

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	GAMBLE 1
Doc ID	1795644

All Electric Logs Run

BOR
Triple Combo
DUAL INDUCTION
MICRO
PE

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	GAMBLE 1
Doc ID	1795644

Tops

Name	Top	Datum
HEEBNER	3657	-1567
DOUGLAS	3687	-1597
LKC	3769	-1679
STARK	3987	-1897
HUSH	4020	-1930
BKC	4057	-1967
CHEROKEE	4196	-2106
MISS	4238	-2148
MISENER	4292	-2202
VIOLA	4322	-2232
SIMP SH	4477	-2387
ARBUCKLE	4524	-2434



DRILL STEM TEST REPORT

Prepared For: **NEC Operating**

538 Silicon DR
Southlake, TX 76092

ATTN: Keaton Jones

Gamble #1

8-23S-17W. Pawnee,KS

Start Date: 2024.04.23 @ 21:27:00

End Date: 2024.04.24 @ 04:12:30

Job Ticket #: 71712 DST #: 1

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

Printed: 2024.04.29 @ 11:56:21



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating

8-23S-17W. Pawnee, KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71712

DST#: 1

ATTN: Keaton Jones

Test Start: 2024.04.23 @ 21:27:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:08:20

Time Test Ended: 04:12:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 4168.00 ft (KB) To 4226.00 ft (KB) (TVD)

Reference Elevations: 2086.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

2073.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8734 Outside

Press@RunDepth: 55.93 psig @ 4169.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.23

End Date:

2024.04.24

Last Calib.:

2024.04.24

Start Time: 21:27:01

End Time:

04:12:30

Time On Btm:

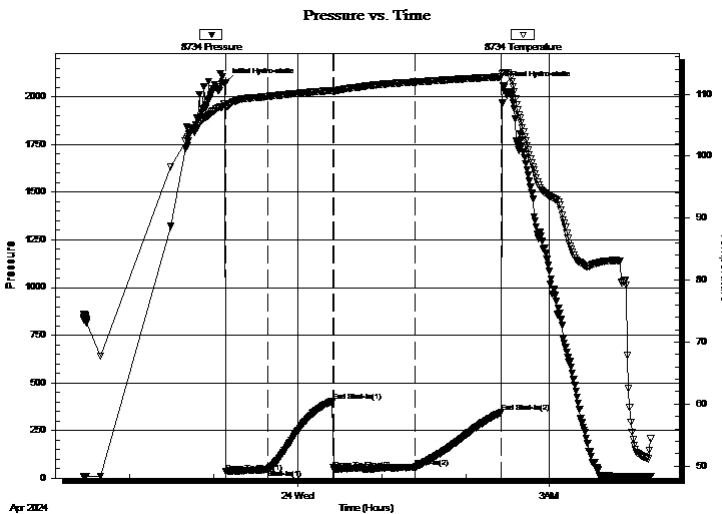
2024.04.23 @ 23:08:10

Time Off Btm:

2024.04.24 @ 02:27:00

TEST COMMENT: 30-IF-Blow built to 4 1/2"
45-ISI-No return
60-FF-Blow built to 7 1/4"
60-FSI-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.62	108.46	Initial Hydro-static
1	33.15	107.73	Open To Flow (1)
31	44.19	109.60	Shut-In(1)
77	405.03	110.61	End Shut-In(1)
78	46.90	110.52	Open To Flow (2)
136	55.93	111.95	Shut-In(2)
198	344.48	112.80	End Shut-In(2)
199	2058.55	113.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSOCM 5%G, 5%O, 90% Mud	0.84
0.00	120' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71712

DST#: 1

ATTN: Keaton Jones

Test Start: 2024.04.23 @ 21:27:00

Tool Information

Drill Pipe:	Length: 4142.00 ft	Diameter: 3.80 inches	Volume: 58.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4168.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4136.00	
Shut In Tool	5.00			4141.00	
Hydraulic tool	5.00	1113		4146.00	
Jars	5.00	01-07		4151.00	
EM Tool	5.00			4156.00	
Safety Joint	3.00	-001		4159.00	
Packer	5.00			4164.00	33.00 Bottom Of Top Packer
Packer	4.00			4168.00	
Stubb	1.00			4169.00	
Recorder	0.00	8959	Inside	4169.00	
Recorder	0.00	8734	Outside	4169.00	
Perforations	19.00			4188.00	
Change Over Sub	1.00			4189.00	
Drill Pipe	31.00			4220.00	
Change Over Sub	1.00			4221.00	
Bullnose	5.00			4226.00	58.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71712

DST#: 1

ATTN: Keaton Jones

Test Start: 2024.04.23 @ 21:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	GSOCM 5%G, 5%O, 90% Mud	0.842
0.00	120' GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.842 bbf

Num Fluid Samples: 0

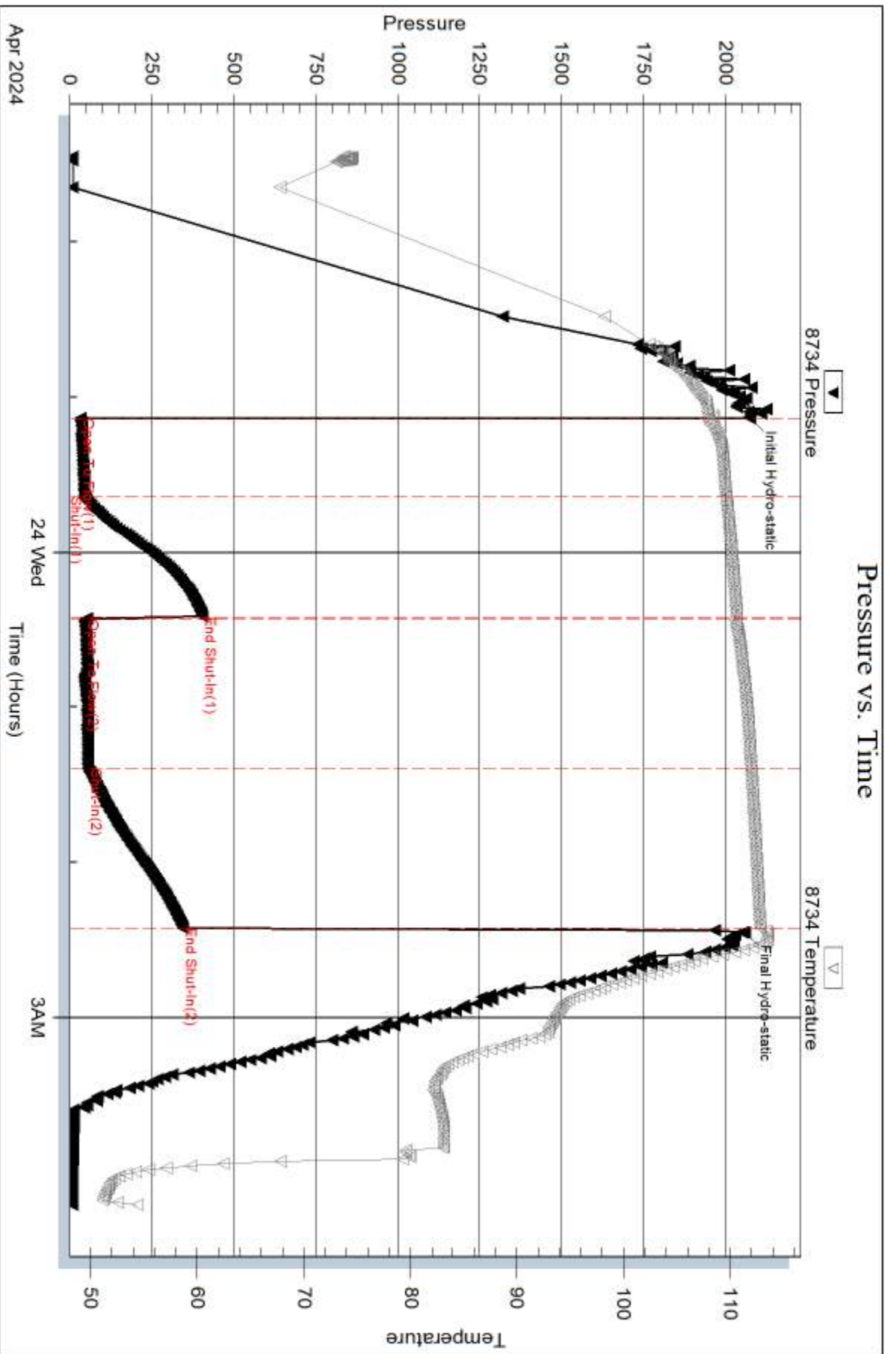
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



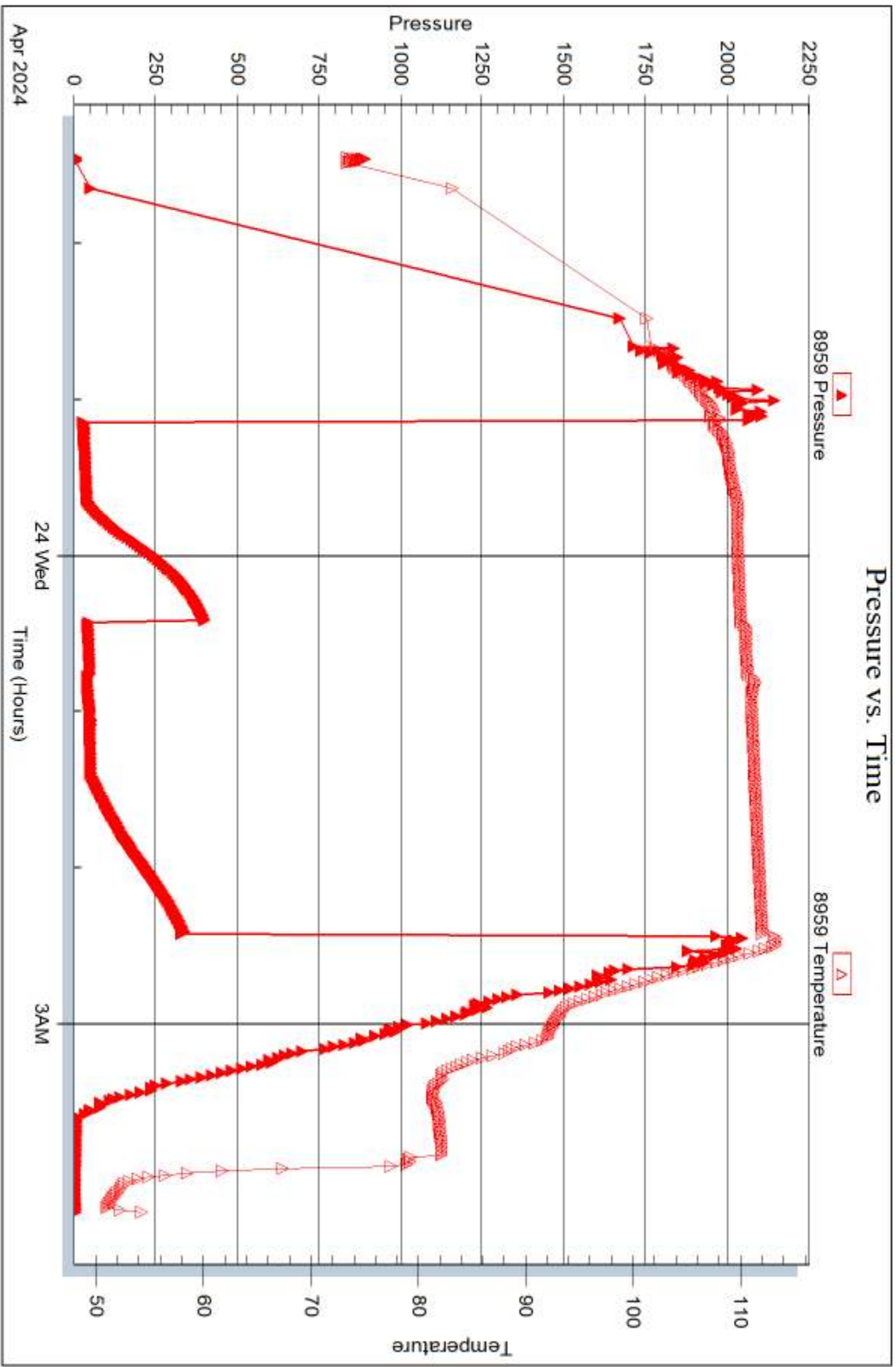
Serial #: 8959

Inside

NEC Operating

Gamble #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71712

Printed: 2024.04.29 @ 11:56:22



DRILL STEM TEST REPORT

Prepared For: **NEC Operating**

538 Silicon DR
Southlake, TX 76092

ATTN: Keaton Jones

Gamble #1

8-23S-17W. Pawnee,KS

Start Date: 2024.04.24 @ 12:30:00

End Date: 2024.04.24 @ 18:33:20

Job Ticket #: 71713 DST #: 2

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

Printed: 2024.04.29 @ 11:51:35

NEC Operating
8-23S-17W. Pawnee,KS
Gamble #1
DST # 2
Miss
2024.04.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating

