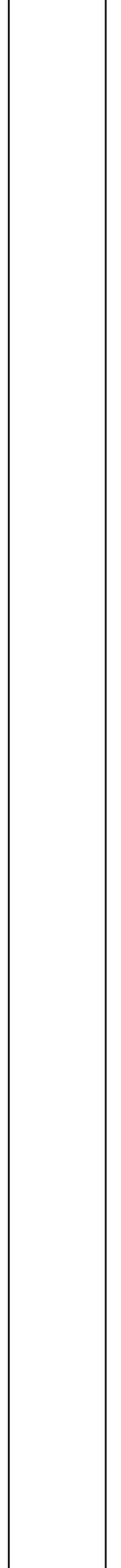
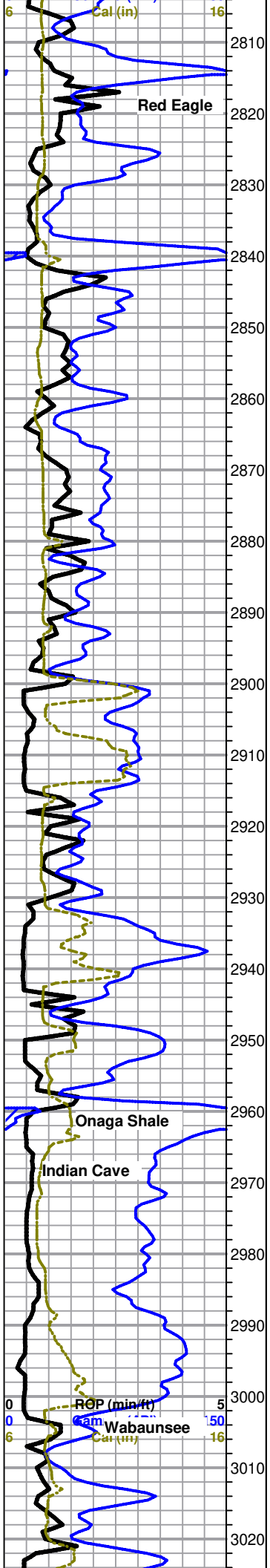
- Varicolored chert
- P Pyrite
- F Fossils < 20%
- Oolite
- Oolites
- Oomoldic
- Chert
- Dolomite
- Limestone
- Sandstone
- Siltstone
- Shale
- green shale
- red shale
- Chalky

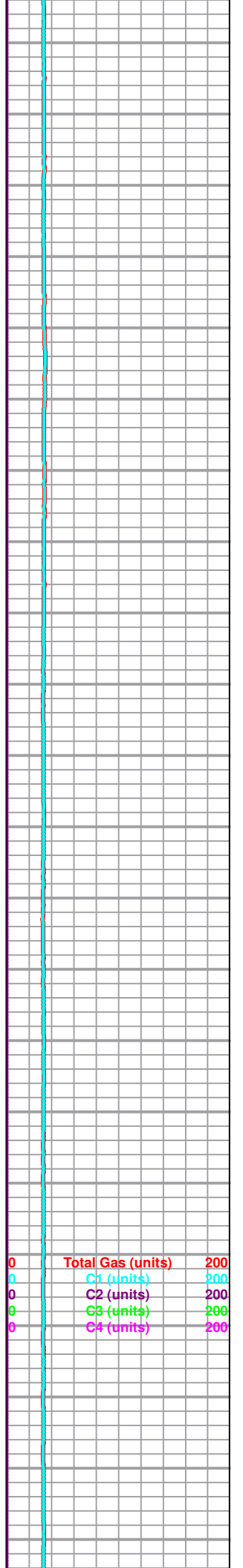
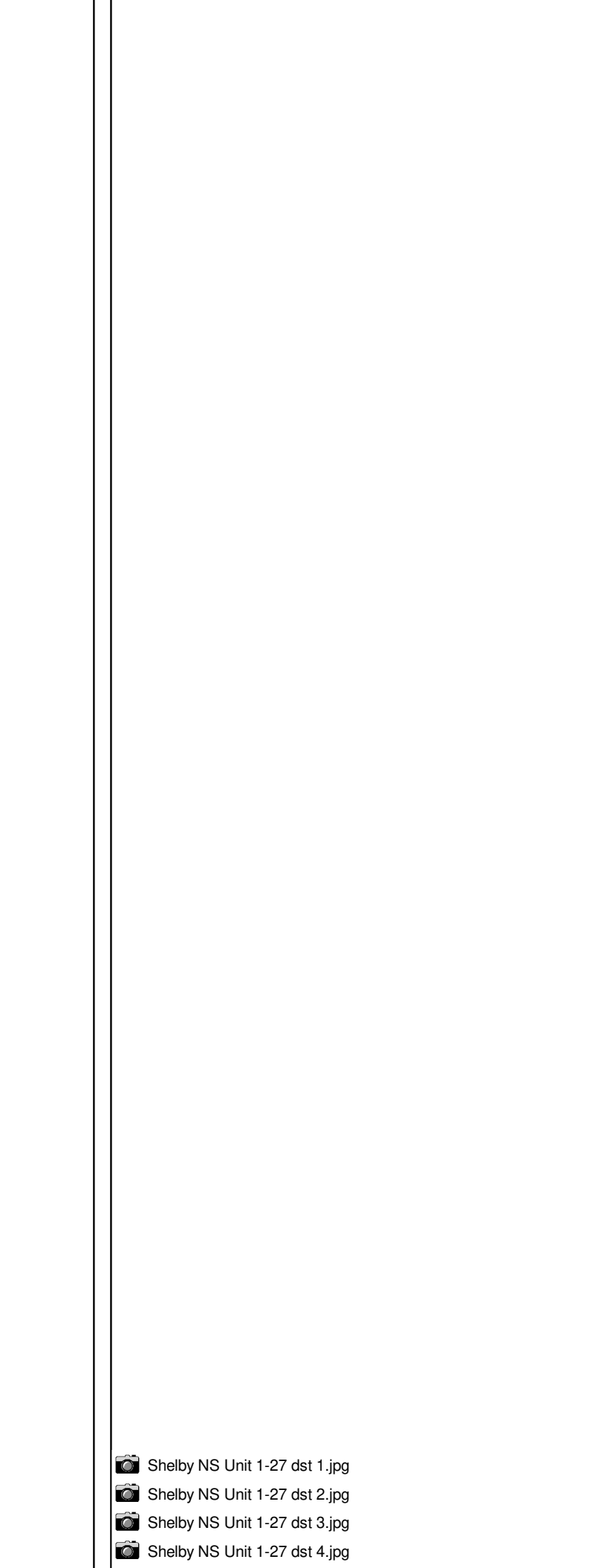
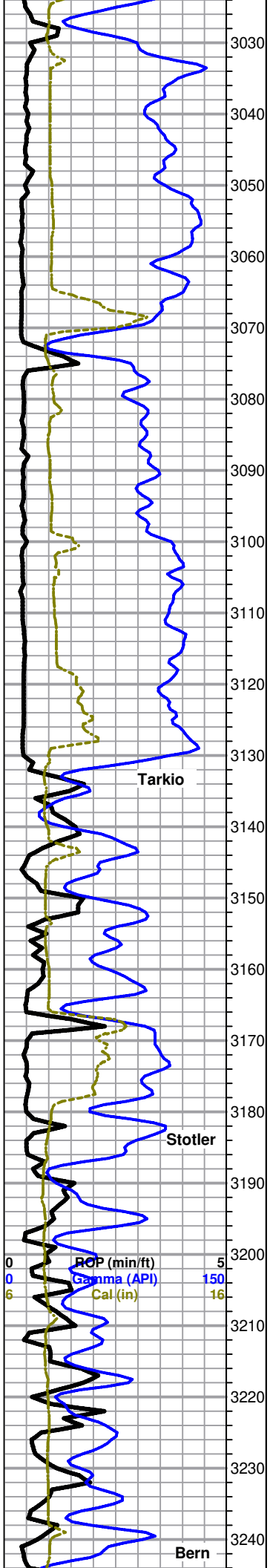
OTHER SYMBOLS

