

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) (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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# HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:  
VAL ENERGY, INC.  
125 N MARKET  
STE 1710  
Wichita, KS 67202

Invoice Date: 12/16/2020  
Invoice #: 0350816  
Lease Name: Wayne's Trust  
Well #: 1-9  
County: Thomas, Ks  
Job Number: WP1029  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Plug	0.000	0.000	0.00
Cement Pump Service	1.000	525.000	525.00
Heavy Eq Mileage	49.000	2.800	137.20
Light Eq Mileage	49.000	1.400	68.60
Ton Mileage	544.250	1.050	571.46
Wooden plug 8 5/8"	1.000	105.000	105.00
H-Plug	240.000	9.100	2,184.00

Net Invoice	3,591.26
Sales Tax:	199.97
<b>Total</b>	<b>3,791.23</b>

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**







## HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:  
VAL ENERGY, INC.  
125 N MARKET  
STE 1710  
Wichita, KS 67202

Invoice Date: 12/7/2020  
Invoice #: 0350585  
Lease Name: Wayne's Trust  
Well #: 1-9 (New)  
County: Thomas, Ks  
Job Number: ICT4492  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Pump Service	1.000	525.000	525.00
Heavy Eq Mileage	49.000	2.800	137.20
Light Eq Mileage	49.000	1.400	68.60
Ton Mileage	532.000	1.050	558.60
Cement Pozmix 60/40	230.000	9.100	2,093.00
Calcium Chloride	593.400	0.525	311.54
Pheno Seal	57.600	1.225	70.56

**Total** 3,764.50

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**









## DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

125 N Market St STE 1110  
Wichita, KS 67202

ATTN: Tim Priest

### **Wayne's Trust #1-9**

### **9-7s-36w Thomas,KS**

Start Date: 2020.12.13 @ 01:40:00

End Date: 2020.12.13 @ 09:14:30

Job Ticket #: 66564                      DST #: 1

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

Printed: 2020.12.17 @ 09:01:06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

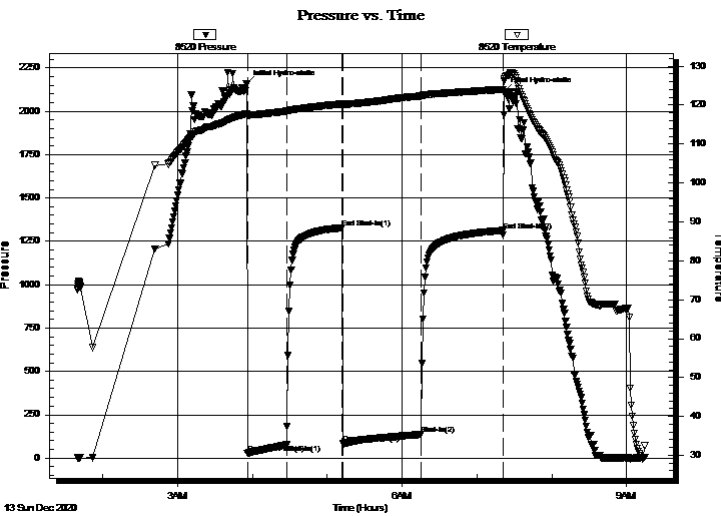
**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66564 **DST#: 1**  
Test Start: 2020.12.13 @ 01:40:00

## GENERAL INFORMATION:

Formation: **KC " H - L "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:56:00  
Time Test Ended: 09:14:30  
Interval: **4352.00 ft (KB) To 4490.00 ft (KB) (TVD)**  
Total Depth: 4490.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 3378.00 ft (KB)  
3373.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8520 Outside**  
Press@RunDepth: 137.10 psig @ 4353.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2020.12.13 End Date: 2020.12.13 Last Calib.: 2020.12.13  
Start Time: 01:40:01 End Time: 09:14:30 Time On Btm: 2020.12.13 @ 03:55:40  
Time Off Btm: 2020.12.13 @ 07:22:00

**TEST COMMENT:** 30-IF-Surface blow built to 4 1/4"  
45-ISI-No blow back  
60-FF-Surface blow @ 2 mins built to 6"  
60-FSI-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2156.87	117.87	Initial Hydro-static
1	27.34	117.21	Open To Flow (1)
32	76.24	118.44	Shut-In(1)
77	1328.46	120.29	End Shut-In(1)
77	82.09	120.05	Open To Flow (2)
140	137.10	122.34	Shut-In(2)
205	1312.65	124.04	End Shut-In(2)
207	2115.62	126.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
230.00	MCW 17%M, 83%W	1.62

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66564      **DST#: 1**  
Test Start: 2020.12.13 @ 01:40:00

**Tool Information**

Drill Pipe:	Length: 4159.00 ft	Diameter: 3.80 inches	Volume: 58.34 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4352.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	138.00 ft			
Tool Length:	170.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			4325.00	
Hydraulic tool	5.00	1113		4330.00	
Jars	5.00	01-07		4335.00	
EM Tool	4.00			4339.00	
Safety Joint	3.00	-001		4342.00	
Packer	5.00			4347.00	32.00      Bottom Of Top Packer
Packer	5.00			4352.00	
Packer - Shale	0.00			4352.00	
Stubb	1.00			4353.00	
Recorder	0.00	8959	Inside	4353.00	
Recorder	0.00	8520	Outside	4353.00	
Perforations	5.00			4358.00	
Change Over Sub	1.00			4359.00	
Drill Pipe	127.00			4486.00	
Change Over Sub	1.00			4487.00	
Bullnose	3.00			4490.00	138.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>170.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Val Energy Inc

**9-7s-36w Thomas,KS**

125 N Market St STE 1110  
Wichita, KS 67202

**Wayne's Trust #1-9**

Job Ticket: 66564

**DST#: 1**

ATTN: Tim Priest

Test Start: 2020.12.13 @ 01:40:00

### 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:

60000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
230.00	MCW 17%M, 83%W	1.623

Total Length: 230.00 ft      Total Volume: 1.623 bbl

Num Fluid Samples: 0

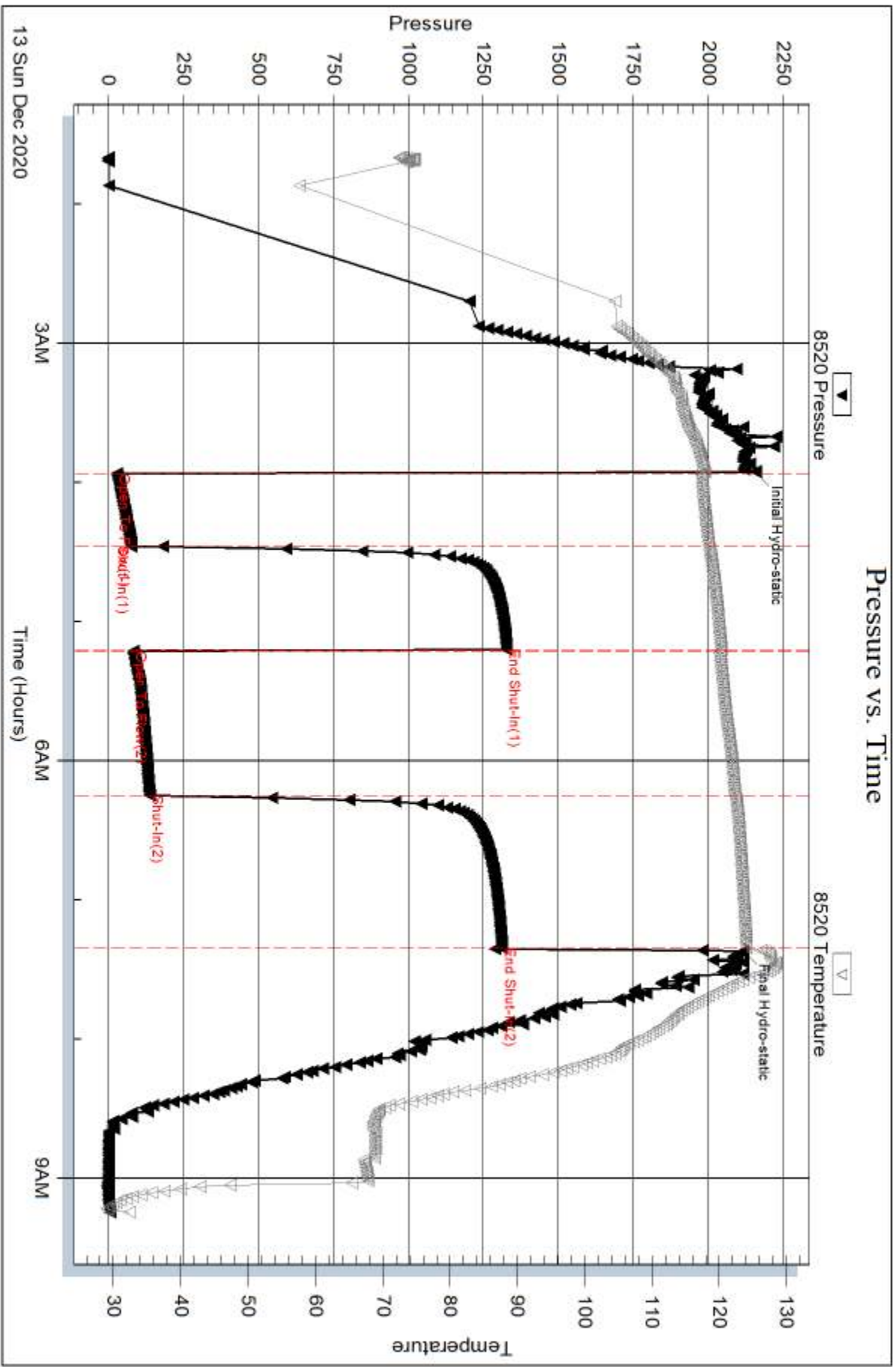
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .285 @ 33.0 degs = 60,000PPM