8-23S-17W. Pawnee, KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71713

DST#: 2

ATTN: Keaton Jones

Test Start: 2024.04.24 @ 12:30:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:20:30

Time Test Ended: 18:33:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4230.00 ft (KB) To 4280.00 ft (KB) (TVD)

Reference Elevations: 2086.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

2073.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8734 Outside

Press@RunDepth: 510.23 psig @ 4231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.24

End Date:

2024.04.24

Last Calib.:

2024.04.24

Start Time: 12:30:01

End Time:

18:33:20

Time On Btm:

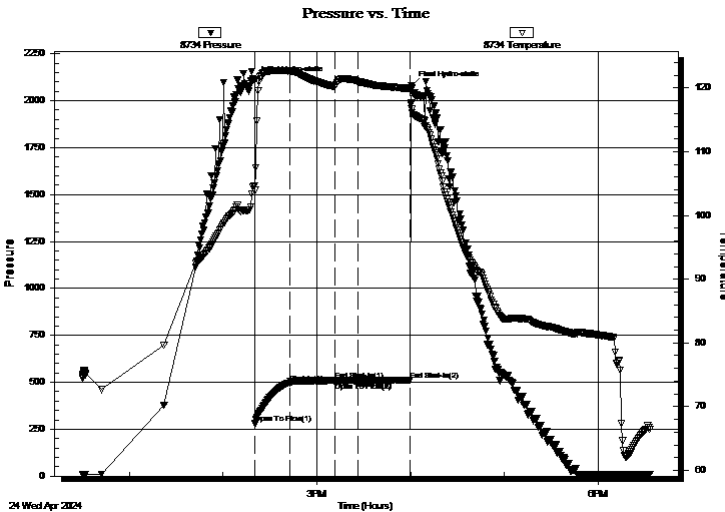
2024.04.24 @ 14:20:20

Time Off Btm:

2024.04.24 @ 16:00:40

TEST COMMENT: 20-IF- B.O.B (11 inches) @ 1 min (Blow built to 106 1/2")
30-ISI-Return built to 1/2" reduced to 1/4"
15-FF-Blow built to 1 3/4" reduced to 1 1/4"
30-FSI-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.00	104.71	Initial Hydro-static
1	279.77	103.95	Open To Flow (1)
23	495.55	122.65	Shut-In(1)
51	509.90	120.25	End Shut-In(1)
52	498.45	120.23	Open To Flow (2)
66	510.23	121.01	Shut-In(2)
100	511.66	119.93	End Shut-In(2)
101	2079.24	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
710.00	SW 1%M, 99%W	9.96
290.00	MCW 20%M, 80%W	4.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

NEC Operating

8-23S-17W. Pawnee, KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71713

DST#: 2

ATTN: Keaton Jones

Test Start: 2024.04.24 @ 12:30:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:20:30

Time Test Ended: 18:33:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4230.00 ft (KB) To 4280.00 ft (KB) (TVD)

Total Depth: 4280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2086.00 ft (KB)

2073.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4231.00 ft (KB)

Start Date: 2024.04.24

End Date: 2024.04.24

Start Time: 12:30:01

End Time: 18:33:20

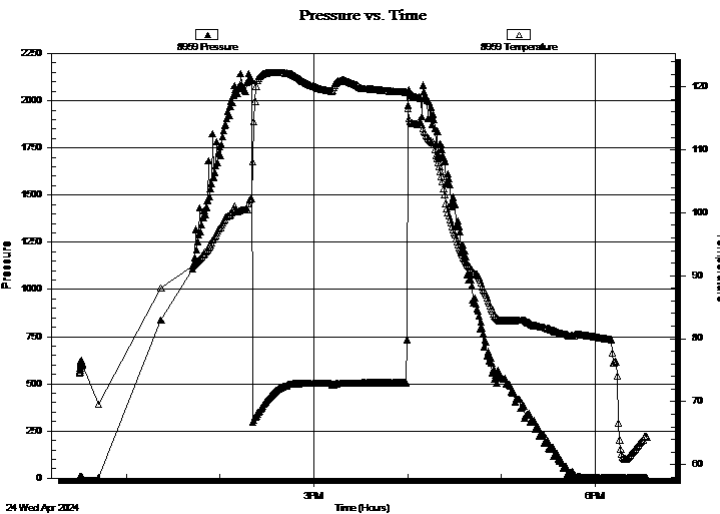
Capacity: 8000.00 psig

Last Calib.: 2024.04.24

Time On Btm:

Time Off Btm:

TEST COMMENT: 20-IF- B.O.B (11 inches) @ 1 min (Blow built to 106 1/2")
30-ISI-Return built to 1/2" reduced to 1/4"
15-FF-Blow built to 1 3/4" reduced to 1 1/4"
30-FSI-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
710.00	SW 1%M, 99%W	9.96
290.00	MCW 20%M, 80%W	4.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71713

DST#: 2

ATTN: Keaton Jones

Test Start: 2024.04.24 @ 12:30:00

Tool Information

Drill Pipe:	Length: 4207.00 ft	Diameter: 3.80 inches	Volume: 59.01 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4230.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4198.00	
Shut In Tool	5.00			4203.00	
Hydraulic tool	5.00	1113		4208.00	
Jars	5.00	01-07		4213.00	
EM Tool	5.00			4218.00	
Safety Joint	3.00	-001		4221.00	
Packer	5.00			4226.00	33.00 Bottom Of Top Packer
Packer	4.00			4230.00	
Stubb	1.00			4231.00	
Recorder	0.00	8959	Inside	4231.00	
Recorder	0.00	8734	Outside	4231.00	
Perforations	10.00			4241.00	
Change Over Sub	1.00			4242.00	
Drill Pipe	32.00			4274.00	
Change Over Sub	1.00			4275.00	
Bullnose	5.00			4280.00	50.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71713

DST#: 2

ATTN: Keaton Jones

Test Start: 2024.04.24 @ 12:30:00

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:

23500 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
710.00	SW 1%M, 99%W	9.959
290.00	MCW 20%M, 80%W	4.068

Total Length: 1000.00 ft Total Volume: 14.027 bbl

Num Fluid Samples: 0

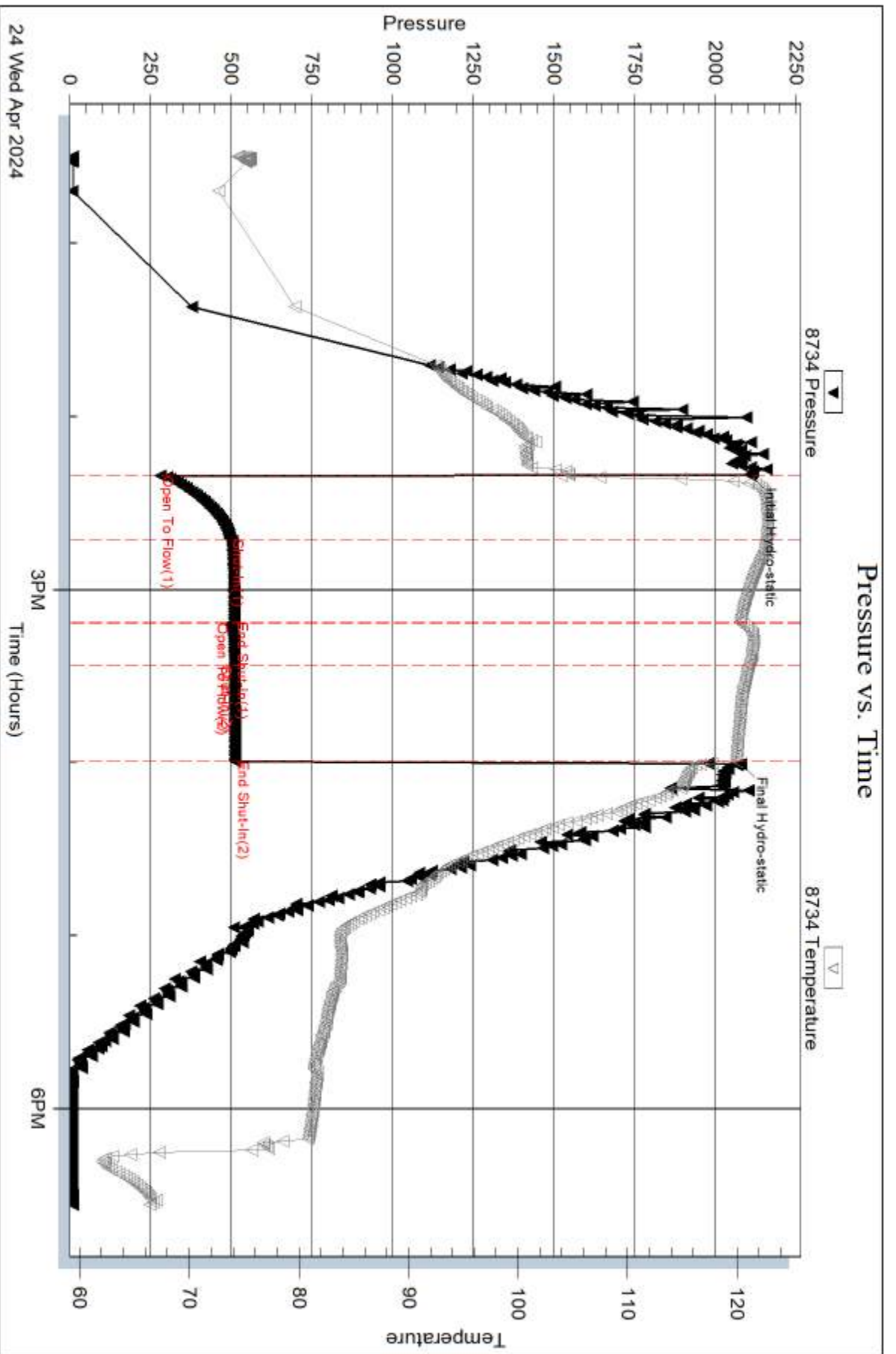
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.337 @ 63 degs = 23,500 PPM



