

Confidentiality Requested:

Yes  No

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

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

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

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

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

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--





**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: 9/18/2021  
Invoice #: 0355736  
Lease Name: Rall Trust  
Well #: 1-22  
County: Sherman, Ks  
Job Number: WP1885  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
PTA	0.000	0.000	0.00
H-Plug	240.000	11.700	2,808.00
Heavy Eq Mileage	45.000	3.600	162.00
Light Eq Mileage	45.000	1.800	81.00
Ton Mileage	480.600	1.350	648.81
Depth Charge 1001'-2000'	1.000	1,350.000	1,350.00
Wooden plug 8 5/8"	1.000	153.000	153.00

Net Invoice	5,202.81
Sales Tax:	323.11
<b>Total</b>	<b>5,525.92</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!**





**CEMENT TREATMENT REPORT**

Customer:	VAL ENERGY	Well:	RALL TRUST 1-22	Ticket:	WP 1885
City, State:		County:	SHERMAN KS	Date:	9/18/2021
Field Rep:		S-T-R:	22-8S-37W	Service:	PTA

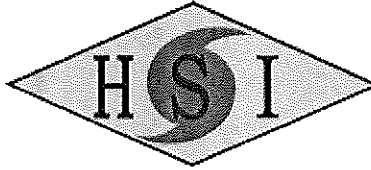
Downhole Information	
Hole Size:	7.875 in
Hole Depth:	4900 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	4 1/2 in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	31.5 bbls

Calculated Slurry - Lead	
Blend:	HPLUG
Weight:	13.8 ppg
Water / Sk:	7.2 gal / sx
Yield:	1.43 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	240 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sk:	gal / sx
Yield:	ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00AM			-	-	CALLED OUT
10:30AM				-	ON LOC W/TRUCKS SAFETY MTG
				-	
				-	1 ST PLUG @ 2995 50 SKS
11:47AM	6.0	450.0	22.0	22.0	H2O SPACER
11:58AM	6.0	450.0	12.7	34.7	MIX CMT @ 13.8 PPG
12:00PM	6.0	450.0	8.0	42.7	H2O SPACER
12:02PM	6.0	400.0	31.5	74.2	BALANCE AND DISP W/MUD
				74.2	
				74.2	2 ND PLUG @ 2110 100 SKS
12:20PM	5.0	300.0	22.0	96.2	H2O SPACER
12:26PM	5.0	300.0	25.4		MIX CMT @ 13.8 PPG
12:42PM	5.0	300.0	8.0		H2O SPACER
12:48PM	5.0	300.0	19.0		BALANCE AND DISP W/MUD
					3RD PLUG @ 400 FT 50 SKS
1:50PM	4.0	200.0	22.0		H2O SPACER
1:56PM	4.0	200.0	12.7		MIX CMT @ 13.8 PPG
2:00PM	4.0	200.0	2.3		BALANCE AND DISP CMT
2:50PM	2.0		2.5		10 SKS @ 40 FT
3:00PM	2.0		7.6		30 SKS RAT HOLE
					PUMPED TOTAL 240 SKS H PLUG
					JOB COMPLETE THANK YOU SCOTTY AND CREW

	CREW	UNIT	SUMMARY		
			Average Rate	Average Pressure	Total Fluid
Cementer:	SCOTTY	VAP			
Pump Operator:	MIKE R	230	4.6 bpm	323 psi	196 bbls
Bulk #1:	H TRIVINO	165-254			
Bulk #2:					



## 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: 9/10/2021  
Invoice #: 0355422  
Lease Name: Rall Trust  
Well #: 1-22 (New)  
County: Sherman, Ks  
Job Number: WP1850  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	900.000	900.00
Heavy Eq Mileage	45.000	3.600	162.00
Light Eq Mileage	45.000	1.800	81.00
Ton Mileage	488.470	1.350	659.43
H-325	220.000	18.000	3,960.00