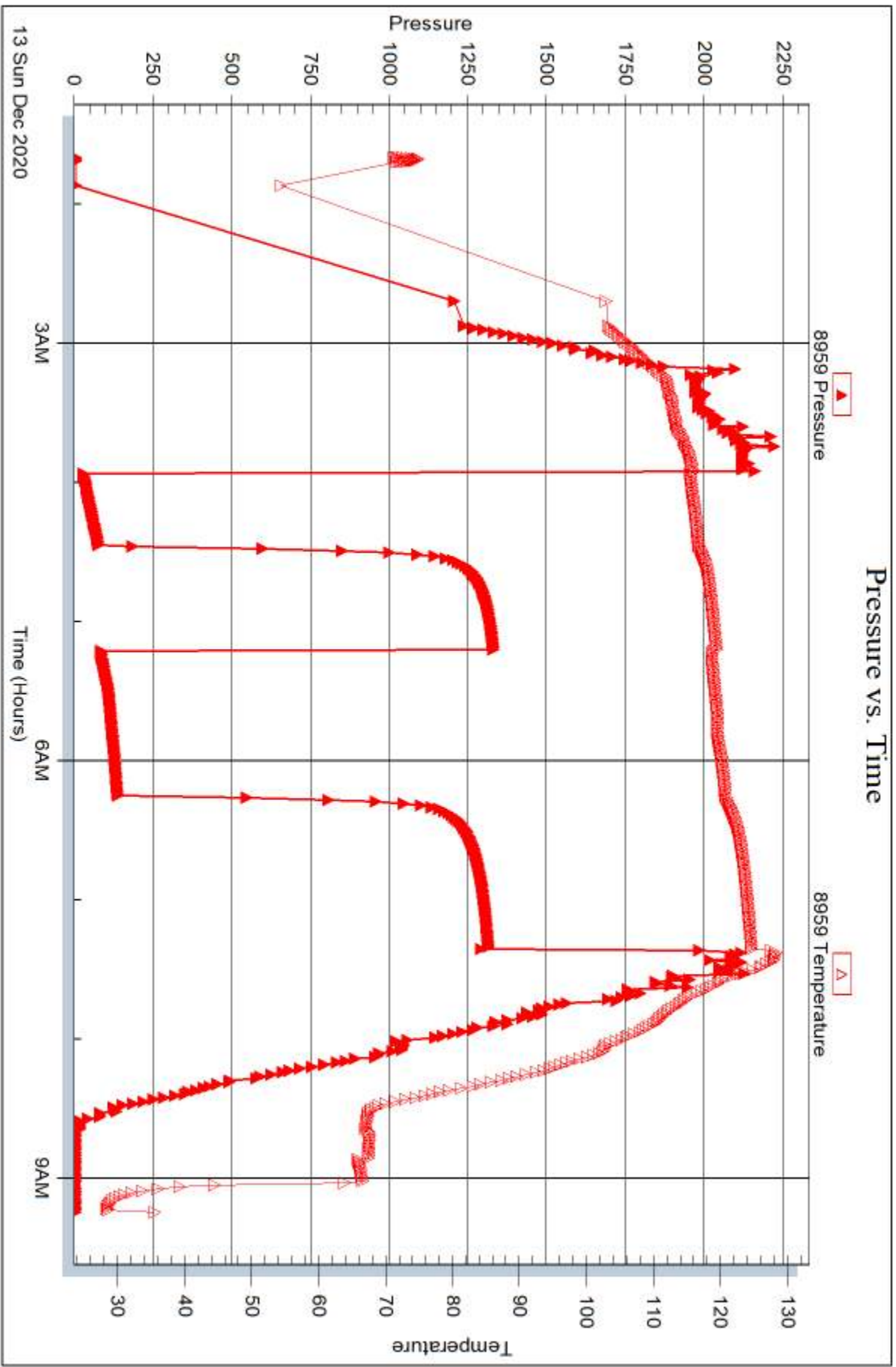
Serial #: 8959

Inside

Val Energy Inc

Wayne's Trust#1-9

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 66564

Printed: 2020.12.17 @ 09:01:07





## DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

125 N Market St STE 1110  
Wichita, KS 67202

ATTN: Tim Priest

### **Wayne's Trust #1-9**

### **9-7s-36w Thomas,KS**

Start Date: 2020.12.13 @ 21:13:00

End Date: 2020.12.14 @ 05:03:20

Job Ticket #: 66565                      DST #: 2

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

Printed: 2020.12.17 @ 09:00:28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

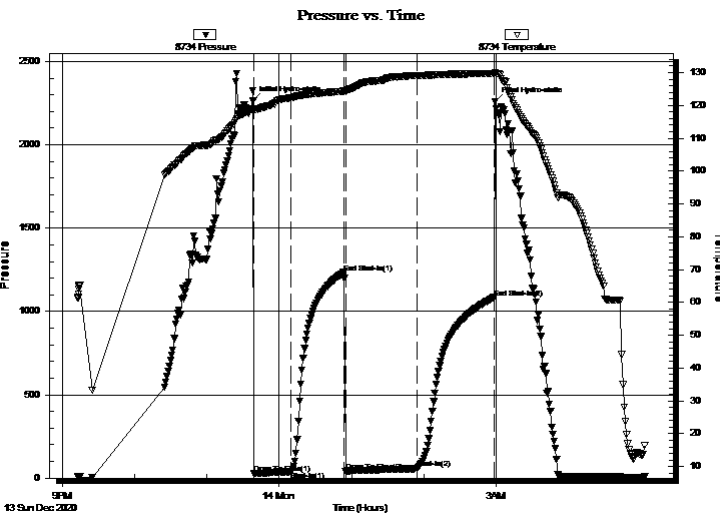
**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66565 **DST#: 2**  
Test Start: 2020.12.13 @ 21:13:00

## GENERAL INFORMATION:

Formation: **Pleasanton/Marmaton**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 23:38:50  
Time Test Ended: 05:03:20  
Interval: **4500.00 ft (KB) To 4565.00 ft (KB) (TVD)**  
Total Depth: 4565.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 3378.00 ft (KB)  
3373.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
Press@RunDepth: 57.08 psig @ 4501.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2020.12.13 End Date: 2020.12.14 Last Calib.: 2020.12.14  
Start Time: 21:13:01 End Time: 05:03:20 Time On Btm: 2020.12.13 @ 23:38:30  
Time Off Btm: 2020.12.14 @ 02:58:50

TEST COMMENT: 30-IF-Surface blow built to 2"  
45-ISI-No blow back  
60-FF-Surface blow built to 1 3/4"  
60-FSI-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.22	119.12	Initial Hydro-static
1	28.91	118.36	Open To Flow (1)
32	38.85	122.33	Shut-In(1)
75	1234.00	124.37	End Shut-In(1)
77	42.78	124.51	Open To Flow (2)
136	57.08	129.10	Shut-In(2)
200	1083.18	129.75	End Shut-In(2)
201	2258.25	130.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	HMCO 40%M, 60%O	0.30
5.00	CO 100%O	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**

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66565 **DST#: 2**  
Test Start: 2020.12.13 @ 21:13:00

## Tool Information

Drill Pipe:	Length: 4319.00 ft	Diameter: 3.80 inches	Volume: 60.58 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4500.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 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			4473.00	
Hydraulic tool	5.00	1113		4478.00	
Jars	5.00	01-07		4483.00	
EM Tool	4.00			4487.00	
Safety Joint	3.00	-001		4490.00	
Packer	5.00			4495.00	32.00 Bottom Of Top Packer
Packer	5.00			4500.00	
Packer - Shale	0.00			4500.00	
Stubb	1.00			4501.00	
Recorder	0.00	8959	Inside	4501.00	
Recorder	0.00	8734	Outside	4501.00	
Perforations	27.00			4528.00	
Change Over Sub	1.00			4529.00	
Drill Pipe	32.00			4561.00	
Change Over Sub	1.00			4562.00	
Bullnose	3.00			4565.00	65.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>97.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Val Energy Inc