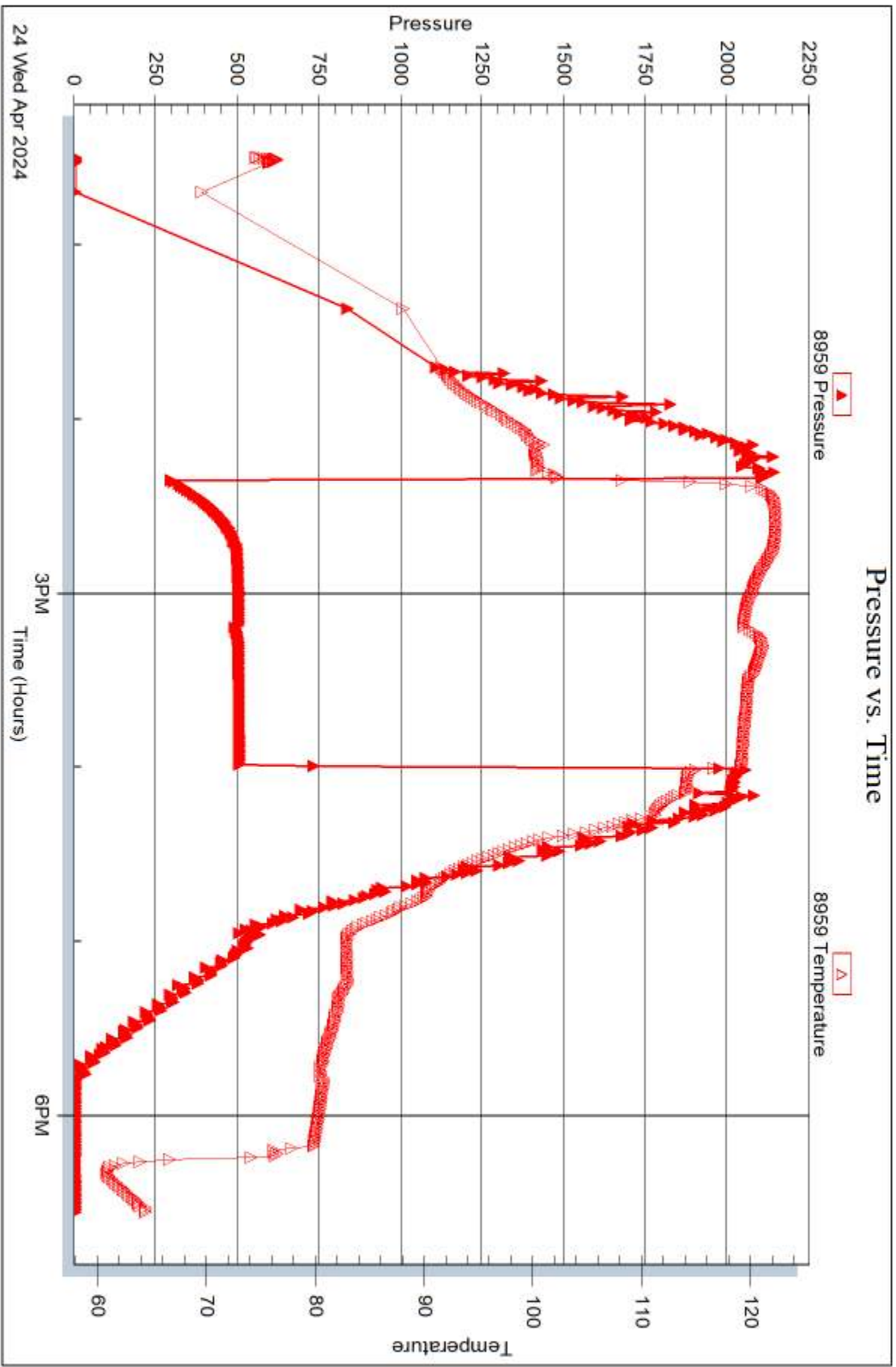
Serial #: 8959

Inside

NEC Operating

Gamble #1

DST Test Number: 2



24 Wed Apr 2024

Triobite Testing, Inc

Ref. No: 71713

Printed: 2024.04.29 @ 11:51:36



DRILL STEM TEST REPORT

Prepared For: **NEC Operating**

538 Silicon DR
Southlake, TX 76092

ATTN: Keaton Jones

Gamble #1

8-23S-17W. Pawnee,KS

Start Date: 2024.04.25 @ 02:50:00

End Date: 2024.04.25 @ 09:45:20

Job Ticket #: 71714 DST #: 3

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

Printed: 2024.04.29 @ 11:24:06

NEC Operating
8-23S-17W. Pawnee,KS
Gamble #1
DST # 3
Misenner
2024.04.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71714

DST#: 3

ATTN: Keaton Jones

Test Start: 2024.04.25 @ 02:50:00

GENERAL INFORMATION:

Formation: **Misener**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:10

Time Test Ended: 09:45:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4295.00 ft (KB) To 4306.00 ft (KB) (TVD)

Reference Elevations: 2086.00 ft (KB)

Total Depth: 4306.00 ft (KB) (TVD)

2073.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8734 Outside

Press@RunDepth: 82.61 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.25

End Date:

2024.04.25

Last Calib.:

2024.04.25

Start Time: 02:50:01

End Time:

09:45:20

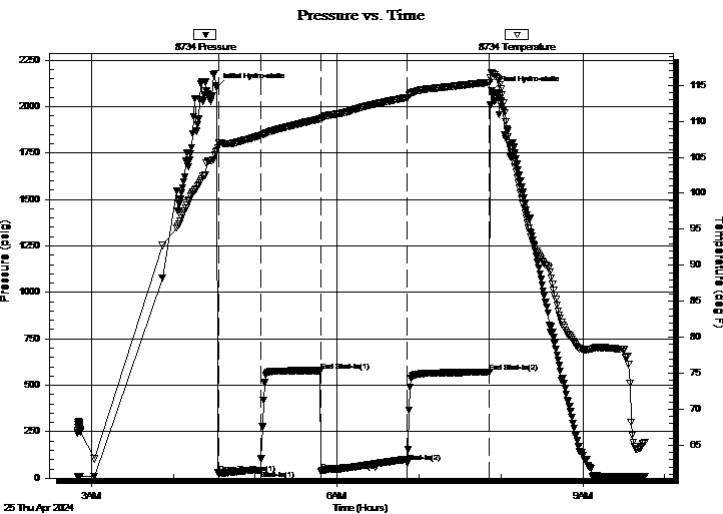
Time On Btm:

2024.04.25 @ 04:32:00

Time Off Btm:

2024.04.25 @ 07:53:09

TEST COMMENT: 30-IF-BOB (11 inches) @ 3 mins (blow built to 203 1/2" to 144 1/4") (opened choke)
45-ISI-No return
60-FF-BOB ASAO (built to 35 PSI)
60-FSI-Return ASASI built to 4 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.14	105.97	Initial Hydro-static
2	25.83	106.96	Open To Flow (1)
32	39.74	108.03	Shut-In(1)
76	578.62	110.34	End Shut-In(1)
77	36.93	110.26	Open To Flow (2)
140	82.61	113.26	Shut-In(2)
200	569.93	115.39	End Shut-In(2)
202	2086.28	116.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	GWCMO 35%G,15%W,25%M,25%O	0.49
40.00	CGO 45%G, 55%O	0.56

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.28	32.81
Last Gas Rate	0.13	34.96	18.47
Max. Gas Rate	0.13	34.96	18.47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating

8-23S-17W. Pawnee, KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71714

DST#: 3

ATTN: Keaton Jones

Test Start: 2024.04.25 @ 02:50:00

GENERAL INFORMATION:

Formation: **Misener**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:10

Time Test Ended: 09:45:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4295.00 ft (KB) To 4306.00 ft (KB) (TVD)**

Reference Elevations: 2086.00 ft (KB)

Total Depth: 4306.00 ft (KB) (TVD)

2073.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.25

End Date:

2024.04.25

Last Calib.:

2024.04.25

Start Time: 02:50:01

End Time:

09:45:10

Time On Btm:

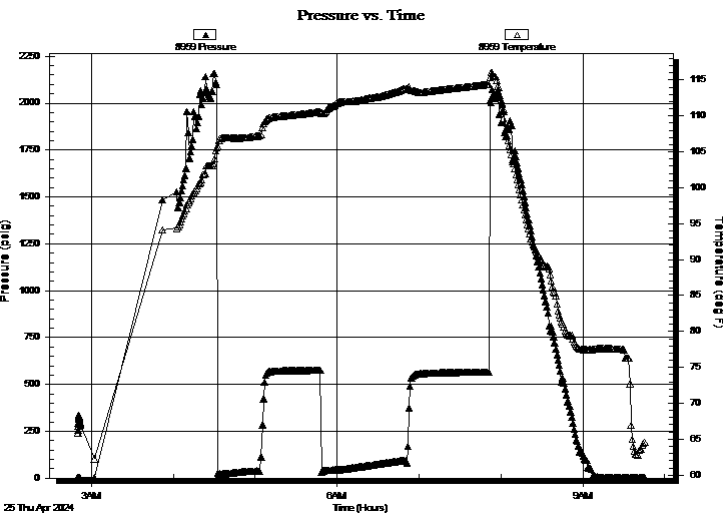
Time Off Btm:

TEST COMMENT: 30-IF-BOB (11 inches) @ 3 mins (blow built to 203 1/2" to 144 1/4") (opened choke)

45-ISI-No return

60-FF-BOB ASAO (built to 35 PSI)

60-FSI-Return ASASI built to 4 1/4"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
35.00	GWCMO 35%G,15%W,25%M,25%O	0.49
40.00	CGO 45%G, 55%O	0.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.28	32.81
Last Gas Rate	0.13	34.96	18.47
Max. Gas Rate	0.13	34.96	18.47

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71714

DST#: 3

ATTN: Keaton Jones

Test Start: 2024.04.25 @ 02:50:00

Tool Information

Drill Pipe:	Length: 4270.00 ft	Diameter: 3.80 inches	Volume: 59.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4295.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: G.T.S @ end of IF

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4263.00	
Shut In Tool	5.00			4268.00	
Hydraulic tool	5.00	1113		4273.00	
Jars	5.00	01-07		4278.00	
EM Tool	5.00			4283.00	
Safety Joint	3.00	-001		4286.00	
Packer	5.00			4291.00	33.00 Bottom Of Top Packer
Packer	4.00			4295.00	
Packer - Shale	0.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8959	Inside	4296.00	
Recorder	0.00	8734	Outside	4296.00	
Perforations	5.00			4301.00	
Bullnose	5.00			4306.00	11.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71714

DST#: 3

ATTN: Keaton Jones

Test Start: 2024.04.25 @ 02:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	GWCMO 35%G,15%W,25%M,25%O	0.491
40.00	CGO 45%G, 55%O	0.561

Total Length: 75.00 ft Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 36.4 @ 66 degs corrected to 35.8 @ 60 degs
Not enough w ather to get chlorides