**Total** 5,762.43

**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!**



Customer	Val Energy Inc	Lease & Well #	Rall Trust # 1 - 22	Date	9/10/2021
Service District	Oakley KS	County & State	Sherman KS	Legals S/T/R	22-8S-37W
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
73	Josh	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Lockout/Tagout	<input checked="" type="checkbox"/> Warning Signs & Flagging
230	Jesse	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input checked="" type="checkbox"/> Required Permits	<input checked="" type="checkbox"/> Fall Protection
205	Kafe	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" 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 checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
D010	Depth Charge: 0'-500'	job	1.00				\$900.00
M010	Heavy Equipment Mileage	mi	45.00				\$182.00
M015	Light Equipment Mileage	mi	45.00				\$81.00
M020	Ton Mileage	tm	488.47				\$659.43
GP015	H-325	sack	220.00				\$3,960.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Gross:	Net:	\$5,762.43
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. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax: \$ -
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		Total:		\$ 5,762.43
		HSI Representative: <i>Josh Master</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 \_\_\_\_\_ CUSTOMER AUTHORIZATION SIGNATURE





**CEMENT TREATMENT REPORT**

Customer:	Val Energy Inc	Well:	Rail Trust # 1 - 22	Ticket:	WP 1850
City, State:	Oakley KS	County:	Sherman KS	Date:	9/10/2021
Field Rep:	Josh Mosier	S-T-R:	22-8S-37W	Service:	Surface

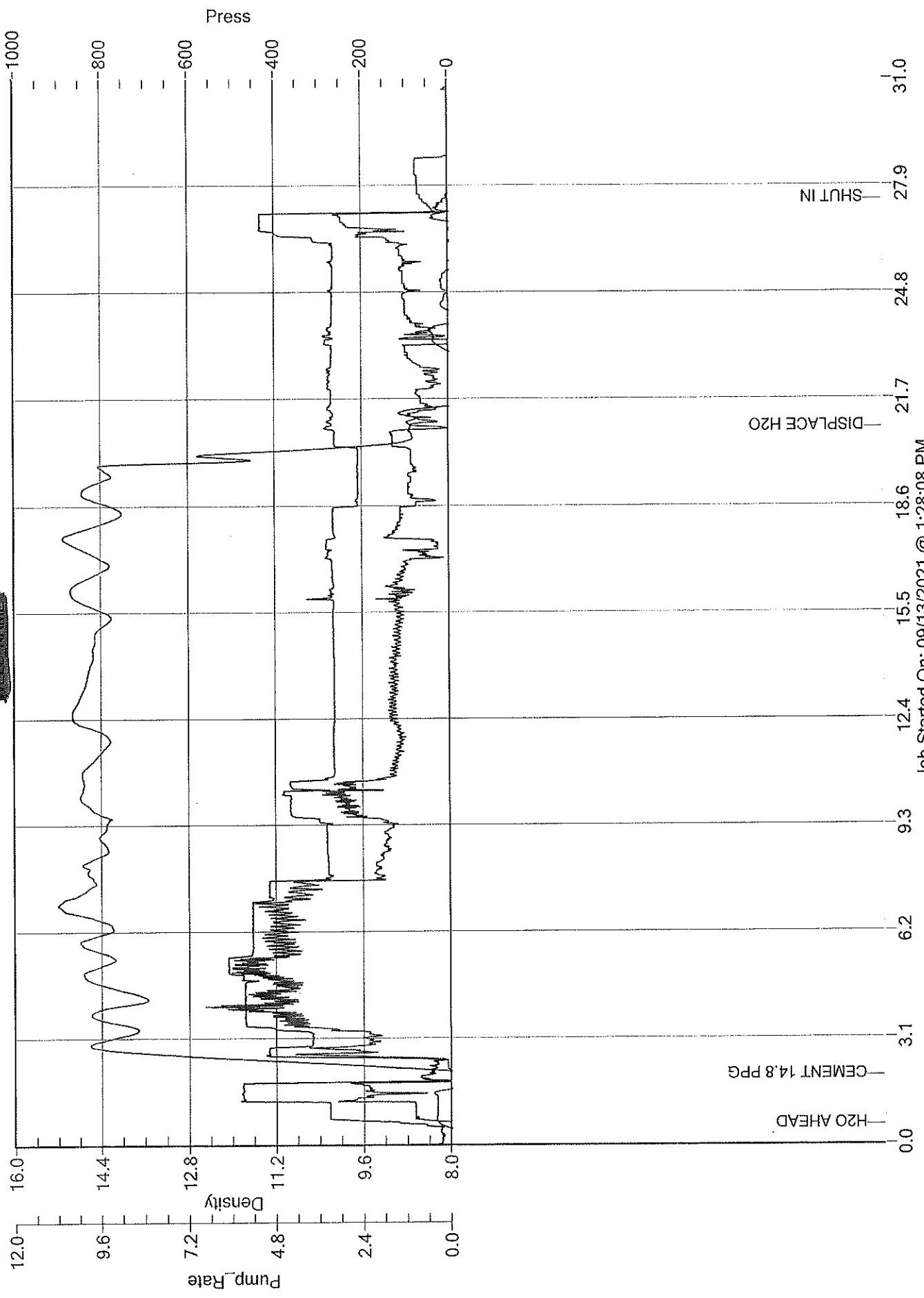
Downhole Information	Calculated Slurry - Lead	Calculated Slurry - Tail
Hole Size: 12.25 in	Blend: H-325	Blend:
Hole Depth: 344 ft	Weight: 14.8 ppg	Weight: ppg
Casing Size: 8 5/8 in	Water / Sk: 6.9 gal / sx	Water / Sk: gal / sx
Casing Depth: 344 ft	Yield: 1.41 ft <sup>3</sup> / sx	Yield: ft <sup>3</sup> / sx
Tubing / Liner: in	Annular Bbls / Ft.: 0.0735 bbs / ft.	Annular Bbls / Ft.: bbs / ft.
Depth: ft	Depth: 344 ft	Depth: ft
Tool / Packert:	Annular Volume: 25.3 bbls	Annular Volume: 0 bbls
Tool Depth: ft	Excess:	Excess:
Displacement: 21.9 bbls	Total Slurry: 25.3 bbls	Total Slurry: 0.0 bbls
	Total Sacks: 101 sx	Total Sacks: 0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
200P			-	-	GOT TO LOCATION
205P			-	-	SAFETY MEETING
210P			-	-	RIGGED UP TRUCKS
430P			-	-	LANDED CASING
435P			-	-	CIRCULATED HOLE WITH RIG PUMP
437P			-	-	HOOKED UP TO PUMP TRUCKS
441P	3.0	250.0	5.0	5.0	PUMPED H2O AHEAD
443P	3.2	400.0	55.2	60.2	PUMPED 220 SKS OF H-325 @ 344 FT
500P	5.0	350.0	20.0	80.2	DISPLACED WITH H2O
504P				80.2	PLUG DOWN WITH 5 BBL TO PIT
507P				80.2	WASHED UP PUMP TRUCK
520P					RIGGED DOWN TRUCKS
540P					OFF LOCATION