- MISC**
- Daily Report
 - Digital Photo
 - Document
 - Folder
 - Link
 - Vertical Log File
 - Horizontal Log File
 - Core Log File
 - Drill Cuttings Rpt
- DST**
- DST Int
 - DST alt





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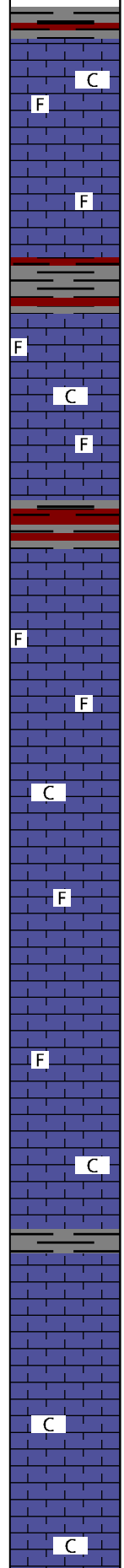
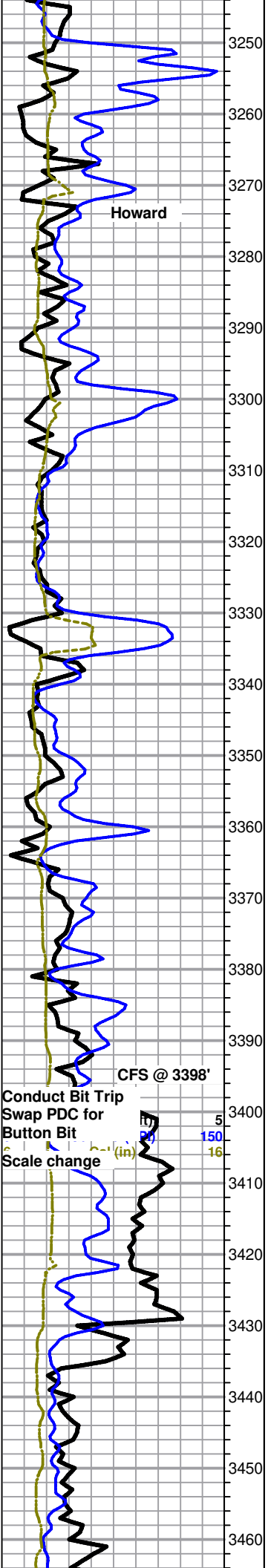




- Shelby NS Unit 1-27 dst 1.jpg
- Shelby NS Unit 1-27 dst 2.jpg
- Shelby NS Unit 1-27 dst 3.jpg
- Shelby NS Unit 1-27 dst 4.jpg

-  Shelby NS Unit 1-27 dst 5.jpg
-  Shelby NS Unit 1-27 dst 6.jpg
-  Shelby NS Unit 1-27 dst 7.jpg
-  Shelby NS Unit 1-27 dst 8.jpg

20' wet and dry samples start @ 3300'



Mostly gray and red shale, with some scattered LS, micro-xln, cream to gray with some scattered white, lithographic to slightly fossiliferous, poor vis porosity, no show or odor

Shale and LS as above, no show or odor

Influx LS, cream to gray with some scattered white and brown, mostly fossiliferous with poor vis porosity, no show or odor

LS as above, no show or odor

Influx gray to brown fossiliferous LS, dense with poor vis porosity, also with cream to white LS as above, no show or odor

LS, cream to white, micro-xln, lithographic to fossiliferous with poor vis porosity, with scattered gray fossiliferous, no show or odor

3398' 30 & 60" LS, cream to white with some scattered gray as above, poor vis porosity, no show or odor

LS, cream, micro-xln, mostly lithographic with poor vis porosity, some scattered white chalky, no show or odor

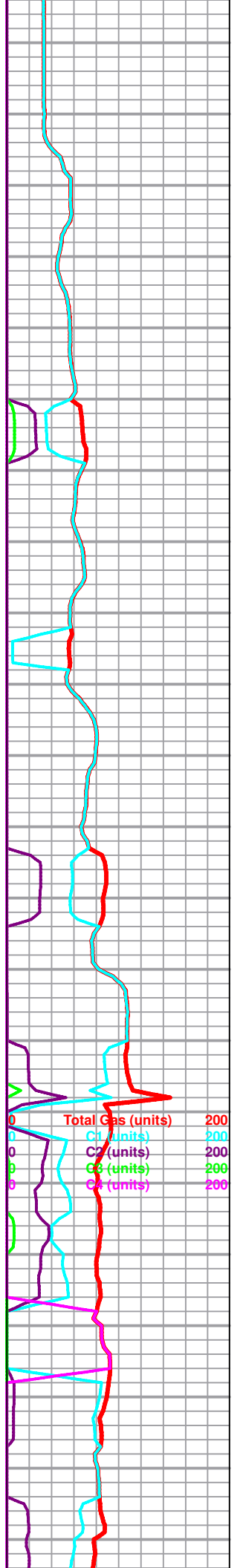
Topeka 3423 (-1425)