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

NEC Operating

8-23S-17W. Pawnee,KS

538 Silicon DR
Southlake, TX 76092

Gamble #1

Job Ticket: 71714

DST#: 3

ATTN: Keaton Jones

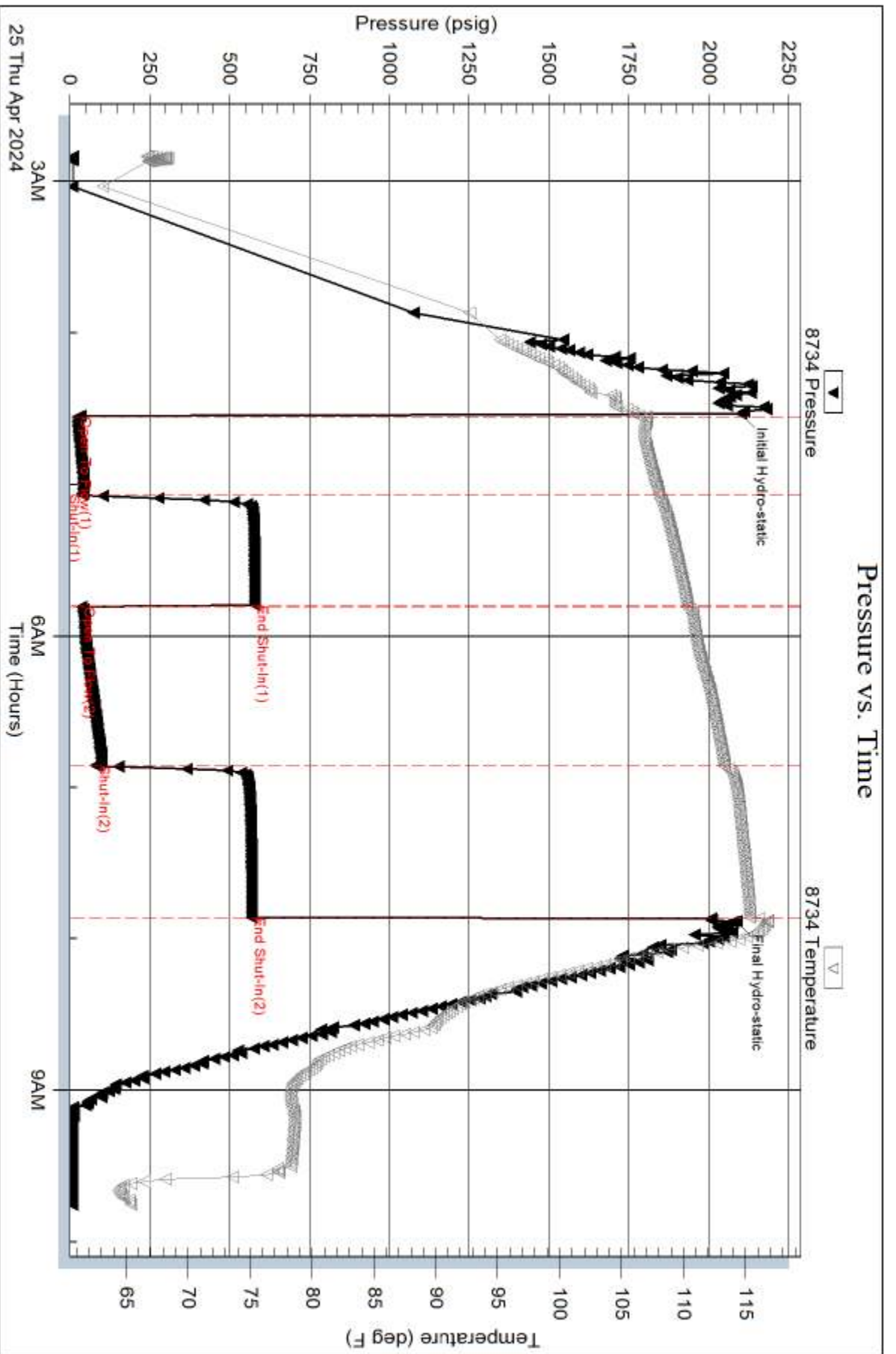
Test Start: 2024.04.25 @ 02:50:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	0	0.25	6.28	32.81
2	10	0.13	7.16	8.07
2	20	0.13	13.14	10.31
2	30	0.13	19.55	12.71
2	40	0.13	25.88	15.08
2	55	0.13	34.96	18.47



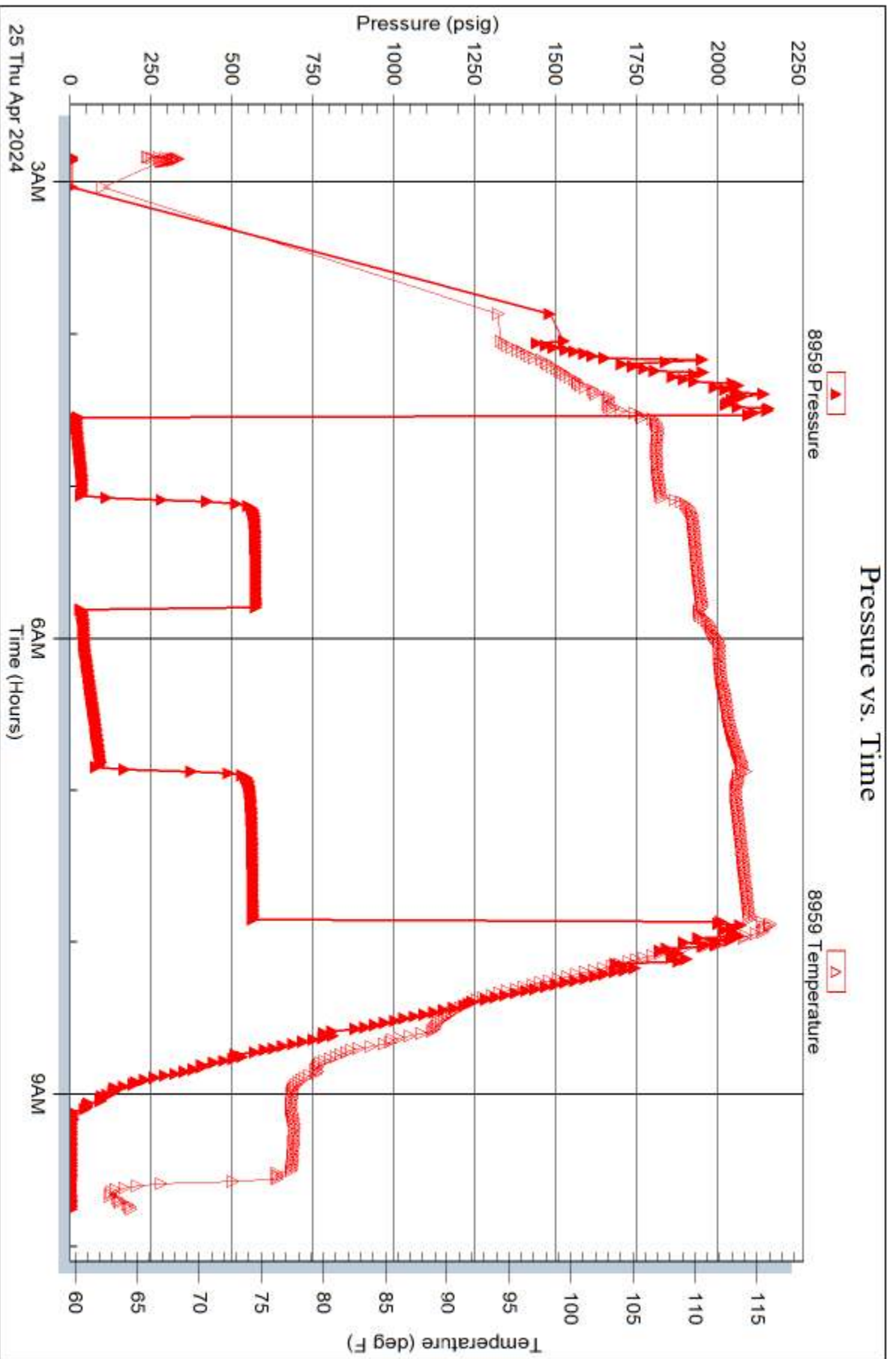
Serial #: 8959

Inside

NEC Operating

Gamble #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71712**

Well Name & No. Gamble #1 Test No. 1 Date 4-23-24
 Company NEC Operating Elevation 2086 KB 2073 GL
 Address 538 Silicon DR Southlake, Texas 76092
 Co. Rep / Geo Kraton Jones Rig Duke #7
 Location: Sec. 8 Twp 23S Rge. 17W Co. Pawnee State KS

Interval Tested 4168 - 4226 Zone Tested Miss.
 Anchor Length 53' Drill Pipe Run 4142 Mud Wt. 9.2
 Top Packer Depth 4163 Drill Collars Run — Vis 51
 Bottom Packer Depth 4168 Wt. Pipe Run — WL 8.8
 Total Depth 4226 Chlorides 5000 ppm System LCM 34

Blow Description IF - Blow built to 4 1/2"
ISI - No return
FF - Blow built to 7 1/4"
ESI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>G50CM</u>	<u>5</u>	<u>5</u>	<u>90</u>	
<u>0</u>	<u>180' GIP</u>				

Rec Total 60 BHT 114 Gravity — API RW — @ — *F Chlorides — ppm
 Initial Hydrostatic 2075 Test 1950 Ruined Shale Packer
 Initial Flow 33 to 44 Jars 300 Ruined Packer
 Initial Shut-In 405 Circ Sub Hotel
 Final Flow 47 to 56 Hourly Standby EM Tool Successful -350
 Final Shut-In 344 Mileage 104 F/Pratt Accessibility
68mi 119 Gas Sample
 Final Hydrostatic 2059 Sampler Oversized Hole
 T-On Location 20:45 Straddle Sub Total -350
 Initial Flow 30 T-Started 21:27 Shale Packer Total 2019
 Initial Shut-In 45 T-Open 23:09 Extra Packer Tool Loaded @
 Final Flow 60 T-Pulled 02:24 Extra Recorder MP/DST Disc't
 Final Shut-In 60 T-Out 04:13 Day Standby

Comments _____

Approved By _____ Our Representative Mattina Johnson

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. **71713**

Well Name & No. Gamble #1 Test No. 2 Date 4-24-24
 Company NEC Operating Elevation 2836 KB 2073 GL
 Address 538 Silicon DR Southlake, TX 76092
 Co. Rep / Geo Kraton Jones Rig Duck #7
 Location: Sec. 8 Twp 23.S. Rge. 17W. Co. Lawrence State KS

Interval Tested 4230 - 4280 Zone Tested Miss
 Anchor Length 50' Drill Pipe Run 4207 Mud Wt. 8.9
 Top Packer Depth 4225 Drill Collars Run ← Vis 56
 Bottom Packer Depth 4230 Wt. Pipe Run — WL 8.8
 Total Depth 4280 Chlorides 7000 ppm System LCM 04

Blow Description IF - B.O.R (11 inches) @ 1 min (blow built to 106 1/2")
ISJ - Return blow built to 1/2" reduced to 1/4"
FF - Blow built to 1 3/4" reduced to 1 1/4"
FSJ - No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>710</u>	<u>SW</u>		<u>99</u>	<u>1</u>	
<u>290</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	

Rec Total 1000 BHT 117° Gravity — API RW 337 @ 63.0 °F Chlorides 23,500 ppm

Initial Hydrostatic 2107 Test 1950 Ruined Shale Packer
 Initial Flow 280 to 496 Jars 300 Ruined Packer
 Initial Shut-In 510 Circ Sub Hotel
 Final Flow 498 to 510 Hourly Standby EM Tool Successful
 Final Shut-In 512 Mileage 62 RT F/Hotel Accessibility
 Final Hydrostatic 2079 Sampler 119 Gas Sample
 Straddle Oversized Hole
 Shale Packer Sub Total 0
 Extra Packer Total 2369
 Extra Recorder Tool Loaded @
 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative Kraton Jones

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. **71714**

Well Name & No. Gamble #1 Test No. 3 Date 4-25-24
 Company NEC Operating Elevation 2086 KB 2073 GL
 Address 538 Silicon Dr Southlake, Tx 76098
 Co. Rep / Geo Keaton Jones Rig Duke #7
 Location: Sec. B Twp 23S Rge. 17W Co. Pawnee State KS

Interval Tested 4295 - 4306 Zone Tested Miscner
 Anchor Length 11' Drill Pipe Run 4270 Mud Wt. 9.2
 Top Packer Depth 4290 Drill Collars Run — Vis 57
 Bottom Packer Depth 4295 (Shale) Wt. Pipe Run — WL 8.8
 Total Depth 4306 Chlorides 7000 ppm System LCM 2#
 Blow Description IF - B.O.B (11 inches) @ 3 mins (blow built to 203 1/2" reduced to 144 1/4") (opened choke)
ISI - No return.