**9-7s-36w Thomas,KS**

125 N Market St STE 1110  
Wichita, KS 67202

**Wayne's Trust #1-9**

Job Ticket: 66565

**DST#: 2**

ATTN: Tim Priest

Test Start: 2020.12.13 @ 21:13:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	HMCO 40%M, 60%O	0.295
5.00	CO 100%O	0.025

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

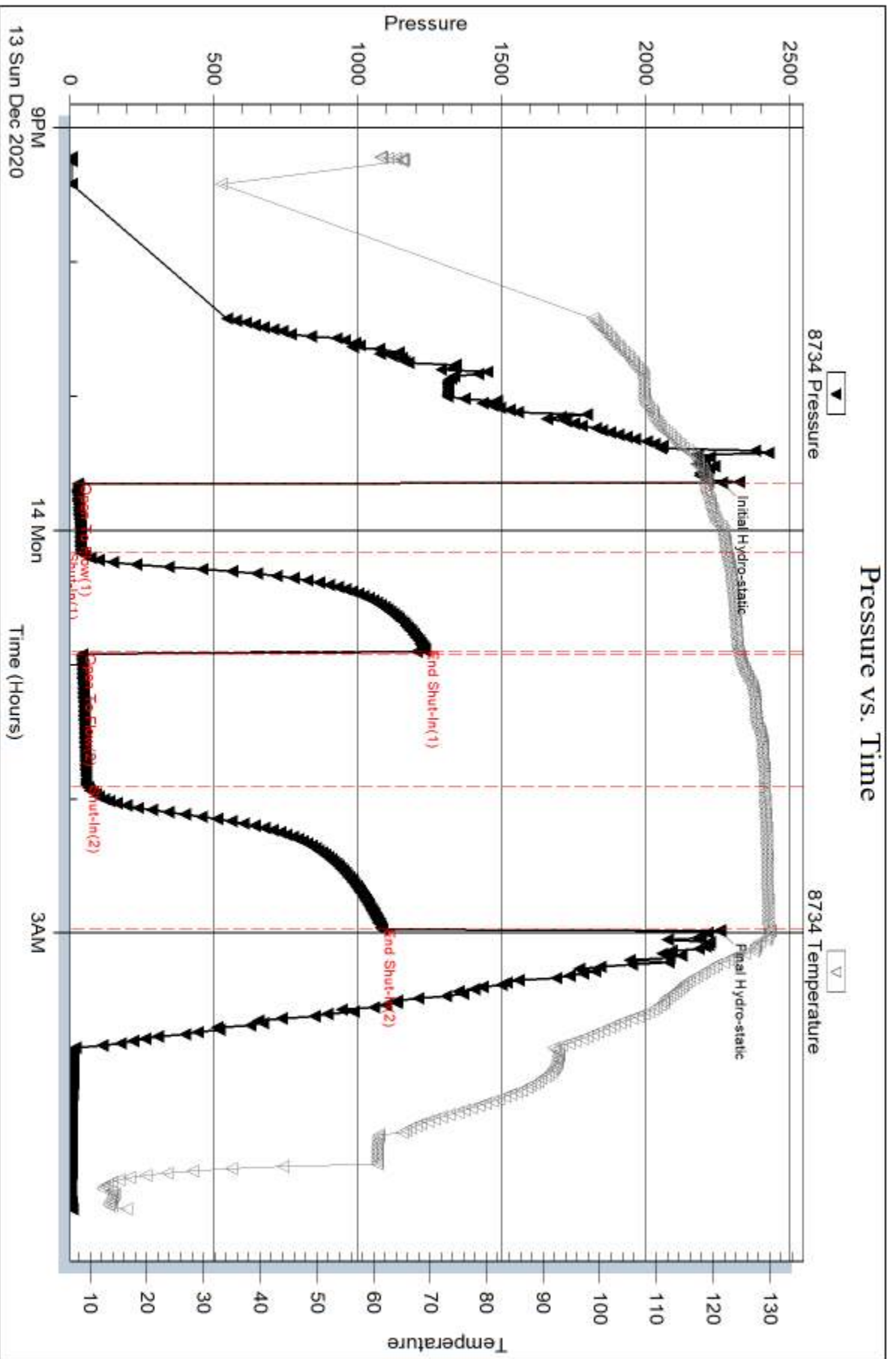
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 25.4 @ 46 degs corrected to 26.8 @ 60 degs



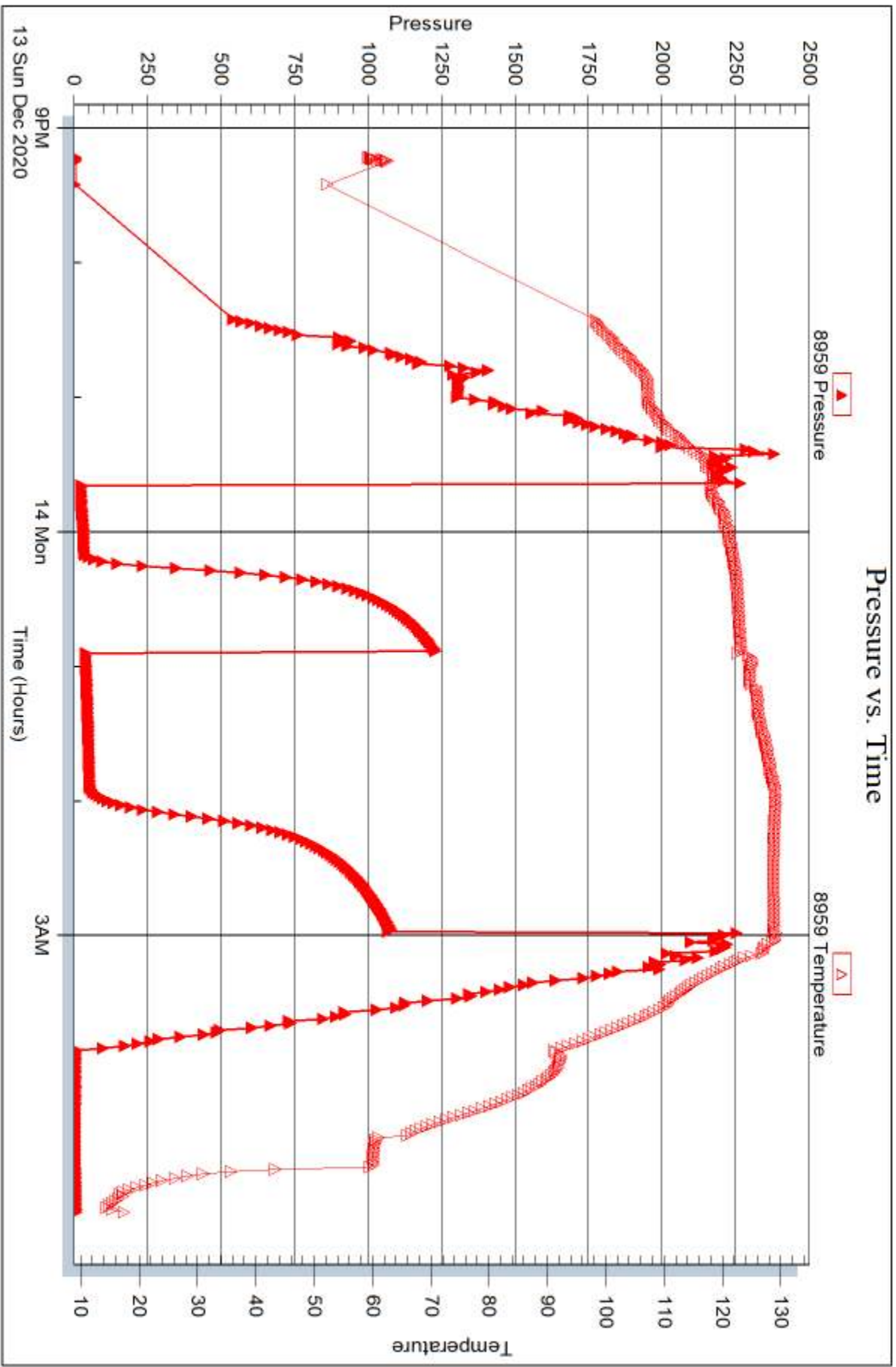
Serial #: 8959

Inside

Val Energy Inc

Wayne's Trust#1-9

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 66565

Printed: 2020.12.17 @ 09:00:29



## DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

125 N Market St STE 1110  
Wichita, KS 67202

ATTN: Tim Priest

### **Wayne's Trust #1-9**

### **9-7s-36w Thomas,KS**

Start Date: 2020.12.14 @ 17:45:00

End Date: 2020.12.15 @ 01:53:00

Job Ticket #: 66566                      DST #: 3

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

Printed: 2020.12.17 @ 08:59:59





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66566 **DST#: 3**  
Test Start: 2020.12.14 @ 17:45:00