CREW			UNIT	SUMMARY		
Cementor:	Josh		73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jesse		230	3.7 bpm	333 psi	80 bbls
Bulk #1:	Kale		205			
Bulk #2:						

ftv: 15-2021/01/25  
mplv: 196-2021/08/03

Val  
[REDACTED]  
[REDACTED]  
[REDACTED]



Job Started On: 09/13/2021 @ 1:28:08 PM





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

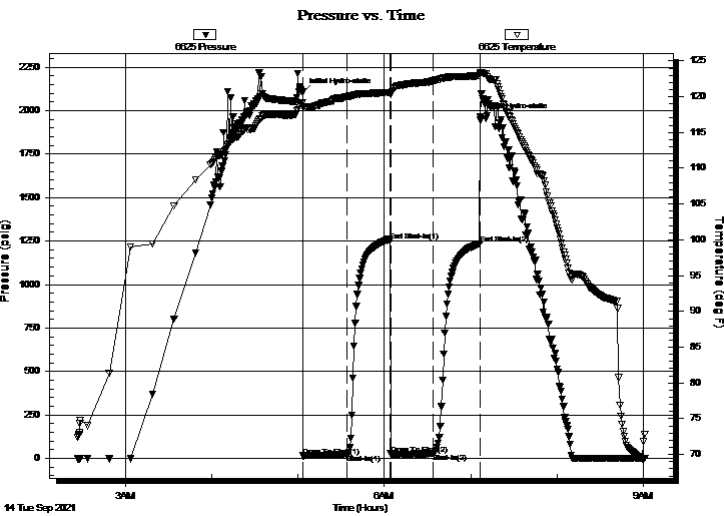
**22\_8\_37 Sherman, KS**  
**Rail Trust #1-22**  
 Job Ticket: 68286 **DST#: 1**  
 Test Start: 2021.09.14 @ 02:27:00