FF - B.O.B ASAO (built to 35 PSI)

ESI - Return ASAST built to 4 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>GWCMO</u>	<u>25</u>	<u>15</u>	<u>25</u>	
<u>40</u>	<u>C.G.O</u>	<u>55</u>			

Rec Total 75 BHT 117 Gravity 35.8 API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 2101 Test 1950 Ruined Shale Packer
 Initial Flow 26 to 40 Jars 300 Ruined Packer
 Initial Shut-In 579 Circ Sub Hotel
 Final Flow 37 to 83 Hourly Standby EM Tool Successful
 Final Shut-In 570 Mileage 62 RT F/Motel Accessibility
 Final Hydrostatic 2086 Sampler Gas Sample 80
 T-On Location 02:15 Straddle Oversized Hole
 Initial Flow 30 T-Started 02:50 Shale Packer 250 Sub Total 80
 Initial Shut-In 45 T-Open 04:33 Extra Packer Total 2699
 Final Flow 60 T-Pulled 07:48 Extra Recorder Tool Loaded 4-25 @ 11:00
 Final Shut-In 60 T-Out 09:46 Day Standby MP/DST Disc't

Comments G.T.S @ end of FF,
Not enough water to get chlorides

Approved By _____ Our Representative [Signature]

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Hurricane Services, Inc.
 250 N. Water St., Suite #200
 Wichita, KS 67202



Customer	NEC OPERATING --KANSAS LLC	Lease & Well #	<i>RAMBLE #1</i>	Date	4/19/2024
Service District	PRATT	County & State	PAWNEE KS	Legals S/T/R	7-23S-17W
Job Type	SURFACE	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
Equipment #	Driver	Ticket #			
		WP5328			

		Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
912	MATTAL	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
539/521	CLIFTON	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
176/534	JULIAN	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP025	H-Con	sack	235.00	\$5,875.00
CP015	H-325	sack	225.00	\$5,062.50
FE275	8 5/8" AFU Flapper Insert Valve	ea	1.00	\$375.00
FE285	8 5/8" Rubber Plug	ea	1.00	\$175.00
FE250	8 5/8" Centralizer	ea	3.00	\$300.00
M015	Light Equipment Mileage	mi	60.00	\$120.00
M010	Heavy Equipment Mileage	mi	120.00	\$480.00
M020	Ton Mileage	tm	1,299.00	\$1,948.50
C060	Cement Blending & Mixing Service	sack	460.00	\$644.00
D011	Depth Charge: 501'-1000'	job	1.00	\$1,250.00
C035	Cement Data Acquisition	job	1.00	\$250.00
C050	Cement Plug Container	job	1.00	\$250.00
R061	Service Supervisor	day	1.00	\$275.00
CP136	Liquid Defoamer	gal	3.00	\$150.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$17,155.00
<p>Based on this job, how likely is it you would recommend HSI to a colleague?</p> <p style="text-align:center;"> <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"/> </p> <p style="text-align:center;"> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremly Likely </p>		Total Taxable \$ - Tax Rate: State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax: \$ - Total: \$ 17,155.00
		HSI Representative: <i>Mike Mattal</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 *Tim Arnold* **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer: NEC OPERATING --KANSAS LLC	Well: GAMBLE 1	Ticket: WP5328
City, State: GARFIELD KS	County: PAWNEE KS	Date: 4/19/2024
Field Rep:	S-T-R: 7-23S-17W	Service: SURFACE

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	820 ft
Casing Size:	8 5/8 in
Casing Depth:	816.69 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
	49.3 bbls

Calculated Slurry - Lead	
Blend:	H-CON
Weight:	12.7 ppg
Water / Sx:	11.5 gal / sx
Yield:	6.07 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	86.6 bbls
Total Sacks:	235 sx

Calculated Slurry - Tail	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.4 gal / sx
Yield:	1.38 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	55.3 bbls
Total Sacks:	225 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
10:00 AM			-	-	ON LOCATION
2:07 PM				-	RUN 8 5/8 23# CASING WITH INSERT IN 1ST COLLAR, CENTRALIZERS ON 1,9,17
2:17 PM				-	CASING ON BOTTOM
2:17 PM				-	HOOK TO CASING, BREAK CIRCULATION WITH RIG
2:23 PM	5.6	400.0	86.6	86.6	MIX 235 SKS H-CON
2:40 PM	5.5	370.0	55.3	141.9	MIX 225 SKS H-325
2:53 PM				141.9	DROP PLUG
2:55 PM	4.0	200.0		141.9	START DISPLACEMENT
3:09 AM		700.0	49.3	191.2	PLUG DOWN
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	AUSTIN & KENNY

CREW		UNIT	SUMMARY		
Cementor:	MATTAL	912	Average Rate	Average Pressure	Total Fluid
Pump Operator:	CLIFTON	539/521	5.0 bpm	418 psi	191 bbls
Bulk #1:	JULIAN	176/534			
Bulk #2:					



Customer	NEC OPERATING_KANSAS LLC	Lease & Well #	BAMBLE #1		Date	4/26/2024	
Service District	PRATT	County & State	PAWNEE KS	Legals S/T/R	7-23S-17W	Job #	
Job Type	LONGSTRING	<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 # WP5355
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures <input checked="" type="checkbox"/> Hard hat <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Lockout/Tagout <input type="checkbox"/> Warning Signs & Flagging <input checked="" type="checkbox"/> H2S Monitor <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> Required Permits <input type="checkbox"/> Fall Protection <input checked="" type="checkbox"/> Safety Footwear <input type="checkbox"/> Respiratory Protection <input type="checkbox"/> Slip/Trip/Fall Hazards <input type="checkbox"/> Specific Job Sequence/Expectations <input checked="" type="checkbox"/> FRC/Protective Clothing <input type="checkbox"/> Additional Chemical/Acid PPE <input type="checkbox"/> Overhead Hazards <input type="checkbox"/> Muster Point/Medical Locations <input type="checkbox"/> Hearing Protection <input type="checkbox"/> Fire Extinguisher <input type="checkbox"/> Additional concerns or issues noted below					
912	MATTAL						
539/521	CLIFTON						
181/532	E MCGRAW						
Comments							

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP030	H-Long	sack	225.00	\$7,875.00
CP055	H-Plug A	sack	50.00	\$800.00
CP133	Cement Friction Reducer	lb	106.00	\$848.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$375.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
FE130	5 1/2" Cement Basket	ea	1.00	\$300.00
FE135	5 1/2 Turbolizer	ea	10.00	\$1,250.00
CP170	Mud Flush	gal	500.00	\$500.00
AF056	Liquid KCL Substitute 2	gal	2.00	\$40.00
M015	Light Equipment Mileage	mi	60.00	\$120.00
M010	Heavy Equipment Mileage	mi	120.00	\$480.00
M020	Ton Mileage	tm	762.00	\$1,143.00
C060	Cement Blending & Mixing Service	sack	275.00	\$385.00
D015	Depth Charge: 4001'-5000'	job	1.00	\$2,500.00
C035	Cement Data Acquisition	job	1.00	\$250.00
C050	Cement Plug Container	job	1.00	\$250.00
R061	Service Supervisor	day	1.00	\$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?	Net: \$17,741.00	
Based on this job, how likely is it you would recommend HSI to a colleague?	Total Taxable \$ -	Tax Rate:
<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"/>	State tax laws deem certain products and services used on new wells to be sales tax exempt.	
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely	Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	
	Sale Tax: \$ -	Total: \$ 17,741.00

HSI Representative: *Mike Mattal*

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 _____ **CUSTOMER AUTHORIZATION SIGNATURE**



WELL TREATMENT REPORT

Customer: NEC OPERATING_KANSAS LLC	Well: GAMBLE 1	Ticket: WP5355
City, State: GARFIELD KS	County: PAWNEE KS	Date: 4/26/2024
Field Rep: KEATON JONES	S-T-R: 7-23S-17W	Service: LONGSTRING

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4625 ft
Casing Size:	5 1/2 in
Casing Depth:	4608 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-LONG
Weight:	15.0 ppg
Water / Sx:	6.0 gal / sx
Yield:	1.43 ft³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	57.3 bbls
Total Sacks:	225 sx

Calculated Slurry - Tail	
Blend:	H-PLUG A
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	12.0 bbls
Total Sacks:	50 sx

TIME	RATE	PSI	BBLs	STAGE	TOTAL BBLs	REMARKS
12:20 PM			-		-	ON LOCATION
12:25 PM					-	RUN 5 1/2 CASING 17# DRIFTED TO 15.5%, AUTOFILL FLOAT SHOE ON 10.65 SHOE JOINT, BAFFLE IN FIRST COLLAR
					-	TURBOS ON 1,3,5,MARKER,6,7,9,11,13,15 BASKET ON TOP OF 2ND COLLAR
2:20 PM					-	CASING ON BOTTOM
2:25 PM					-	HOOK TO CASING, BREAK CIRCULATION WITH RIG
4:05 PM	5.0	200.0	12.0		12.0	PUMP 500 GALLONS MUDFLUSH
4:09 PM	5.0	200.0	20.0		32.0	PUMP 20 BBL KCL WATER
4:13 PM	5.0	200.0	5.0		37.0	PUMP 5 BBL WATER
4:16 PM	2.0	25.0	7.0		44.0	MIX 30 SKS H-PLUG FOR RAT HOLE
4:20 PM	2.0	25.0	5.0		49.0	MIX 20 SKS H-PLUG FOR MOUSE HOLE
4:23 PM	5.0	230.0	57.0		106.0	MIX 225 SKS H-LONG
4:35 PM	4.0	25.0	7.0		113.0	WASH PUMP AND LINE, DROP PLUG
4:39 PM	7.5	300.0			113.0	START DISPLACEMENT
4:50 PM	7.5	500.0	75.0		188.0	LIFT PRESSURE
4:53 PM	4.5	660.0	95.0		283.0	SLOW RATE
4:56 PM		1,500.0	109.5		392.5	PLUG DOWN
						RELEASED AND HELD
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	JOB COMPLETE, THANK YOU!
					-	MIKE MATTAL
					-	AUSTIN & EJ
					-	