## GENERAL INFORMATION:

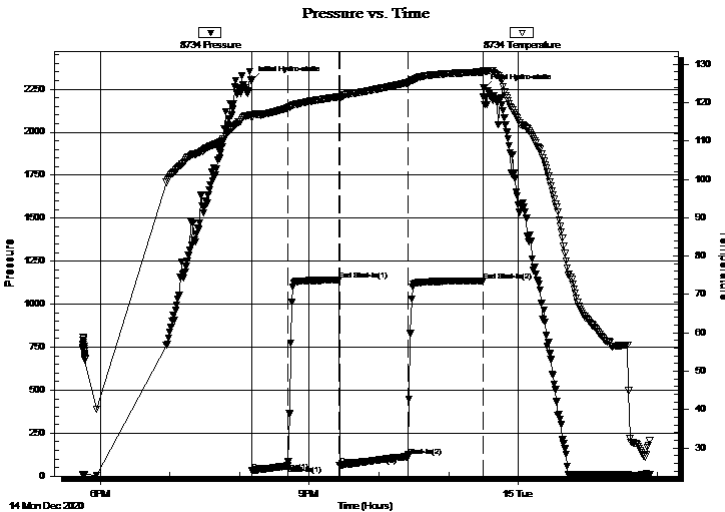
Formation: **Marmaton - Myrick St**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:10:50  
Time Test Ended: 01:53:00  
Interval: **4563.00 ft (KB) To 4644.00 ft (KB) (TVD)**  
Total Depth: 4644.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Martine Salinas  
Unit No: 82  
Reference Elevations: 3378.00 ft (KB)  
3373.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 8734 Outside

Press@RunDepth: 112.73 psig @ 4564.00 ft (KB)  
Start Date: 2020.12.14 End Date: 2020.12.15  
Start Time: 17:45:01 End Time: 01:53:00  
Capacity: 8000.00 psig  
Last Calib.: 2020.12.15  
Time On Btm: 2020.12.14 @ 20:10:30  
Time Off Btm: 2020.12.14 @ 23:30:09

TEST COMMENT: 30-IF-Surface blow built to 3"  
45-ISI-No blow back  
60-FF-Surface blow built to 4 1/4"  
60-FSI-No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2299.15	116.83	Initial Hydro-static
1	30.56	116.09	Open To Flow (1)
32	60.14	118.57	Shut-In(1)
76	1140.03	121.50	End Shut-In(1)
76	62.38	120.95	Open To Flow (2)
135	112.73	125.13	Shut-In(2)
199	1135.50	127.95	End Shut-In(2)
200	2255.85	128.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM 14%O, 86%M	0.92

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66566 **DST#: 3**  
Test Start: 2020.12.14 @ 17:45:00

## Tool Information

Drill Pipe:	Length: 4383.00 ft	Diameter: 3.80 inches	Volume: 61.48 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 62.35 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4563.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	81.00 ft				
Tool Length:	113.00 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			4536.00	
Hydraulic tool	5.00	1113		4541.00	
Jars	5.00	01-07		4546.00	
EM Tool	4.00			4550.00	
Safety Joint	3.00	-001		4553.00	
Packer	5.00			4558.00	32.00 Bottom Of Top Packer
Packer	5.00			4563.00	
Packer - Shale	0.00			4563.00	
Stubb	1.00			4564.00	
Recorder	0.00	8959	Inside	4564.00	
Recorder	0.00	8734	Outside	4564.00	
Perforations	12.00			4576.00	
Change Over Sub	1.00			4577.00	
Drill Pipe	63.00			4640.00	
Change Over Sub	1.00			4641.00	
Bullnose	3.00			4644.00	81.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>113.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Val Energy Inc

**9-7s-36w Thomas,KS**

125 N Market St STE 1110  
Wichita, KS 67202

**Wayne's Trust #1-9**

Job Ticket: 66566

**DST#: 3**

ATTN: Tim Priest

Test Start: 2020.12.14 @ 17:45:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

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 bbl
180.00	OCM 14%O, 86%M	0.922

Total Length: 180.00 ft      Total Volume: 0.922 bbl

Num Fluid Samples: 0

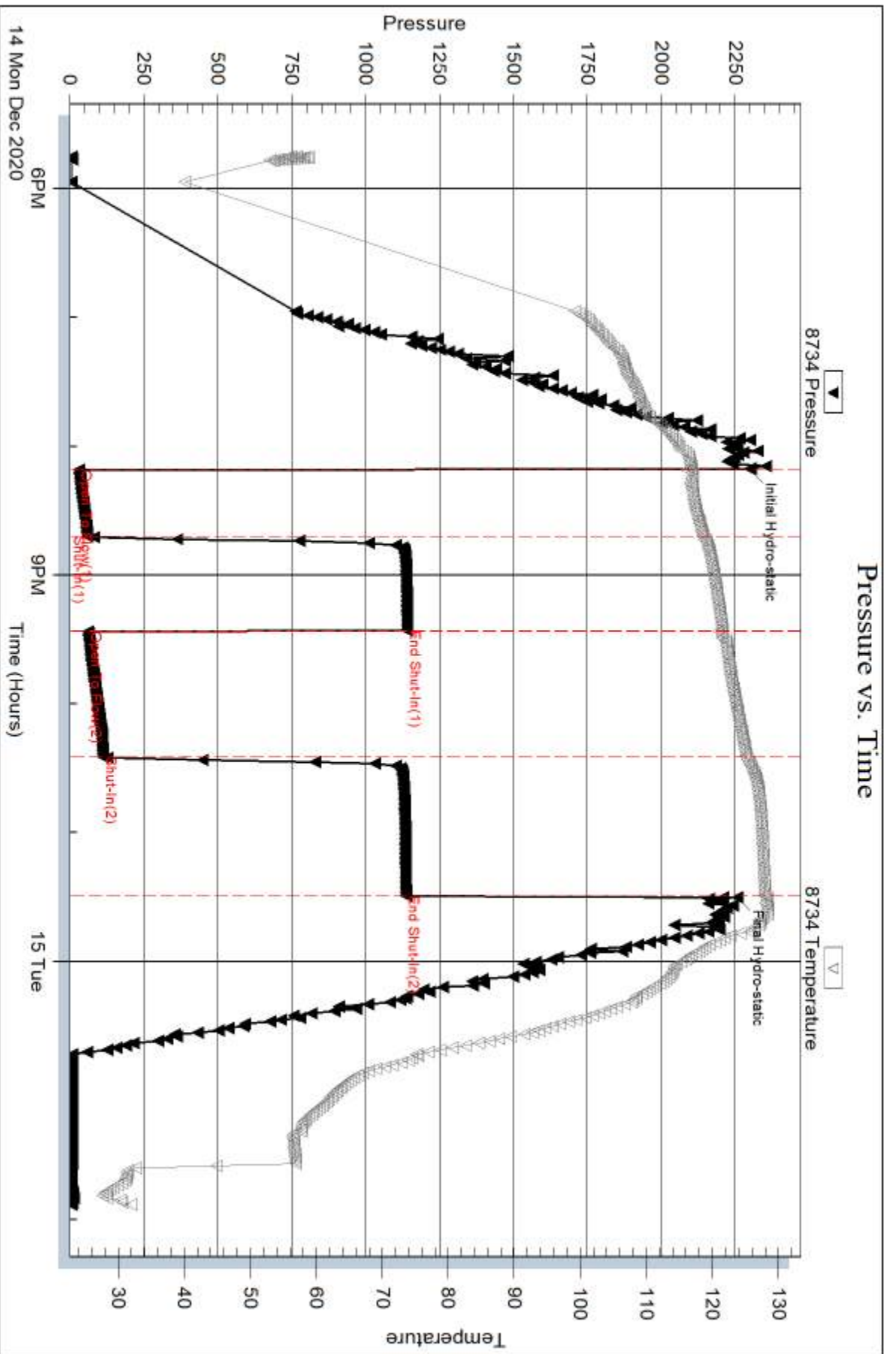
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Pulled 25K over STWT and drug 30' Ruined Shale Packer