## GENERAL INFORMATION:

Formation: **LKC "E&F"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 05:03:45 Tester: Dustin Day  
 Time Test Ended: 09:01:15 Unit No: 70  
 Interval: **4330.00 ft (KB) To 4352.00 ft (KB) (TVD)** Reference Elevations: 3465.00 ft (KB)  
 Total Depth: 4352.00 ft (KB) (TVD) 3460.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 5.00 ft

**Serial #: 6625 Inside**  
 Press@RunDepth: 28.61 psig @ 4331.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.09.14 End Date: 2021.09.14 Last Calib.: 2021.09.14  
 Start Time: 02:27:05 End Time: 09:01:14 Time On Btm: 2021.09.14 @ 05:03:15  
 Time Off Btm: 2021.09.14 @ 07:06:30

TEST COMMENT: IF- Weak surface blow  
 SI1- No return  
 FF- Buit to 1/4"  
 SI2- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2105.92	119.13	Initial Hydro-static
1	14.59	118.66	Open To Flow (1)
31	22.12	120.02	Shut-In(1)
61	1253.30	120.62	End Shut-In(1)
61	25.77	120.37	Open To Flow (2)
91	28.61	122.27	Shut-In(2)
123	1234.82	122.93	End Shut-In(2)
124	1962.08	123.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5 oil 95 mud	0.10
2.00	oil	0.01

## Gas Rates

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



# DRILL STEM TEST REPORT

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

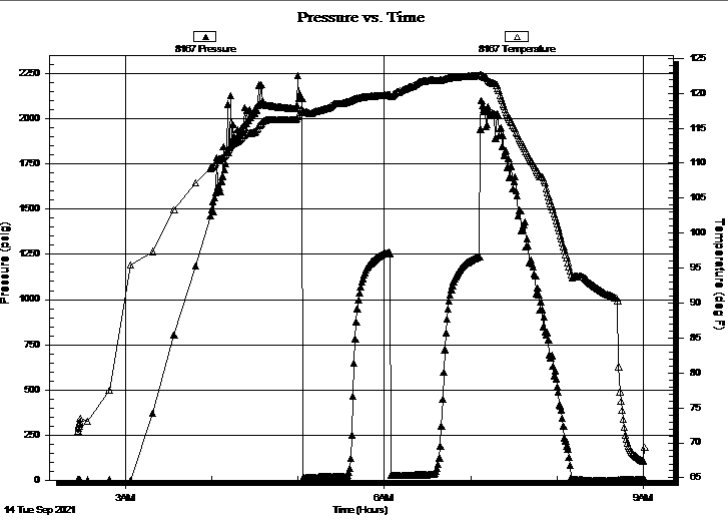
**22\_8\_37 Sherman, KS**  
**Rail Trust #1-22**  
Job Ticket: 68286 **DST#: 1**  
Test Start: 2021.09.14 @ 02:27:00

## GENERAL INFORMATION:

Formation: **LKC "E&F"**  
Deviated: No Whipstock:                                      ft (KB)  
Time Tool Opened: 05:03:45  
Time Test Ended: 09:01:15  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Dustin Day  
Unit No: 70  
Interval: **4330.00 ft (KB) To 4352.00 ft (KB) (TVD)**  
Reference Elevations: 3465.00 ft (KB)  
Total Depth: 4352.00 ft (KB) (TVD)  
3460.00 ft (CF)  
Hole Diameter: 7.88 inches  
Hole Condition: KB to GR/CF: 5.00 ft

**Serial #: 8167      Outside**  
Press@RunDepth:                    psig @ 4331.00 ft (KB)      Capacity:                                8000.00 psig  
Start Date:                            2021.09.14      End Date:                              2021.09.14      Last Calib.:                            2021.09.14  
Start Time:                            02:27:05      End Time:                              09:01:14      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF- Weak surface blow  
SI1- No return  
FF- Buit to 1/4"  
SI2- No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5 oil 95 mud	0.10
2.00	oil	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Val Energy **22\_8\_37 Sherman, KS**  
 125 N. Market STE 1110 **Rail Trust #1-22**  
 Wichita, KS 67202 Job Ticket: 68286 **DST#: 1**  
 ATTN: Tim Priest Test Start: 2021.09.14 @ 02:27:00