CREW		UNIT		SUMMARY		
Cementer:	MATTAL		912	Average Rate	Average Pressure	Total Fluid
Pump Operator:	GLIFTON		539/521	4.8 bpm	351 psi	393 bbls
Bulk #1:	E MCGRAW		181/532			
Bulk #2:						

Gamble #1
WellSight Systems
 Scale 1:240 (5"=100') Imperial
 Measured Depth Log

Well Name: **Gamble #1**
 API: **15-145-21890-0000**
 Location: **1624' FSL, 362' FWL - Sec.8-T23S-R17W**
 License Number: **35920** Region: **Pawnee County**
 Spud Date: **4/19/2024** Drilling Completed: **4/25/2024**
 Surface Coordinates: **38.062509, -99.221649 (NAD27)**

Bottom Hole Same as Surface
 Coordinates:
 Ground Elevation (ft): **2077** K.B. Elevation (ft): **2090**
 Logged Interval (ft): **3400** To: **4625** Total Depth (ft): **4625**
 Formation: **Arbuckle**
 Type of Drilling Fluid: **Chemical - MudCo**

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com


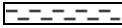

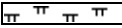
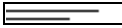
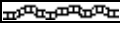




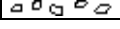


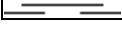
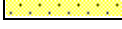




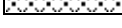
OPERATOR

Company: **NEC Operating Kansas**
 Address: **542 Silicon Dr Suite 100**
South Lake TX 67092

GEOLOGIST

Name: **Keaton Jones**
 Company: **Rockhound Petroleum, LLC**
 Address: **255 NE 30th**
St. John KS 67576

ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

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- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

-
-
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- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

-

Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

-
-
-

- Spotted
- Ques
- Dead

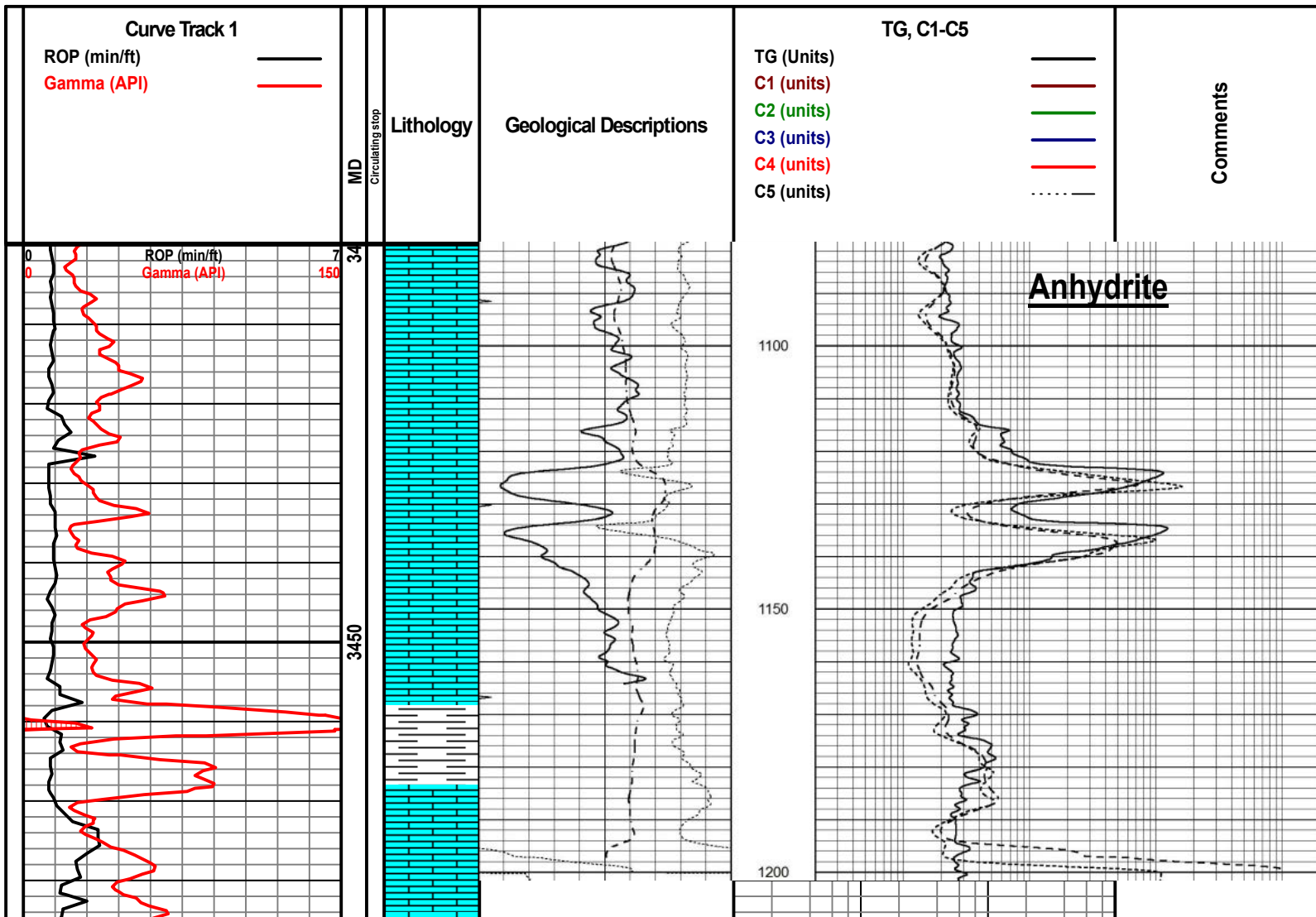
- Dst 3
- Dst

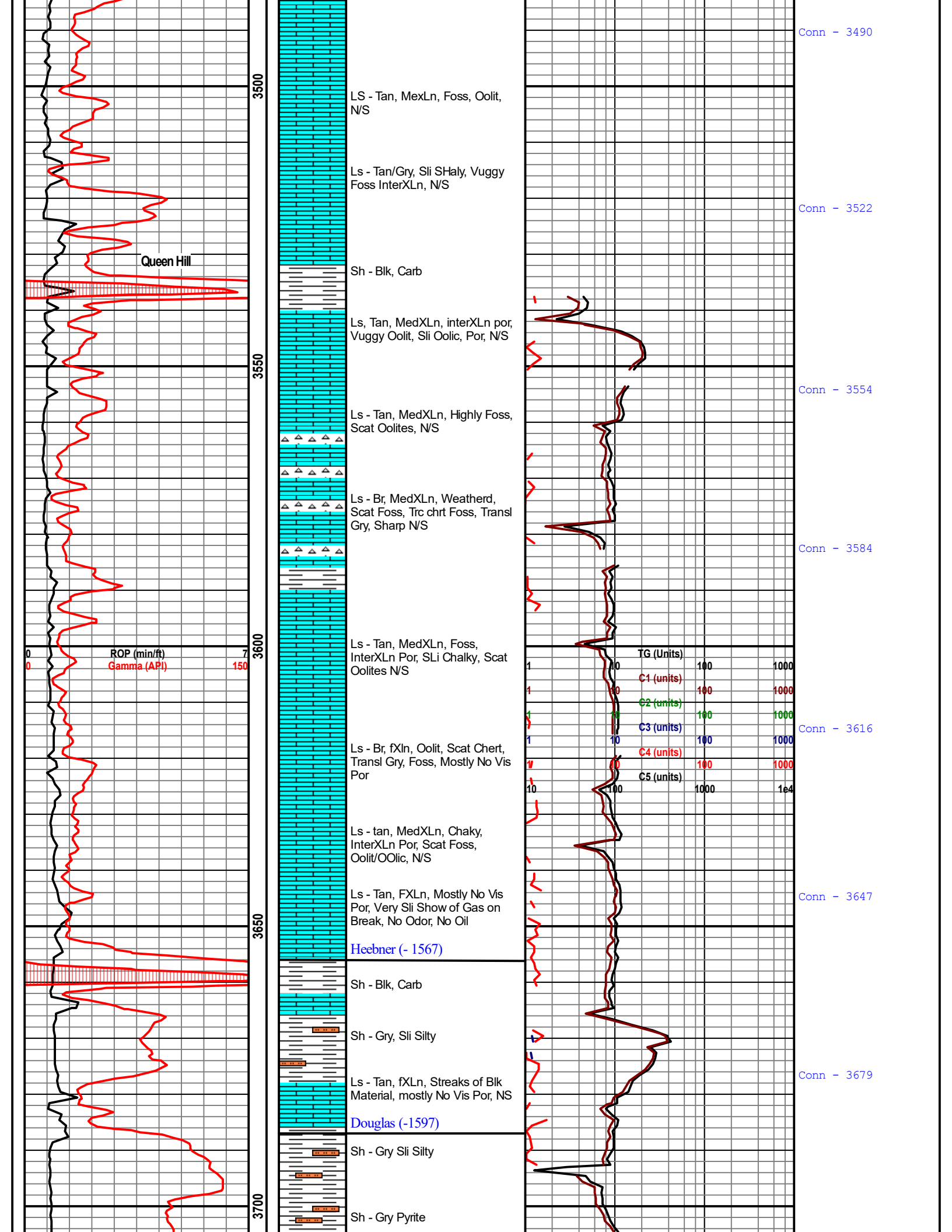
EVENT

- Rft
- Sidewall

INTERVAL

- Core
- Dst 2
- Dst 4





3500

Ls - Tan, MexLn, Foss, Oolit, N/S

Ls - Tan/Gry, Sli SHaly, Vuggy Foss InterXLn, N/S

Queen Hill

Sh - Blk, Carb

Ls, Tan, MedXLn, interXLn por, Vuggy Oolit, Sli Oolic, Por, N/S

3550

Ls - Tan, MedXLn, Highly Foss, Scat Oolites, N/S

Ls - Br, MedXLn, Weatherd, Scat Foss, Trc chrt Foss, Transl Gry, Sharp N/S

3600

Ls - Tan, MedXLn, Foss, InterXLn Por, SLI Chalky, Scat Oolites N/S

ROP (min/ft)
Gamma (API)

TG (Units)	100	1000
C1 (units)	100	1000
C2 (units)	100	1000
C3 (units)	100	1000
C4 (units)	100	1000
C5 (units)	1000	1e4

Ls - Br, fXLn, Oolit, Scat Chert, Transl Gry, Foss, Mostly No Vis Por

Ls - tan, MedXLn, Chaky, InterXLn Por, Scat Foss, Oolit/Oolic, N/S

3650

Ls - Tan, FXLn, Mostly No Vis Por, Very Sli Show of Gas on Break, No Odor, No Oil

Heebner (- 1567)

Sh - Blk, Carb

Sh - Gry, Sli Silty

Ls - Tan, fXLn, Streaks of Blk Material, mostly No Vis Por, NS

Douglas (-1597)