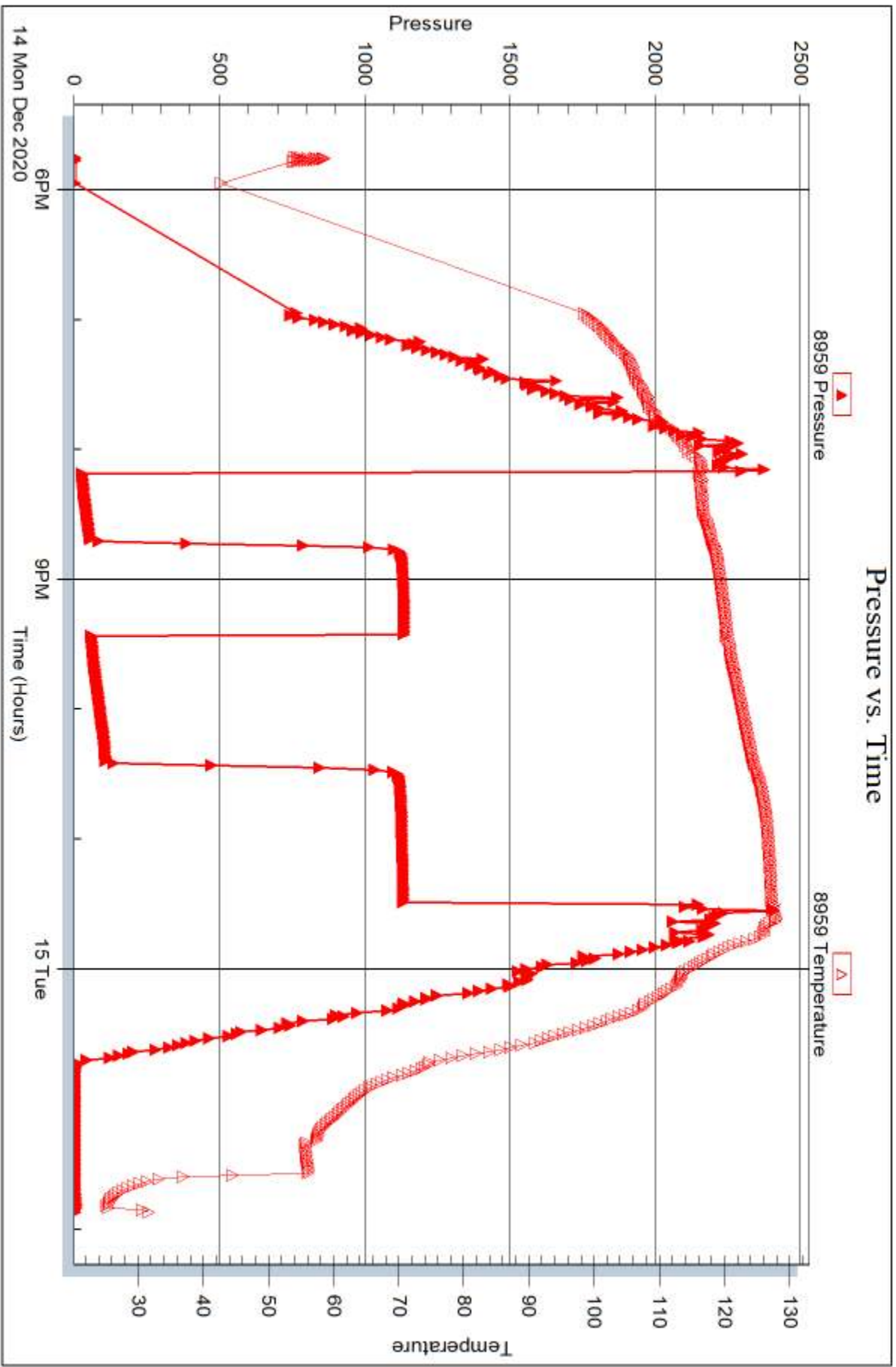
Serial #: 8959

Inside

Val Energy Inc

Wayne's Trust#1-9

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 66566

Printed: 2020.12.17 @ 09:00:01



## DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

125 N Market St STE 1110  
Wichita, KS 67202

ATTN: Tim Priest

### **Wayne's Trust #1-9**

### **9-7s-36w Thomas,KS**

Start Date: 2020.12.15 @ 15:36:00

End Date: 2020.12.16 @ 01:09:49

Job Ticket #: 66567                      DST #: 4

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

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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Val Energy Inc  
 125 N Market St STE 1110  
 Wichita, KS 67202  
 ATTN: Tim Priest

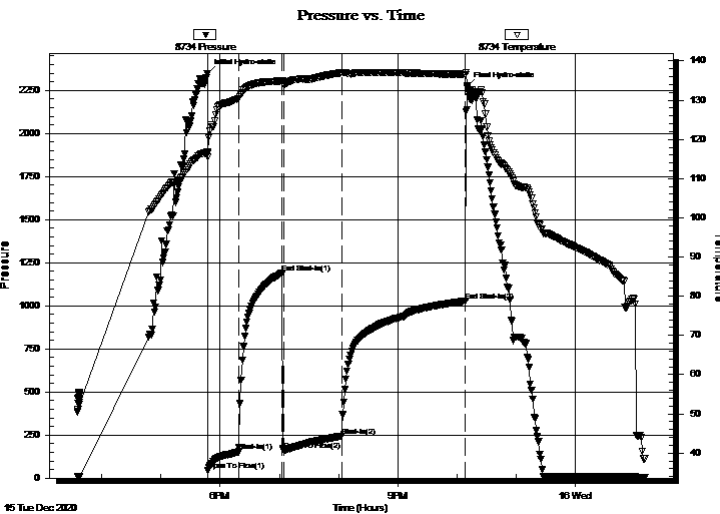
**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
 Job Ticket: 66567 **DST#: 4**  
 Test Start: 2020.12.15 @ 15:36:00

## GENERAL INFORMATION:

Formation: **Ft Scott - Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:47:20  
 Time Test Ended: 01:09:49  
 Interval: **4680.00 ft (KB) To 4758.00 ft (KB) (TVD)**  
 Total Depth: 4758.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 3378.00 ft (KB)  
 3373.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8734 Outside**  
 Press@RunDepth: 243.26 psig @ 4681.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2020.12.15 End Date: 2020.12.16 Last Calib.: 2020.12.16  
 Start Time: 15:36:01 End Time: 01:09:49 Time On Btm: 2020.12.15 @ 17:47:10  
 Time Off Btm: 2020.12.15 @ 22:10:09

**TEST COMMENT:** 30-IF- BOB (11 inches) @ 13 mins Blow increased to 21 1/2"  
 45-ISI-Surface blow back @ 2 mins built to 2 1/4"  
 60-FF- BOB(11 inches) @ 23 mins (blow increased to 28")  
 120-FSI-Surface blow back built to 5 1/2" & decreased to 5 1/4"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2349.60	116.74	Initial Hydro-static
1	42.90	115.49	Open To Flow (1)
32	153.24	130.47	Shut-In(1)
76	1191.02	134.88	End Shut-In(1)
77	161.75	134.10	Open To Flow (2)
136	243.26	137.01	Shut-In(2)
262	1028.71	136.62	End Shut-In(2)
263	2271.36	133.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
465.00	GMCO 15%G, 24%M, 61%O	4.92
60.00	CGO 20%G, 80%O	0.84
0.00	285' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Val Energy Inc  
125 N Market St STE 1110  
Wichita, KS 67202  
ATTN: Tim Priest

**9-7s-36w Thomas,KS**  
**Wayne's Trust #1-9**  
Job Ticket: 66567 **DST#: 4**  
Test Start: 2020.12.15 @ 15:36:00

## Tool Information

Drill Pipe:	Length: 4478.00 ft	Diameter: 3.80 inches	Volume: 62.81 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4680.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	110.00 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			4653.00	
Hydraulic tool	5.00	1113		4658.00	
Jars	5.00	01-07		4663.00	
EM Tool	4.00			4667.00	
Safety Joint	3.00	-001		4670.00	
Packer	5.00			4675.00	32.00 Bottom Of Top Packer
Packer	5.00			4680.00	
Packer - Shale	0.00			4680.00	
Stubb	1.00			4681.00	
Recorder	0.00	8959	Inside	4681.00	
Recorder	0.00	8734	Outside	4681.00	
Perforations	9.00			4690.00	
Change Over Sub	1.00			4691.00	
Drill Pipe	63.00			4754.00	
Change Over Sub	1.00			4755.00	
Bullnose	3.00			4758.00	78.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>110.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Val Energy Inc

**9-7s-36w Thomas,KS**

125 N Market St STE 1110  
Wichita, KS 67202

**Wayne's Trust #1-9**

Job Ticket: 66567

**DST#: 4**

ATTN: Tim Priest

Test Start: 2020.12.15 @ 15:36:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
465.00	GMCO 15%G, 24%M, 61%O	4.919
60.00	CGO 20%G, 80%O	0.842
0.00	285' GIP	0.000