LS as above, some scattered re-crystallization, poor vis porosity, no show or odor

LS as above, slight influx gray, micro-xln, mostly lithographic with poor vis porosity, no show or odor

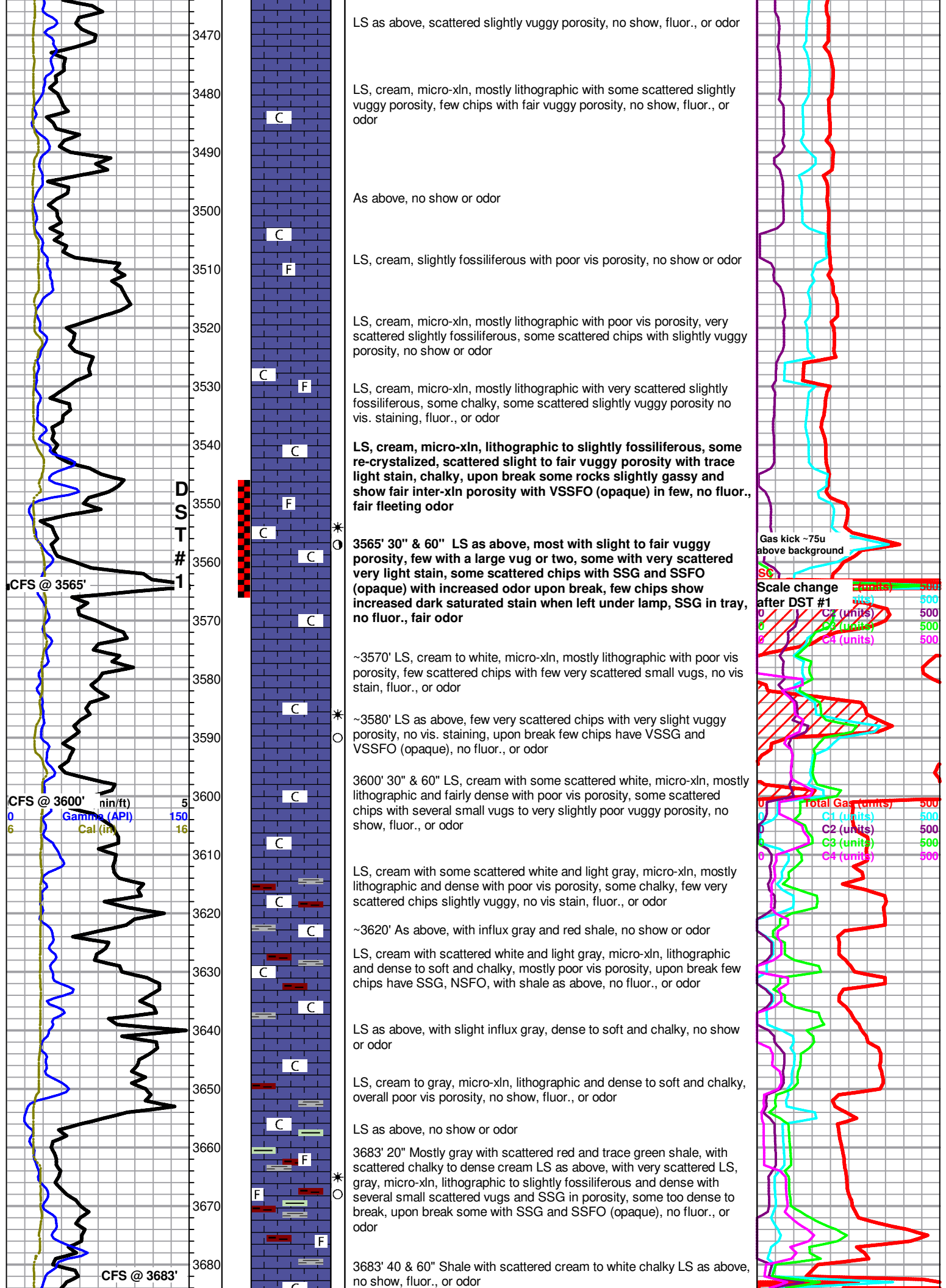
LS, cream with some scattered gray and white, micro-xln, mostly lithographic with poor vis porosity, no show or odor