Sh - Gry Sli Silty

Sh - Gry Pyrite

3700

Conn - 3490

Conn - 3522

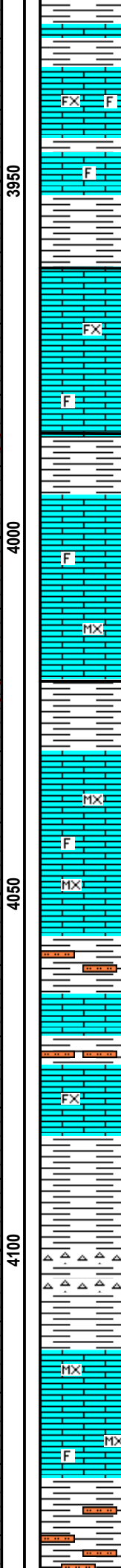
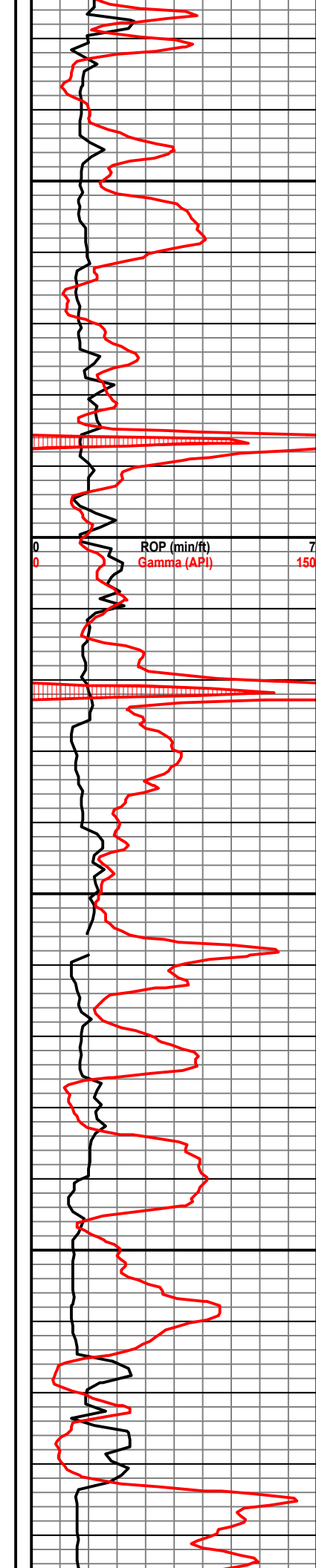
Conn - 3554

Conn - 3584

Conn - 3616

Conn - 3647

Conn - 3679



Sh - Gry

Ls - tan, fXln, Foss, Scat Oolic, Mostly No Vis Por, N/S

LKC "J" (-1872)

Ls - Wht, MicroXLn Mostly No Vis por, N/S

Ls - Tan/Gry, fXln, w/InterXLn Por, Scat Vugs, N/S

Ls - Br, MedXLn, Oolic, Oolit, N/S

Stark (-1897)

Sh - Blk Carb

Ls - Br, fXln, Sme Scat interxn, Mostly No Vis Por, N/S

Ls, cream, MicroXLn, Few Scat Foss, Mostly No Vis Por, N/S

Hushpuckney (-1930)

Sh - Blk Carb

Sh - Gry

Ls - tan/Br MicroXLn, Mostly No Vis Por

Ls - Darl Gry, MicroXLn, No Vis Por

Sh - Gry, Silty, Few Scat Foss

Shales Blue/Gr, Silty

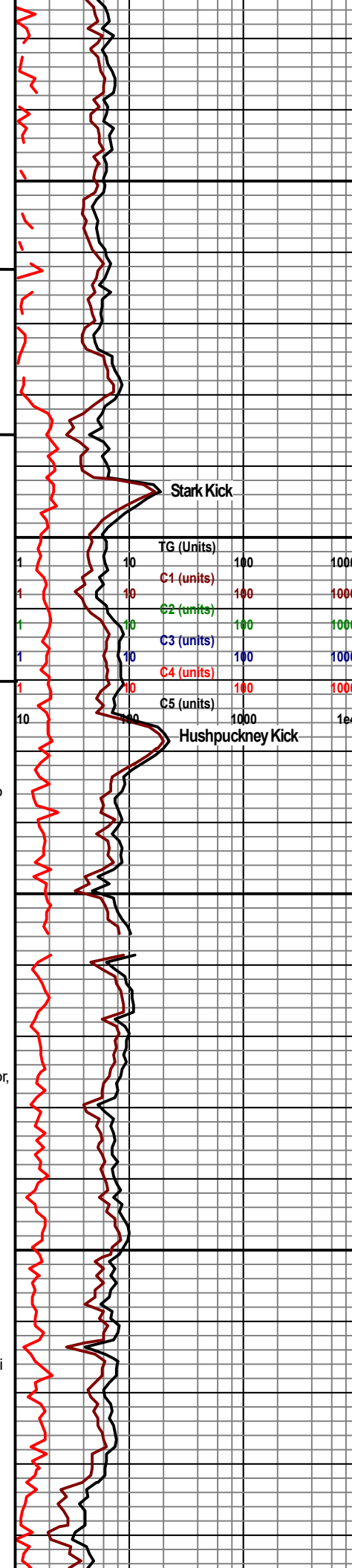
Ls - Blue/Gm, fXln, InterXLn Por, Sli Shaly BLue, Gm W/ Scat RedBeds

Shales - Blue/Gm with some Purple, Few pieces of scattered blue/Gm Chert Sli Oolit, N/S

Ls - Purple/White, MicroXLn, Sli Chalky, N/S

Ls - Tan, MicroXLn, Dse, Sme XLn Edging, Mostly No Vis Por, N/S

Shales - Various colors, sli Silty



Conn - 3930

Conn - 3962

- Mud Check -
Wt: 9.1
Vis: 44
Lcm: 1#

Conn - 3994

Stark Kick

TG (Units)	100	1000
C1 (units)	100	1000
C2 (units)	100	1000
C3 (units)	100	1000
C4 (units)	100	1000
C5 (units)	100	1000

Hushpuckney Kick

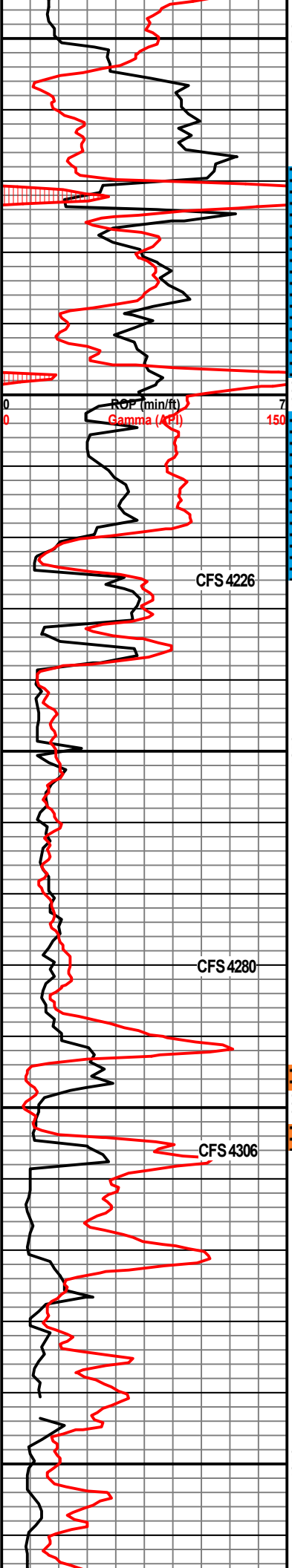
Conn - 4026

Conn - 4058

Conn - 4090

Conn - 4122

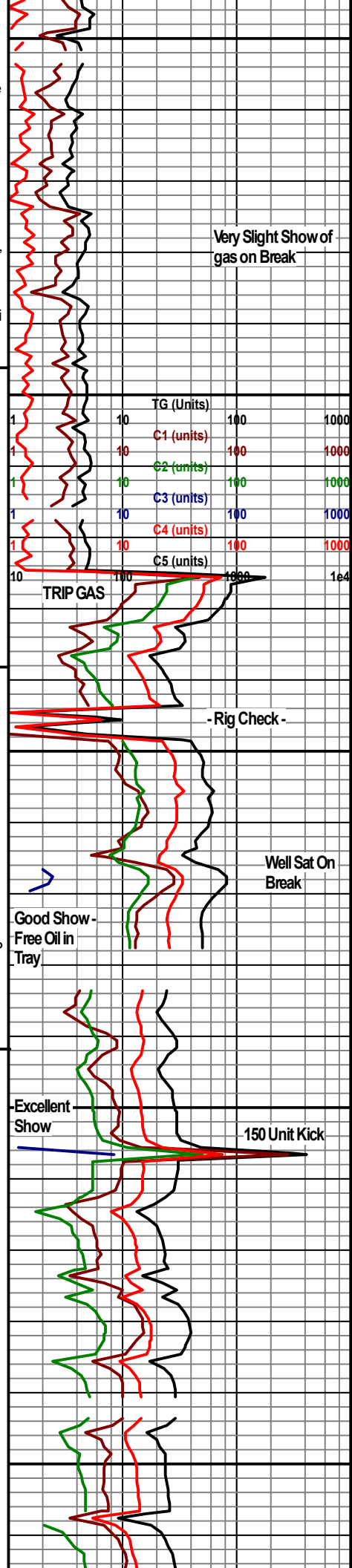
- Mud Report -
Depth: 4150
Wt: 9.0
Vis: 51
Fil: 8.8
Chl: 5.000
Lcm: 2.5#



4150
4200
4250
4300
4350



Ls - Tan, MicroXLn, W/InterXLn Por, Chert, various colors, Purple green Yellow Orange, Sharp, Scat oolites, InterXLn Por, Dse,
Sh - Dark Gry, Pyrite
Ls - Tan, MicroXLn, Vry Dse, Some Scat InterXLn Por, Cherty, Transl, Scat Foss, N/S
Ls - Dark Gry, fXLn, Abundant InterXLn Por, Scat Foss, Very Sli Sho Gas W/ Faint Odor N/Oil N/Fluor
Sh - Clays - Red Chalky
CH - Various Colors, Sharp, Scat Foss, Mostly No Vls POr, Vry Sli Show of Light Free Oil, Abundant Oil Stn, Scat Bright Fluor N/Odor
Mississippi (-2148)
Congl - Red shales with Various colored cherts
Ch - Various colors Sharp Oolit, No Vis POr, Sme LS/Ch W/ InterXLn Por, PP Por, Sharp GSFO&G Faint Odor
CH - Sli Dol/ Vuggy, PP Por, Weathered, Green colored. GSFO&G Faint Odor
Ch - Dolomitic, White - Vuggy, PP Por InterXLn, Por, Scat Foss Well Sat W/ GSFO&G
Misener (-2202)
SS - Br, MedGr, Well Sort, Sub Rd, Scat Dol Matrix, Very Few Scat Green Clays, GSFO&G Well Sat, Faint Odor
Shl - Gry, Gm, Waxy, Sli Scat CH, Shrp, N/S
SS - Purple - Vry F Gm RD, Well Sort - LS & Shaly
SS - purple - as above, Less Shale with Sme InterXLn Por
Ls - Various Colors, Wackstne, Scat Foss, Purple Shales with InterBd SS
Ls - Purple/Red, MedXLn, Sandy, Med Gr, Sub RD Pr Sort, Increasing Chrt
Ls - Wht, fXLn, Vuggy, Scat interbed Chrt, Shaly, N/S