Total Length: 525.00 ft      Total Volume: 5.761 bbl

Num Fluid Samples: 0

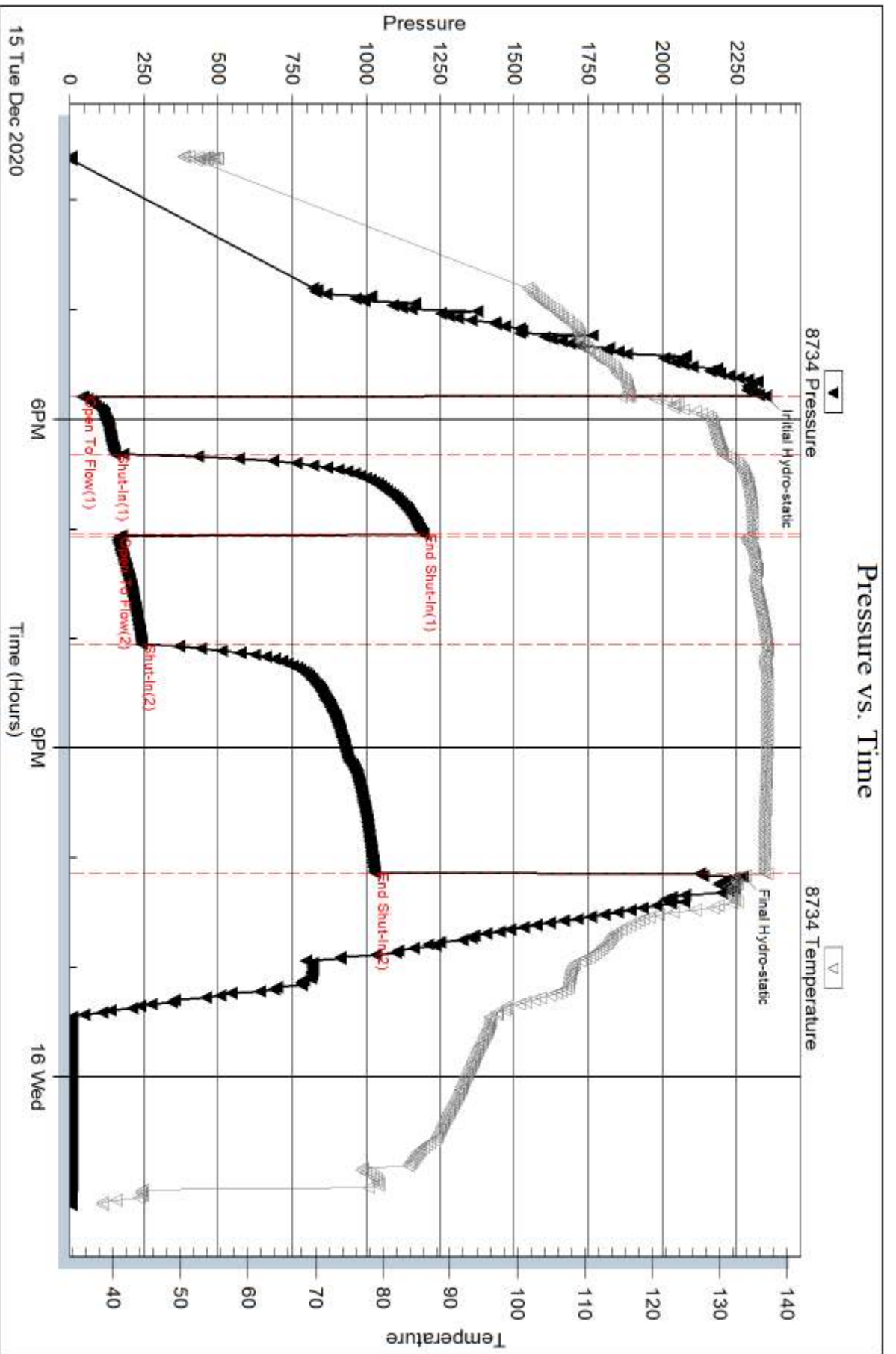
Num Gas Bombs: 0

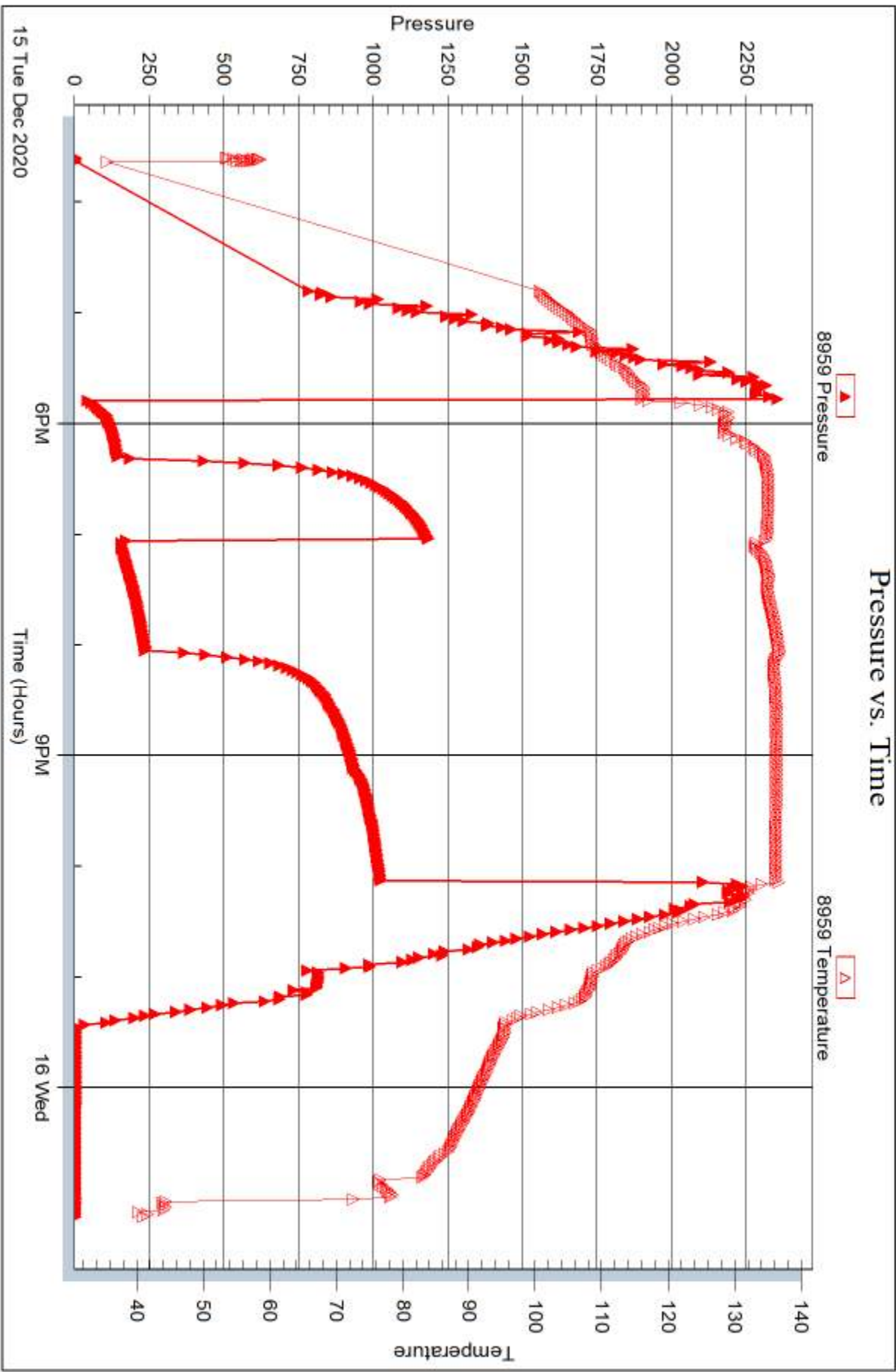
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 25.4 @ 60 degs







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 66564

NO.