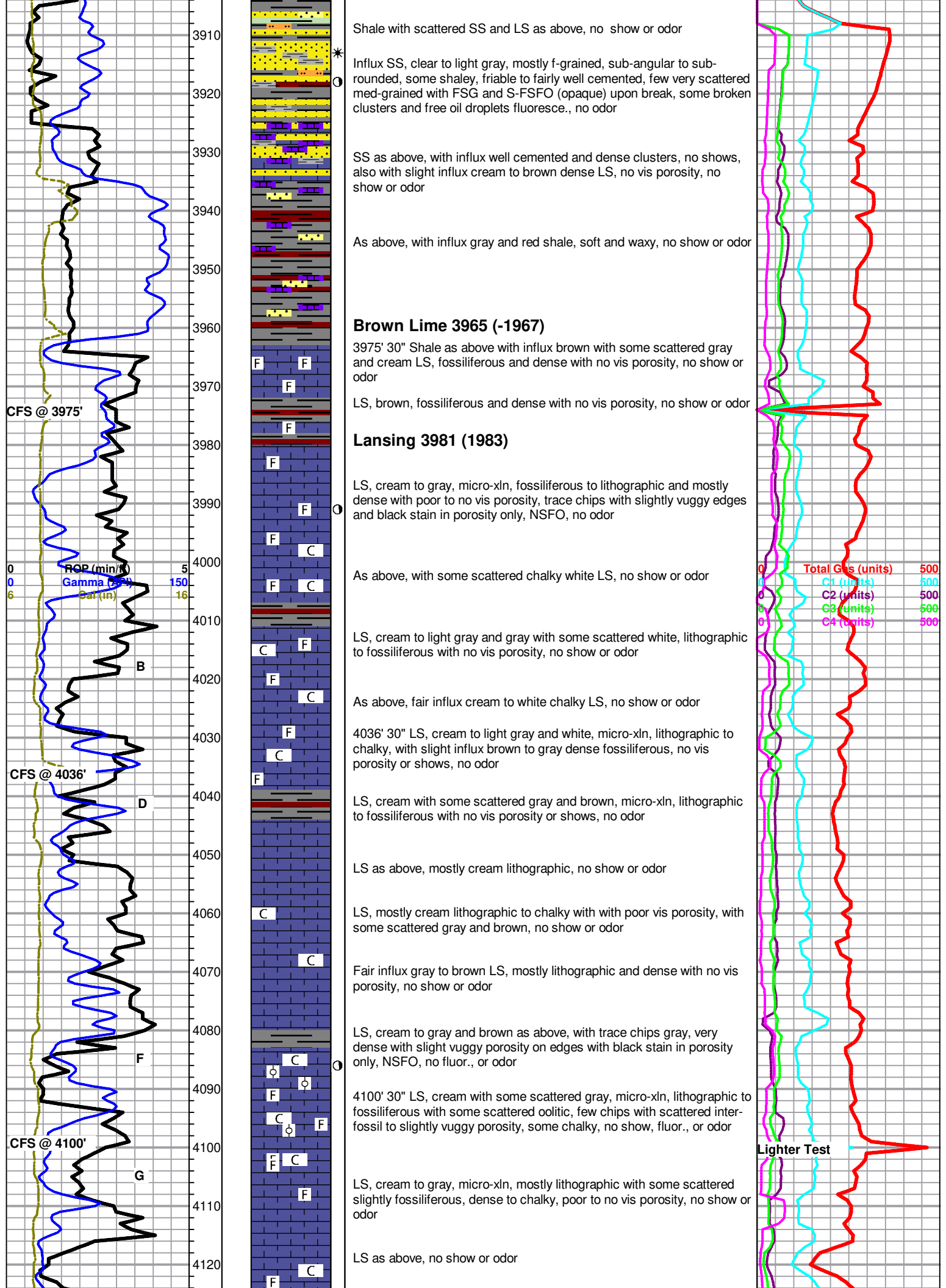
LS as above, slight influx re-crystallized chips with slightly vuggy porosity, barren, no show, fluor., or odor



Conduct Bit Trip
Swap PDC for
Button Bit
Scale change
5
150
16
(in)

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
C3 (units) 200
C4 (units) 200





Shale with scattered SS and LS as above, no show or odor

Influx SS, clear to light gray, mostly f-grained, sub-angular to sub-rounded, some shaley, friable to fairly well cemented, few very scattered med-grained with FSG and S-FSFO (opaque) upon break, some broken clusters and free oil droplets fluoresce., no odor

SS as above, with influx well cemented and dense clusters, no shows, also with slight influx cream to brown dense LS, no vis porosity, no show or odor

As above, with influx gray and red shale, soft and waxy, no show or odor

Brown Lime 3965 (-1967)

3975' 30" Shale as above with influx brown with some scattered gray and cream LS, fossiliferous and dense with no vis porosity, no show or odor

LS, brown, fossiliferous and dense with no vis porosity, no show or odor

Lansing 3981 (1983)

LS, cream to gray, micro-xln, fossiliferous to lithographic and mostly dense with poor to no vis porosity, trace chips with slightly vuggy edges and black stain in porosity only, NSFO, no odor

As above, with some scattered chalky white LS, no show or odor

LS, cream to light gray and gray with some scattered white, lithographic to fossiliferous with no vis porosity, no show or odor

As above, fair influx cream to white chalky LS, no show or odor

4036' 30" LS, cream to light gray and white, micro-xln, lithographic to chalky, with slight influx brown to gray dense fossiliferous, no vis porosity or shows, no odor

LS, cream with some scattered gray and brown, micro-xln, lithographic to fossiliferous with no vis porosity or shows, no odor

LS as above, mostly cream lithographic, no show or odor

LS, mostly cream lithographic to chalky with with poor vis porosity, with some scattered gray and brown, no show or odor

Fair influx gray to brown LS, mostly lithographic and dense with no vis porosity, no show or odor

LS, cream to gray and brown as above, with trace chips gray, very dense with slight vuggy porosity on edges with black stain in porosity only, NSFO, no fluor., or odor