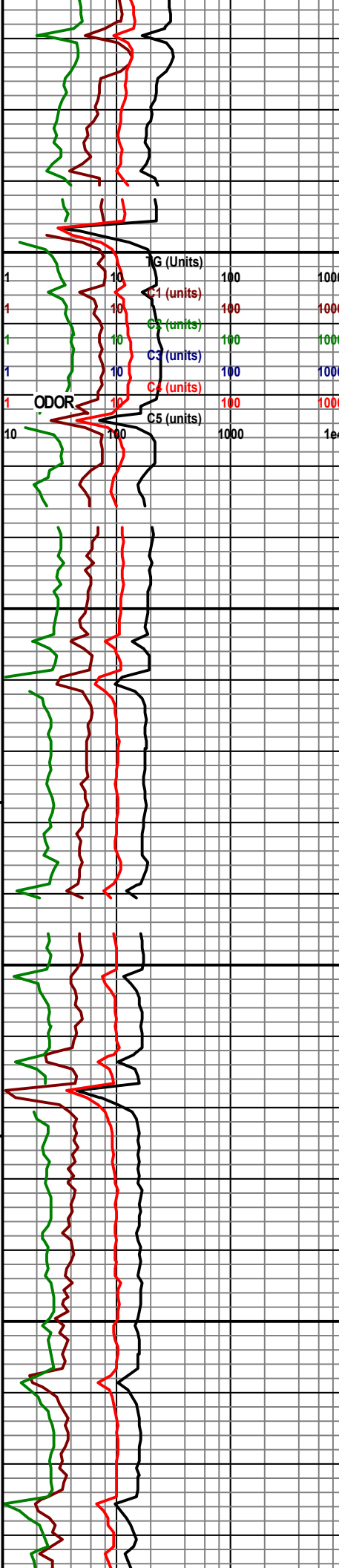
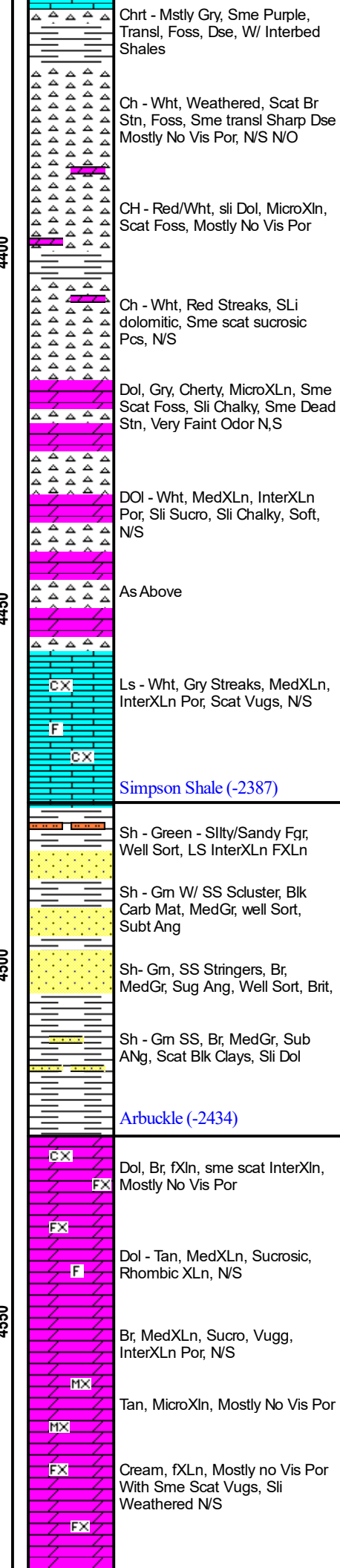
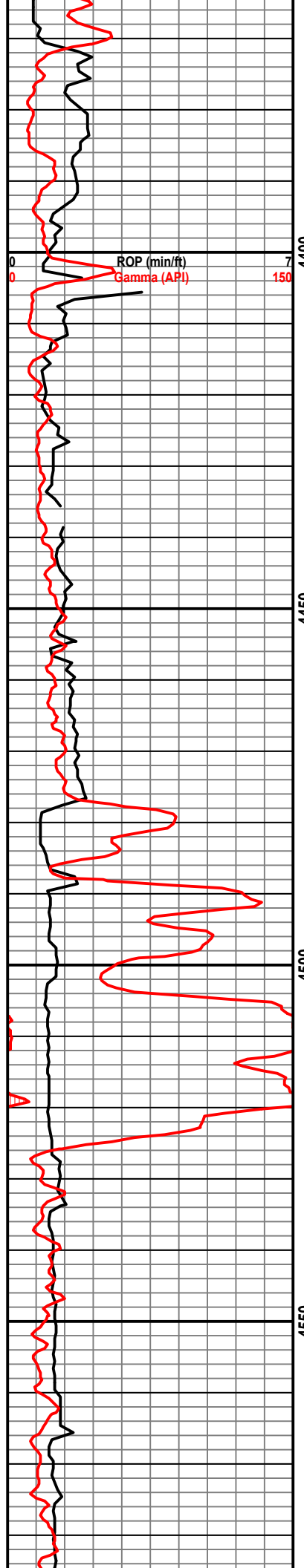


Bit Trip @4150
Conn 4153
Very Slight Show of gas on Break
Conn - 4185
- Mud Check -
Wt: 9.2
Vis: 52
- DST (1) -
4168-4226
Rec: 60' 5%G, 5%O, 90%Mud
120' GIP
Conn - 4217
IH: 2075
IF: 33-44
FF: 47-56
SIP: 405-344
FH: 2059
BHT: 114
- Mud Report -
Depth: 4269
Wt: 9.2
Vis: 68
Fil: 8.8
Chl: 7,000
Lcm: 3#
Conn - 4249
- DST (2) -
4230-4280
Rec: 710' SW, 1%M, 99%W
290' MCW, 20%M, 80%W
IH: 2107
IF: 279-495
FF: 498-510
SIP: 509-511
FH: 2079
BHT: 117
Chl: 23,500
Conn - 4280
- Rig Check -
Well Sat On Break
Good Show - Free Oil in Tray
Excellent Show
150 Unit Kick
Ran back in after DST (3) with a PDC Bit
Conn - 4312
- Mud Report -
Depth: 4306
Wt: 9.3
Vis: 78
Fil: 10.8
Chl: 9,500
Lcm: 2#
Conn - 4343
- DST (3) -
4295-4306
Rec: GTS 30 Min
35' GWCMO - 35%G, 15%W, 25%M, 25%O
40' CGO - 45%G, 55%O

CFS 4226

CFS 4280

CFS 4306



IH: 2101
IF: 25-39
FF: 37-82
SIP: 578-569
FH: 2086

Conn - 4375

Conn - 4406

Conn - 4437

Conn - 4469

Conn - 4501

Conn - 4533

- Mud Check -
Wt: 8.9
Vis: 70

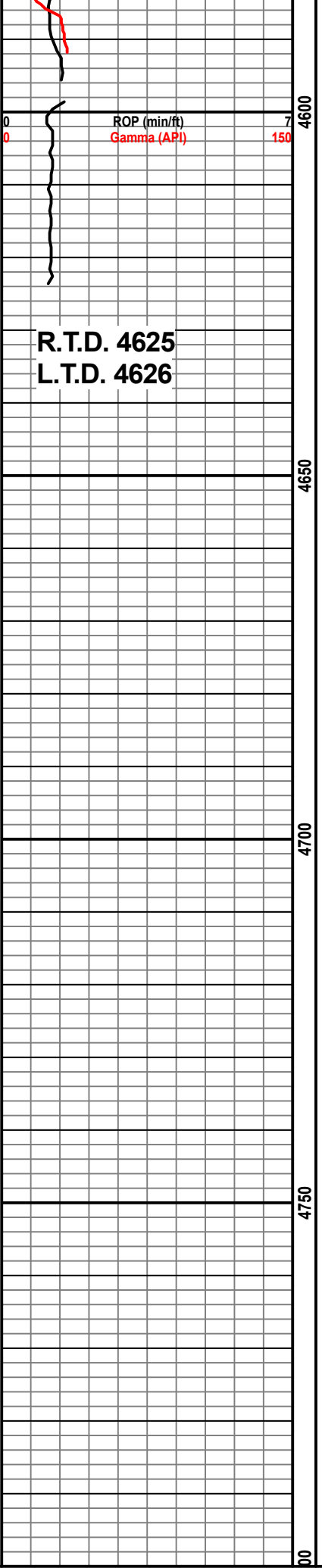
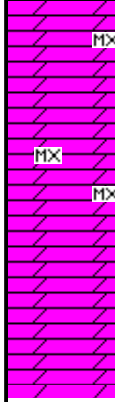
Conn - 4565

- Mud Check -
Wt: 9.2
Vis: 50

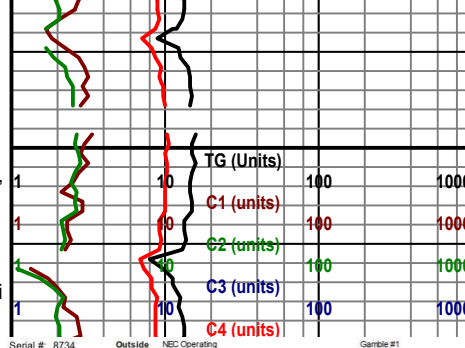
Tan, MicroXLn, Mostly no Vis
Por With Few Scat Oolites Sli
Cherty

Cream, MicroXLn, Microolit, Dse,
N/S

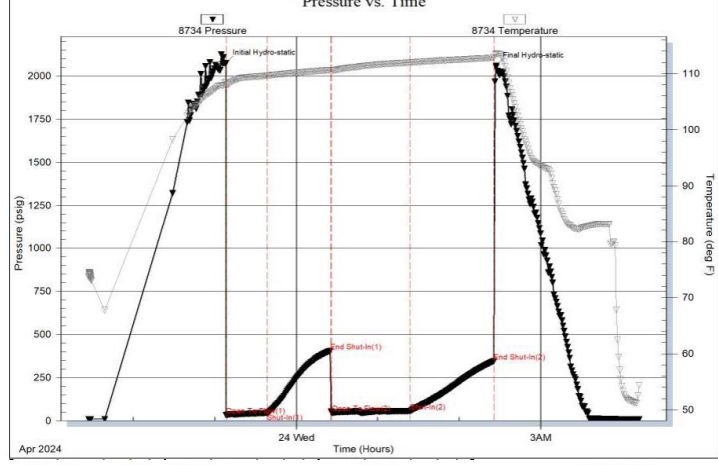
Tan, MedXLn, Lrg Scat Vugs, Sli
Sucre



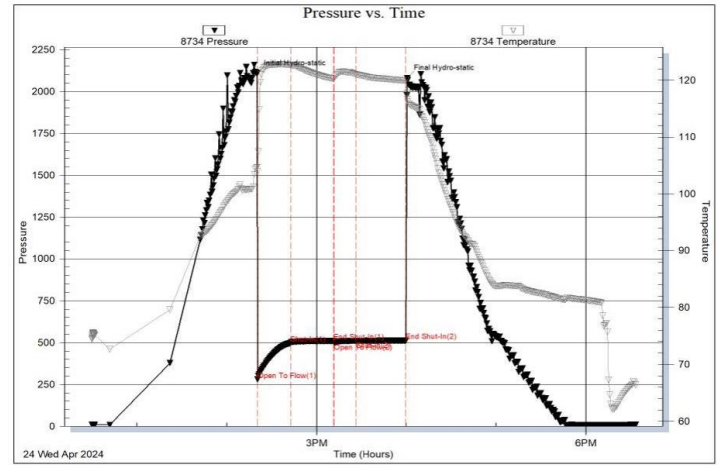
R.T.D. 4625
L.T.D. 4626



Serial #: 8734 Outside NEC Operating Gamble #1 DST Test Number: 1



Serial #: 8734 Outside NEC Operating Gamble #1 DST Test Number: 2



Serial #: 8734 Outside NEC Operating Gamble #1 DST Test Number: 3