Well Name & No. Wayne's Trust #1-9 Test No. 1 Date 12-13-20  
 Company Val Energy INC. Elevation 3378 KB 3373 GL  
 Address 125 N. Market ST STE 1110 Wichita, KS 67202  
 Co. Rep / Geo. Tim Priest Rig Murfin #110  
 Location: Sec. 9 Twp 7 Rge. 36 Co. Thomas State KS

Interval Tested 4352-4490 Zone Tested KC "H-L"  
 Anchor Length 138' Drill Pipe Run 4159 Mud Wt. 9.2  
 Top Packer Depth 4347 Drill Collars Run 176 Vis 57  
 Bottom Packer Depth 4352 (Shale) Wt. Pipe Run — WL 7.2  
 Total Depth 4490 Chlorides 3000 ppm System LCM 2#  
 Blow Description FF - S. blow built to 4 1/4"  
ISI - No blowback  
FF - S. blow @ 2 mins built to 6"  
FSI - No blowback

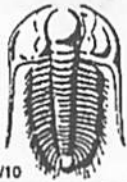
Rec	Feet of	%gas	%oil	%water	%mud
<u>230</u>	<u>MCW</u>		<u>83</u>	<u>17</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 230 BHT 127 Gravity — API RW 285 @ 33.0 °F Chlorides 6000 ppm

(A) Initial Hydrostatic 2157  Test 1300 T-On Location 00:20  
 (B) First Initial Flow 27  Jars \_\_\_\_\_ T-Started 01:40  
 (C) First Final Flow 76  Safety Joint \_\_\_\_\_ T-Open 03:55  
 (D) Initial Shut-In 1328  Circ Sub \_\_\_\_\_ T-Pulled 07:10  
 (E) Second Initial Flow 82  Hourly Standby \_\_\_\_\_ T-Out 09:15  
 (F) Second Final Flow 137  Mileage 225 RT. 225 Comments \_\_\_\_\_  
 (G) Final Shut-In 1313  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2116  Straddle \_\_\_\_\_  EM Tool 350  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1775  
 Sub Total 1775 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 66565

NO.

Well Name & No. Wayne's Trust #1-9 Test No. 2 Date 12-13-20  
 Company Val Energy INC Elevation 3378 KB 3373 GL  
 Address 125 N. Market ST STE 1110 Wichita, KS 67202  
 Co. Rep / Geo. Tim Priest Rig Murfin #110  
 Location: Sec. 9 Twp 7 Rge. 36 Co. Thomas State KS

Interval Tested 4500 - 4565 Zone Tested Pleasanton/Marmaton  
 Anchor Length 65 Drill Pipe Run 4319 Mud Wt. 9.3  
 Top Packer Depth 4495 Drill Collars Run 176 Vis 0.58  
 Bottom Packer Depth 4500 (Shale) Wt. Pipe Run — WL 9.6  
 Total Depth 4565 Chlorides 4000 ppm System LCM 1#  
 Blow Description IF - S. blow built to 2"  
ISI - No blowback  
FF - S. blow built to 1 3/4"  
FSE - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>HMC0</u>	<u>60</u>		<u>40</u>	
<u>5</u>	<u>CO</u>	<u>100</u>			

Rec Total 65 BHT 130 Gravity 26.8 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2265  Test 1300 T-On Location 20:45  
 (B) First Initial Flow 29  Jars — T-Started 21:13  
 (C) First Final Flow 39  Safety Joint — T-Open 23:37  
 (D) Initial Shut-In 1234  Circ Sub — T-Pulled 02:52  
 (E) Second Initial Flow 43  Hourly Standby — T-Out 05:04  
 (F) Second Final Flow 57  Mileage 225 RT 225 Comments —  
 (G) Final Shut-In 1083  Sampler —  
 (H) Final Hydrostatic 2258  Straddle —  EM Tool 350 NS  
 Ruined Shale Packer —  
 Ruined Packer —  
 Extra Copies —  
 Initial Open 30  Extra Packer —  
 Initial Shut-In 45  Extra Recorder —  
 Final Flow 60  Day Standby — Sub Total 0  
 Final Shut-In 60  Accessibility — Total 1775  
 Sub Total 1775 MP/DST Disc't —

Approved By \_\_\_\_\_ Our Representative Mart...  
 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 66566

NO.

Well Name & No. Wayne's Trust #1-9 Test No. 3 Date 12-14-20  
 Company Val Energy INC Elevation 3378 KB 3373 GL  
 Address 125 N. Market ST STE 1110 Wichita, KS 67202  
 Co. Rep / Geo. Tim Priest Rig Murfin #110  
 Location: Sec. 9 Twp 7 Rge. 36 Co. Thomas State KS

Interval Tested 4563-4644 Zone Tested Marmaton/Pawnee/Myric Station  
 Anchor Length 81 Drill Pipe Run 4383 Mud Wt. 9.3  
 Top Packer Depth 4558 Drill Collars Run 176 Vis 64  
 Bottom Packer Depth 4563 (Shale) Wt. Pipe Run --- WL 9.6  
 Total Depth 4644 Chlorides 5000 ppm System LCM 1#  
 Blow Description IF - S. blow built to 3"  
ISZ - No blowback  
FF - S. blow built to 4 1/4"  
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>OCM</u>	<u>14</u>		<u>86</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 180 BHT 128 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 2299  Test 1300 T-On Location 17:20  
 (B) First Initial Flow 31  Jars --- T-Started 17:45  
 (C) First Final Flow 60  Safety Joint --- T-Open 20:08  
 (D) Initial Shut-In 1140  Circ Sub --- T-Pulled 23:23  
 (E) Second Initial Flow 62  Hourly Standby --- T-Out 01:53  
 (F) Second Final Flow 113  Mileage 225 RT 225 Comments Pulled 25K over shut  
 (G) Final Shut-In 1136  Sampler --- tdrug 30' Ruined Shale  
 (H) Final Hydrostatic 2256  Straddle --- Packer  
 Shale Packer 250  EM Tool 350 NS  
 Extra Packer ---  Ruined Shale Packer 350  
 Extra Recorder ---  Ruined Packer ---  
 Day Standby ---  Extra Copies ---  
 Accessibility --- Sub Total 350  
 Sub Total 1775 Total 2125  
 MP/DST Disc't ---

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 66567

NO.

Well Name & No. Wayne's Trust #1-9 Test No. 4 Date 12-15-20  
 Company Val Energy INC Elevation 3378 KB 3373 GL  
 Address 125 N. Market ST STE 1110 Wichita, KS 67202  
 Co. Rep / Geo. Tim Priest Rig Murfin #110  
 Location: Sec. 9 Twp 7 Rge. 36 Co. Thomas State KS

Interval Tested 4680 - 4758 Zone Tested Ft. Scott / Cherokee / Johnson  
 Anchor Length 78' Drill Pipe Run 4478 Mud Wt. 9.3  
 Top Packer Depth 4675 Drill Collars Run 176 Vis SS  
 Bottom Packer Depth 4680 Wt. Pipe Run — WL 10.0  
 Total Depth 4758 Chlorides 5500 ppm System LCM L#

Blow Description IF: S. blow built to B.O.B (11 inches) @ 13 mins (blow increased to 2 1/2")  
ISI: S. blowback @ 2 mins. built to 2 1/4"  
FF: S. blow built to B.O.B (11 inches) @ 23 mins (blow increased to 23")  
FSF: S. blowback built to 5 1/2" + reduced to 5 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>465</u>	<u>GMCO</u>	<u>15</u>	<u>61</u>	<u>24</u>	
<u>60</u>	<u>CGO</u>	<u>20</u>	<u>80</u>		
<u>0</u>	<u>285' GIP</u>				

Rec Total 525 BHT 133 Gravity 25.4 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2350  Test 1300 T-On Location 15:20  
 (B) First Initial Flow 43  Jars — T-Started 15:36  
 (C) First Final Flow 153  Safety Joint — T-Open 17:48  
 (D) Initial Shut-In 1191  Circ Sub — T-Pulled 22:03  
 (E) Second Initial Flow 122  Hourly Standby — T-Out 01:12  
 (F) Second Final Flow 243  Mileage 225 RT 225 Comments Tools loaded @  
 (G) Final Shut-In 1029  Sampler — 02:00  
 (H) Final Hydrostatic 2271  Straddle —  EM Tool 350  
 Ruined Shale Packer —  
 Ruined Packer —  
 Extra Copies —  
 Initial Open 30  Shale Packer 250  
 Initial Shut-In 45  Extra Packer —  
 Final Flow 60  Extra Recorder —  
 Final Shut-In 120  Day Standby —  
 Accessibility —  
 Sub Total 1775 Total 1775 MP/DST Disc't —