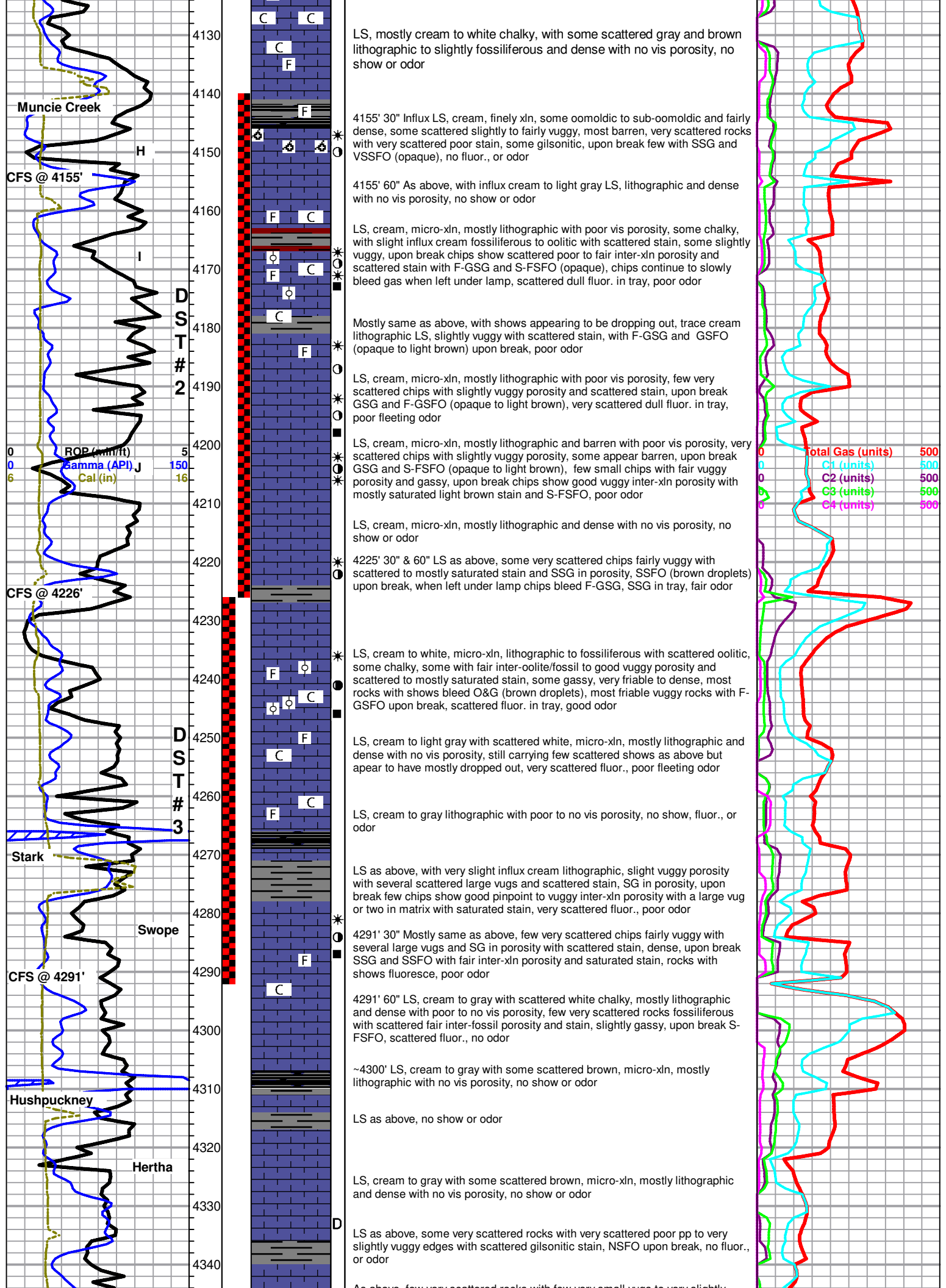
4100' 30" LS, cream with some scattered gray, micro-xln, lithographic to fossiliferous with some scattered oolitic, few chips with scattered inter-fossil to slightly vuggy porosity, some chalky, no show, fluor., or odor

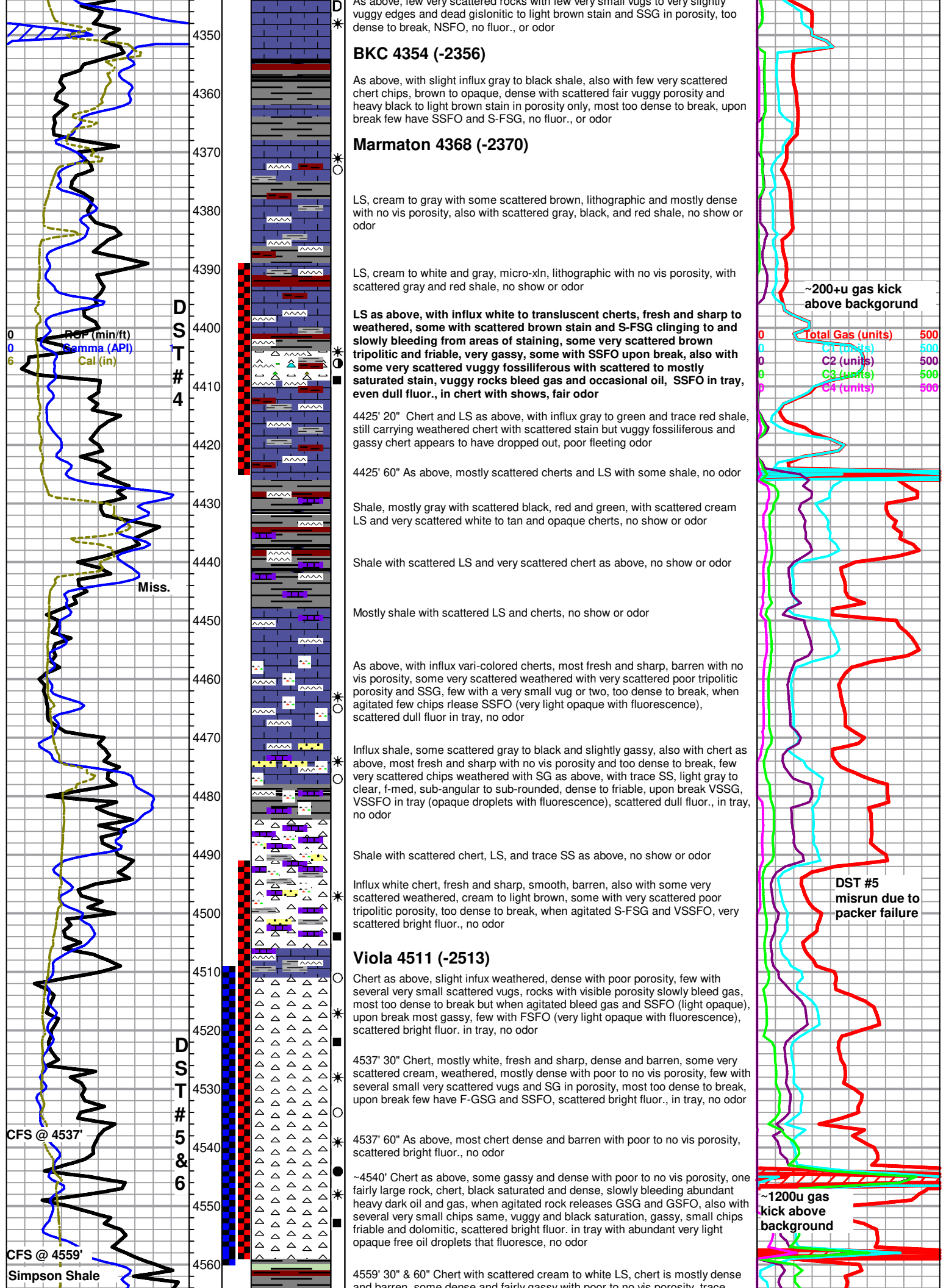
LS, cream to gray, micro-xln, mostly lithographic with some scattered slightly fossiliferous, dense to chalky, poor to no vis porosity, no show or odor

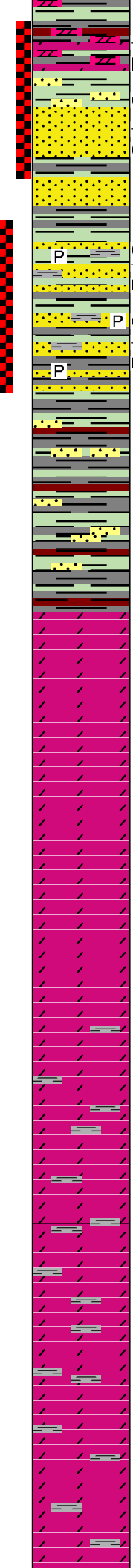
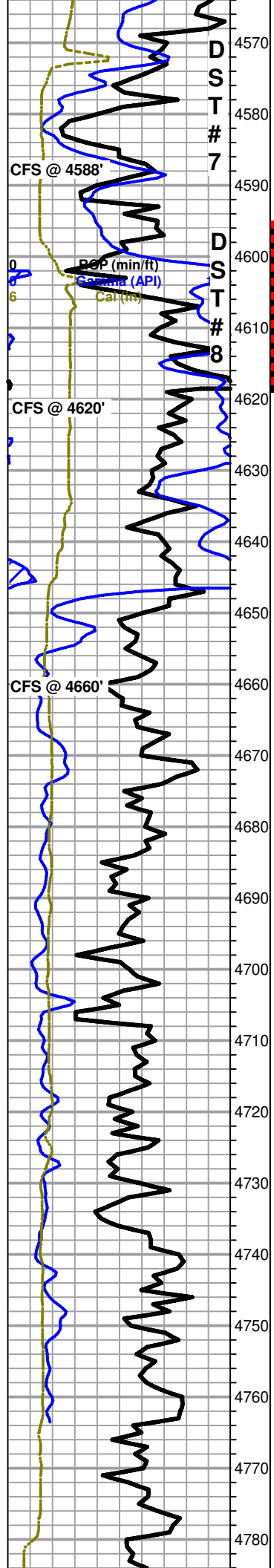
LS as above, no show or odor

Total Gas (units) 500
 C1 (units) 500
 C2 (units) 500
 C3 (units) 500
 C4 (units) 500

Lighter Test







and barren, some dense and fairly gassy with poor to no vis porosity, trace small vuggy saturated chips as above, very scattered dull fluor., no odor

~4570' Shale. gray to green and scattered red, with influx dolomite, white with some scattered light gray, rhombic to sub-rhombic and fairly well developed, most fairly friable, some barren, some shaley with scattered dead stain, upon break F-GSG, few with VSSFO, trace small dolomite chips very vuggy with black saturated stain, no odor

4588' 30" Influx brown sucrosic dolomite to dolomitic SS, some fairly dense, some fairly vuggy and gassy with scattered dark stain and S-FSFO upon break, also with fair influx clean SS, saturated light brown to clear, med-grained, sub-rounded to rounded, friable with good porosity, most slowly bleed O&G, upon break most release F-GSFO (very light brown to opaque) and oily film with increased odor, even fluor., in SS, poor odor

4588' 60" SS, light brown saturated to clear, med-coarse, rounded to sub-rounded and well sorted, most slowly bleed O&G, some with areas of darker staining, upon break most with F-GSFO and oily film, good even fluor., when left under lamp most clear clusters show increased light brown saturation, FSFO in tray, fair odor

~4590' Fair influx green to gray shale, with scattered SS as above, friable to dense, FSFO upon break, good fluor., no odor

~4600' Influx SS, light brown with some scattered clear to white, mostly med grained, sub-rounded to rounded with some scattered sub-angular, most friable to fairly friable, some dense, some with scattered shale inclusions, some pyritic, fairly gassy, most bleeding O&G, upon break most with GSFO & G, GSFO in tray, even fluor., in SS, fair odor

4620' 20, 40 60" CFS samples, SS as above, with fair influx shale, also increase in dense SS, SS still carrying good O&G shows, poor odor

~4630' Shale, gray to green and red, with very scattered SS as above, SS appears to have mostly dropped out, no odor

Shale, gray to green with scattered red, with some very scattered SS, no shows or odor

Arbuckle 4648 (-2650)

4660' 30" Shale as above, with influx dolomite, cream with some scattered brown, sucrosic and very dense with no vis porosity, most too dense to break, some cream is slightly chalky, trace chips with a small scattered vug or two, barren, most brown dolomite is pyritic, no shows or odor

Dolomite, mostly cream with some scattered slightly chalky white, sucrosic and dense with no vis porosity, trace sub-rhombic, poorly developed with poor vis porosity, no show or odor

Dolomite as above, mostly cream to white sucrosic and dense with no vis porosity, slight influx sub-rhombic with some scattered fair rhombic development, poor vis porosity, fairly friable and barren, no shows or odor

As above, no show or odor

Dolomite, cream to white, sucrosic and dense to fairly dense with poor to no vis porosity, some scattered chips with few small vugs to slightly vuggy porosity, no shows or odor

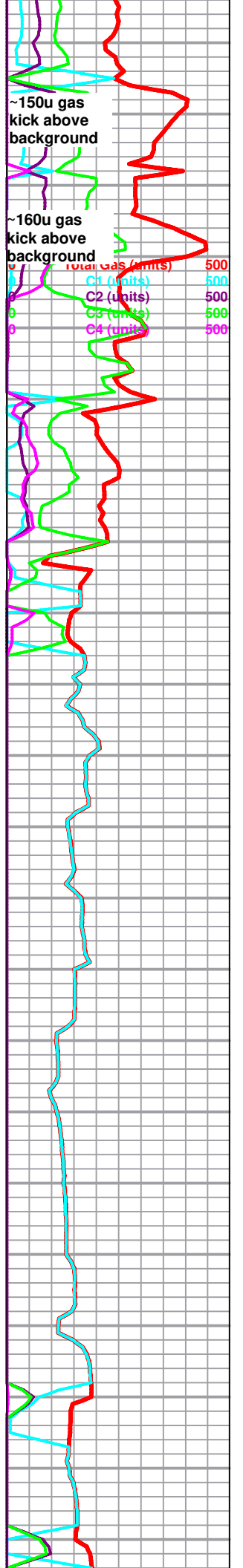
As above, mostly sucrosic and dense with poor to no vis porosity, very scattered poor sub-rhombic, with abundant gray shale, no show or odor