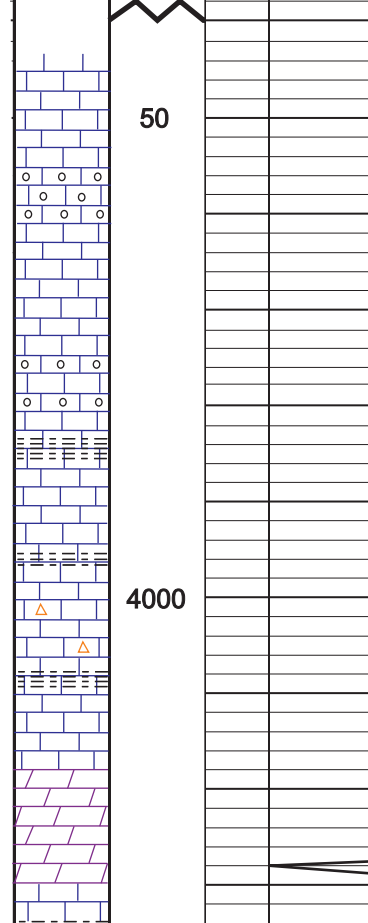
Approved By \_\_\_\_\_ Our Representative [Signature]  
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**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY **WAL ENERGY, INC.** ELEVATIONS  
 LEASE **Wayne's Trust #1-9** KG 3378'  
 FIELD **Wildcat** DF \_\_\_\_\_  
 LOCATION **2200' FNL, 1955' FWL** GL 3373'  
 SEC **9 T1MSP 7S R0E 36W**  
 COUNTY **Thomas STATE Kansas** Measurements Are All From **KB**  
 CONTRACTOR **WV Drilling, Rig #10**  
 SPUD **12-7-20** COMP **12-16-20**  
 RTD **4820'** LTD **4818'** CASING CONDUCTION **N/A**  
 MUD UP **3500'** TYPE MUD **Chemical** SURFACE **8-5/8" @ 344'**  
 SAMPLES SAVED FROM **4000'** to RTD PRODUCTION **None**  
 DRILLING TIME KEPT FROM **4000'** to RTD  
 SAMPLES EXAMINED FROM **4000'** to RTD  
 GEOLOGICAL SUPERVISION FROM **4000'** to RTD  
 GEOLOGIST ON WELL **Tim Priest** ELECTRICAL SURVEYS **CND/DSP/P.E.**  
 MICRO **Micro**

FORMATION TOPS

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anydrite	2998 (+380)	3004 (+386)
Heebner Shale	4190 (-812)	4195 (-817)
Austin	4239 (-861)	4244 (-866)
Stark	4434 (-1056)	4437 (-1059)
Marmaton	4534 (-1156)	4540 (-1162)
Fort Scott	4676 (-1298)	4678 (-1300)
Cherokee Shale	4710 (-1332)	4713 (-1335)
Mississippi	NP	NP

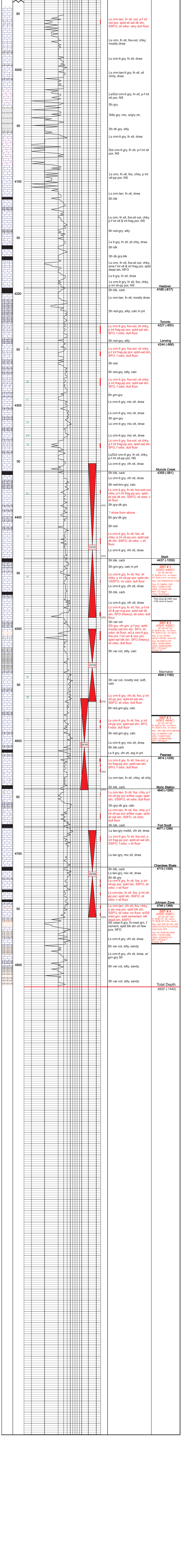


REMARKS Due to the results of DSTs, it was decided to plug and abandon the well.

Respectfully Submitted,

API #15-193-21080-00-00

Tim Priest  
 Petroleum Geologist



DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
3000			Anhydrite 3004 (+374)
3037			Base/ Anhydrite 3037 (+341)
3037-4000		Ls crm-tan, fn xtl, ool, p-f int ool por, sptd-sli sat dk stn, SSFO, sil odor, very dull fluor Ls crm, fn xtl, fos-ool, chky, mostly dnse Ls crm-lt gry, fn xtl, dnse Ls crm-tan-lt gry, fn xtl, sli chtry, dnse Ls/Dol crm-lt gry, fn xtl, p-f int xtl por, NS Sh gry Silts gry, mic, w/gry sh. Sh dk gry, silty Ls crm-lt gry, fn xtl, dnse Dol crm-lt gry, fn xtl, p-f int xtl por, NS Ls crm, fn xtl, fos, chky, p int xtl-pp por, NS Ls crm-tan, fn xtl, dnse Sh blk Ls crm, fn xtl, fos-sli ool, chky, p-f int xtl & int frag por, NS Sh red-gry, silty Ls lt gry, fn xtl, sli chty, dnse Sh blk Sh dk gry-blk Ls crm, fn xtl, fos-sli ool, chky, sme f int xtl & int frag por, sptd dead stn, NFO Ls lt gry, fn xtl, dnse Ls crm-lt gry, fn xtl, fos, chky, p int xtl-pp por, NS Sh blk, carb Ls crm-tan, fn xtl, mostly dnse Sh red-gry, silty, calc in prt Ls crm-lt gry, fos-ool, sli chky, p int frag-pp por, sptd-sat stn, SFO, f odor, dull fluor Sh red-gry, silty Ls crm-lt gry, fos-ool, sli chky, p int frag-pp por, sptd-sat stn, SFO, f odor, dull fluor Sh grn-gry Ls crm-lt gry, mic xtl, dnse Ls crm-lt gry, mic xtl, dnse Ls crm-lt gry, mic xtl, dnse Ls crm-lt gry, fos-ool, sli chky, p int frag-pp por, sptd-sat stn, SFO, f odor, dull fluor Ls/Dol crm-lt gry, fn xtl, chky, p int xtl-pp por, NS Ls crm-lt gry, vfn xtl, dnse Sh blk, carb Ls crm-lt gry, vfn xtl, dnse Sh red-brn-gry, calc Ls crm-lt gry, fn xtl, fos-sub ool, chky, p-f int frag-pp por, sptd-sli sat dk stn, SSFO, sil odor, v sli fluor Sh gry-dk gry ? show from above Sh gry-dk gry Sh red Ls crm-lt gry, fn xtl, fos, sli chky, p int xtl-pp por, sptd-sat dk stn, SSFO, sil odor, v sli fluor Ls crm-lt gry, vfn xtl, dnse Sh blk, carb Sh grn-gry, calc in prt Ls crm-lt gry, fn xtl, fos, sli chky, p int xtl-pp por, sptd-sat stn, VSSFO, no odor, dull fluor Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, fn xtl, fos, p-f int xtl & pp-vug por, sptd-sat dk stn, SFO (heavy), sil odor, dull fluor Sh var col SS gry, vfn gm, p-f por, sptd-mostly sat brn stn, SFO, sil odor, sli fluor, w/ls crm-lt gry, fos-ool, f int ool & ooc por, sptd-sat blk stn, SFO (heavy), sil odor, dull fluor Sh var col, silty, calc Sh var col, mostly red, soft, calc Ls crm-lt gry, vfn xtl, fos, p int xtl-pp por, sptd-sli sat stn, SSFO, sil odor, dull fluor Sh red-gry-gry, calc Ls crm-lt gry, fn xtl, fos, p int xtl-pp por, sptd-sat stn, SFO, f odor, dull fluor Sh red-gry-gry, calc Ls crm-lt gry, mic xtl, dnse Sh blk, carb Ls lt gry, vfn xtl, arg in prt Ls crm-lt gry, fn xtl, fos-ool, p int frag-pp por, sptd-sat stn, SFO, f odor, dull fluor Ls crm-tan, fn xtl, chky, sli chty Sh blk, carb Ls crm-tan, fn xtl, fos, chty, p-f int xtl-pp por w/ few vugs, sptd-sli sat stn, SSFO, sil odor, dull fluor Sh gry-dk gry, calc Ls crm-tan, fn xtl, fos, chty, p-f int xtl-pp por w/ few vugs, sptd-sli sat stn, SSFO, sil odor, dull fluor Sh blk, carb Ls tan-gry motld, vfn xtl, dnse Ls crm-lt gry, fn xtl, fos-ool, p int frag-pp por, sptd-sli sat stn, SSFO, f odor, v sli fluor Ls tan-gry, mic xtl, dnse Sh blk, carb Ls tan-gry, mic xtl, dnse Sh dk gry Ls crm-lt gry, fn xtl, fos, p int xtl-pp por, sptd stn, SSFO, sil odor, v sli fluor Ls crm-tan, fn xtl, fos, p int xtl-pp por, sptd stn, SSFO, sil odor, v sli fluor Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, vfn xtl, dnse, w/ gm-gry Sh Sh var col, silty, sandy Sh var col, silty, sandy Sh var col, silty, sandy Total Depth 4820' (-1442)	Heebner 4195 (-817) Toronto 4227 (-850) Lansing 4244 (-866) Muncie Creek 4359 (-961) Stark 4437 (-1059) DST # 1 (4352'-4490') DST # 2 (4500'-4565') Marmaton 4540 (-1162) DST # 3 (4563'-4644') Pawnee 4614 (-1236) 4643 (-1265) Fort Scott 4677 (-1299) Cherokee Shale 4713 (-1335) Johnson Zone 4746 (-1368) DST # 4 (4500'-4565')