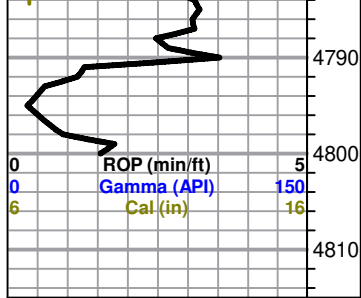
As above, some very scattered sub-rhombic to rhombic with mostly poor development, no show or odor

Dolomite, cream to white, sucrosic with poor to no vis porosity, some very scattered poor sub-rhombic, shaley samples, no show or odor

Dolomite as above, slight influx fairly vuggy porosity, shaley, no show or odor

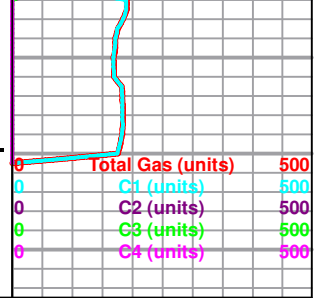
Dolomite, cream to white, mostly sucrosic and dense to fairly friable, with some scattered mostly poor sub-rhombic, some very scattered fairly vuggy, abundant shale as above, no show or odor






4800' 60" Dolomite, cream to white, sucrosic and mostly oomoldic with poor to fair oomoldic porosity, some scattered fair vuggy porosity, no show or odor

Rotary TD 4800' @ 2300hrs 7/1/22
 Eli Wireline Services Logging TD @ 4800'
 Complete Logging Operations @ 0645hrs 7/2/22



	DRILL STEM TEST REPORT	
	<table style="width:100%;"> <tr> <td style="width: 50%;"> Shelby Resources LLC 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207 ATTN: Jeremy Schwartz </td> <td style="width: 50%; text-align: right;"> 27-28S-14W Pratt NS Unit 1-27 Job Ticket: 68176 DST#: 2 Test Start: 2022.06.26 @ 17:28:00 </td> </tr> </table>	Shelby Resources LLC 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207 ATTN: Jeremy Schwartz
Shelby Resources LLC 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207 ATTN: Jeremy Schwartz	27-28S-14W Pratt NS Unit 1-27 Job Ticket: 68176 DST#: 2 Test Start: 2022.06.26 @ 17:28:00	

GENERAL INFORMATION:

Formation: **Lansing "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:32

Time Test Ended: 01:18:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4140.00 ft (KB) To 4226.00 ft (KB) (TVD)

Reference Elevations: 1998.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD) 1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

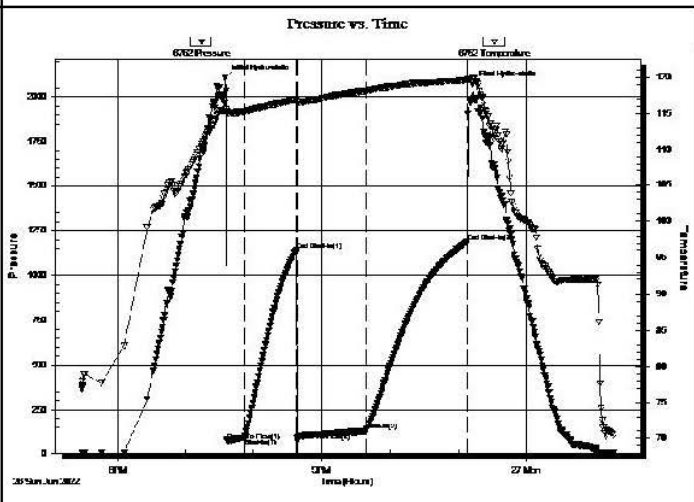
Press@RunDepth: 126.68 psig @ 4218.00 ft (KB) Capacity: psig

Start Date: 2022.06.26 End Date: 2022.06.27 Last Calib.: 2022.06.27

Start Time: 17:28:01 End Time: 01:18:02 Time On Btm: 2022.06.26 @ 19:34:47

Time Off Btm: 2022.06.26 @ 23:12:47

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, Built to 82.53 inches
 IS: No Blow Back
 FF: Strong Blow , BOB Immediate, Built to 104.89 inches
 FS: No Blow Back



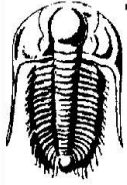
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.39	115.36	Initial Hydro-static
2	70.75	115.16	Open To Flow (1)
17	88.52	115.28	Shut-In(1)
63	1139.62	116.78	End Shut-In(1)
64	73.88	116.54	Open To Flow (2)
124	126.68	118.15	Shut-In(2)
213	1188.17	119.58	End Shut-In(2)
218	2069.51	119.80	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	1406 GP	0.00
160.00	GCM 10%G 90%M	1.15

* Recovery from multiple tests

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

Shelby NS Unit 1-27 dst 4.jpg

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Shelby Resources LLC 3700 Quebec St Ste 100 PMB 376 Denver, CO 80207 ATTN: Jeremy Schwartz	27-28S-14W Pratt NS Unit 1-27 Job Ticket: 68178 DST#: 4 Test Start: 2022.06.28 @ 09:17:00

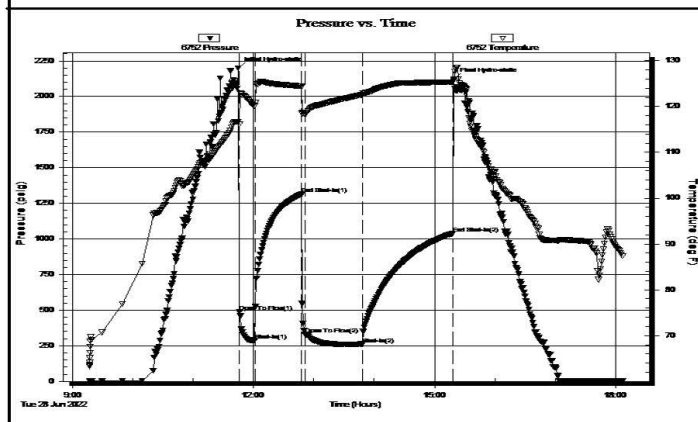
GENERAL INFORMATION:

Formation: Marmaton Deviated: No Whipstock: ft (KB) Time Tool Opened: 11:46:02 Time Test Ended: 18:07:02 Interval: 4389.00 ft (KB) To 4425.00 ft (KB) (TVD) Total Depth: 4425.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good	Test Type: Conventional Bottom Hole (Reset) Tester: Leal Cason Unit No: 72 Reference Elevations: 1998.00 ft (KB) 1986.00 ft (CF) KB to GR/CF: 12.00 ft
--	---

Serial #: 6752 Inside

Press@RunDepth: 263.05 psig @ 4395.00 ft (KB)	Capacity: psig
Start Date: 2022.06.28	Last Calib.: 2022.06.28
Start Time: 09:17:01	Time On Btm: 2022.06.28 @ 11:45:02
End Date: 2022.06.28	Time Off Btm: 2022.06.28 @ 15:19:02
End Time: 18:07:02	

TEST COMMENT: IF: Strong Blow, BOB in 10 seconds, GTS in 4 minutes, Gauged & Sampled
 ISI: 8.1 inch Blow Back
 FF: Strong Blow, BOB & GTS Immediate, Gauged Gas
 FSI: 21.31 Blow Back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2199.82	116.66	Initial Hydro-static
1	487.76	116.22	Open To Flow (1)
17	286.06	120.14	Shut-In(1)
63	1314.16	124.42	End Shut-In(1)
66	329.53	118.27	Open To Flow (2)
123	263.05	122.58	Shut-In(2)
214	1039.95	125.35	End Shut-In(2)
214	2119.32	125.69	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	3835 GP	0.00
60.00	Water	0.30
249.00	GOMCW 10%G 10%O 14%M 66%W	2.95
229.00	GSY Oil 20%G 80%O	3.21

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	18.62	112.33
Last Gas Rate	0.50	14.48	180.91
Max. Gas Rate	0.75	34.21	705.09



Customer	SHELBY RESOURCES LLC	Lease & Well #	N-S UNIT 1-27	Date	6/21/2022
Service District	PRATT, KS.	County & State	PRATT, KS.	Legals S/T/R	27-28S-14W
Job Type	SURFACE PIPE	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
926	LESLEY	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
179-521	CLIFTON	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
526-532	MARTINEZ	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
294	OTTO	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments

875' 8 5/8" SURFACE PIPE

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
CP025	H-Con	sack	275.00	\$6,600.00
CP010	Class A Cement	sack	275.00	\$5,016.00
CP100	Calcium Chloride	lb	1,295.00	\$932.40
CP120	Cello-flake	lb	140.00	\$235.20
FE275	8 5/8" AFU Flapper Insert Valve	ea	1.00	\$360.00
FE285	8 5/8" Rubber Plug	ea	1.00	\$168.00
FE255	8 5/8" Cement Basket	ea	1.00	\$480.00
FE250	8 5/8" Centralizer	ea	2.00	\$172.80
M015	Light Equipment Mileage	mi	10.00	\$19.20
M010	Heavy Equipment Mileage	mi	20.00	\$76.80
M020	Ton Mileage	tm	260.00	\$374.40
C060	Cement Blending & Mixing Service	sack	550.00	\$739.20
D011	Depth Charge: 501'-1000'	job	1.00	\$1,200.00
C050	Cement Plug Container	job	1.00	\$240.00
R061	Service Supervisor	day	1.00	\$275.00
C025	Cement Pump - Hourly Service	hr	4.00	\$700.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$17,589.00
		Total Taxable	\$ -
		Tax Rate:	
Based on this job, how likely is it you would recommend HSI to a colleague?		Sale Tax:	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Total:	\$ 17,589.00
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		HSI Representative: <i>Kevin Lesley</i>	

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X *Pablo Luna*

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer:	SHELBY RESOURCES LLC	Well:	N-S UNIT 1-27	Ticket:	WP 2964
City, State:		County:	PRATT, KS.	Date:	6/21/2022
Field Rep:		S-T-R:	27-28S-14W	Service:	SURFACE PIPE

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	875 ft
Casing Size:	8 5/8 in 23#
Casing Depth:	866.05 ft
Tubing / Liner:	in
PLUG DEPTH:	835.19 ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	53.5 bbls

Calculated Slurry - Lead	
Blend:	H-CON
Weight:	12.0 ppg
Water / Sx:	14.5 gal / sx
Yield:	2.47 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	121.0 bbls
Total Sacks:	275 sx

Calculated Slurry - Tail	
Blend:	CLASS A CEMENT
Weight:	15.6 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.20 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	58.8 bbls
Total Sacks:	275 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:15AM			-	-	ON LOCATION- SPOT EQUIPMENT
4:45AM			-	-	RUN 8 5/8" X 23# CASING
//////////			-	-	INSERT IN TOP OF SHOE JT. - CENTRALIZERS- 2, 10 BASKET- 17
6:10AM			-	-	CASING ON BOTTOM
6:15AM			-	-	HOOK UP TO CASING - BREAK CIRCULATION WITH RIG PUMP AND MUD
6:32AM	6.0	250.0	10.0	10.0	H2o AHEAD
6:34AM	7.0	250.0	121.0	131.0	MIX 275 SKS H-CON @ 12 PPG
6:51AM	5.0	250.0	58.8	189.8	MIX 275 SKS CLASS A CEMENT @ 15.6 PPG
7:02AM				189.8	SHUT DOWN- DROP TOP RUBBER PLUG
7:08AM	5.0	50.0	-	189.8	START DISPLACEMENT
7:17AM	4.0	300P	48.0	237.8	SLOW RATE
7:20AM	3.0	1,000.0	53.5		PLUG DOWN- HELD
					CIRCULATION THRU JOB
					CIRCULATED 15 BBL TO PIT
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	926	Average Rate	Average Pressure	Total Fluid
Pump Operator:	CLIFTON	179-521	5.0 bpm	360 psi	291 bbls
Bulk #1:	MARTINEZ	526-532			
Bulk #2:	OTTO	294			

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



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

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

Laura Kelly, Governor

December 01, 2022

Chris Gottschalk
Shelby Resources LLC
3700 QUEBEC STREET
SUITE 100 PMB 376
DENVER, CO 80207-1639

Re: ACO-1
API 15-151-22548-00-00
N-S UNIT #1-27
SE/4 Sec.27-28S-14W
Pratt County, Kansas

Dear Chris Gottschalk:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 6/20/2022 and the ACO-1 was received on November 30, 2022 (not within the 120 days timely requirement).

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

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

Sincerely,

Production Department