### Mud and Cushion Information

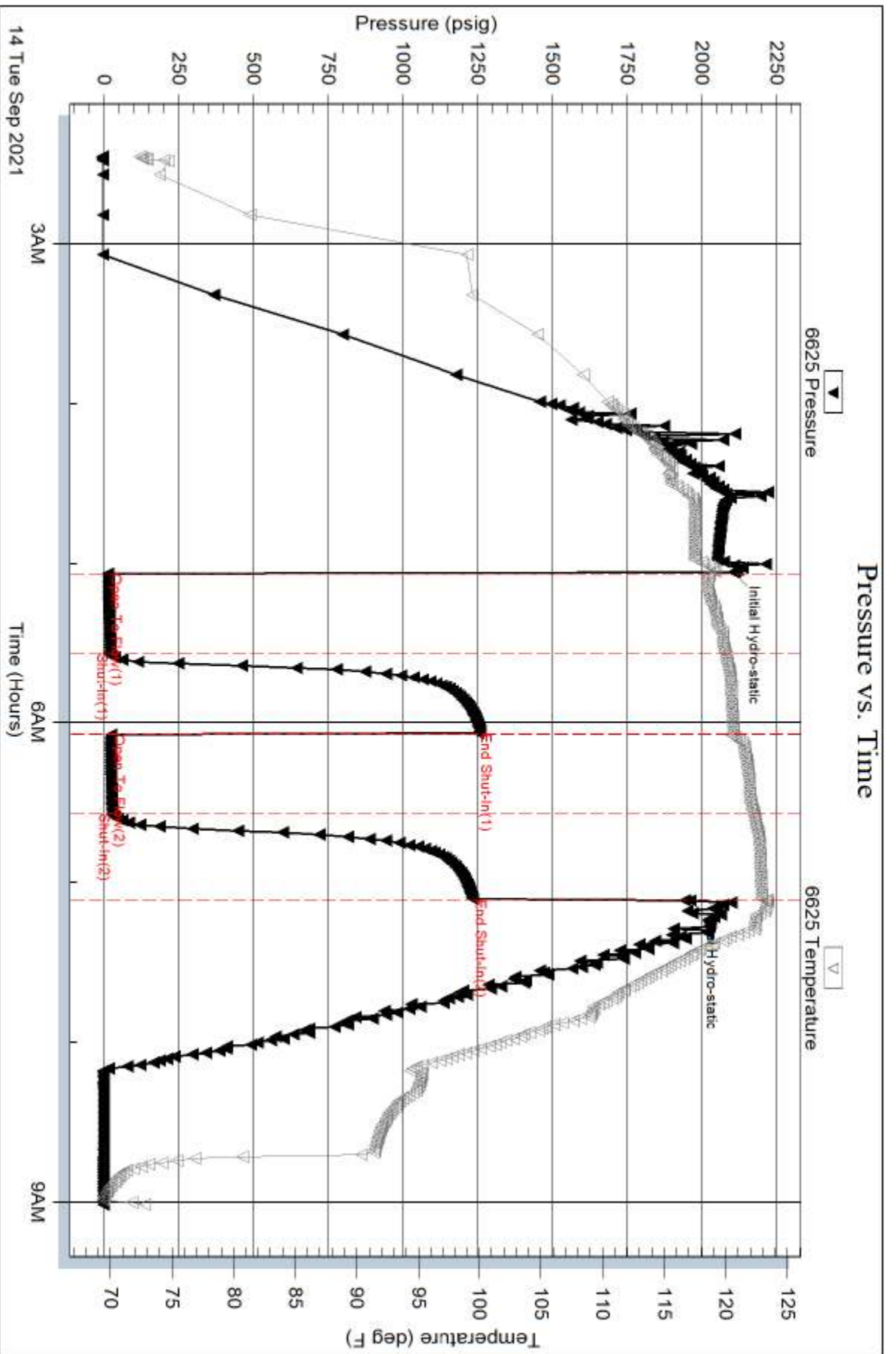
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

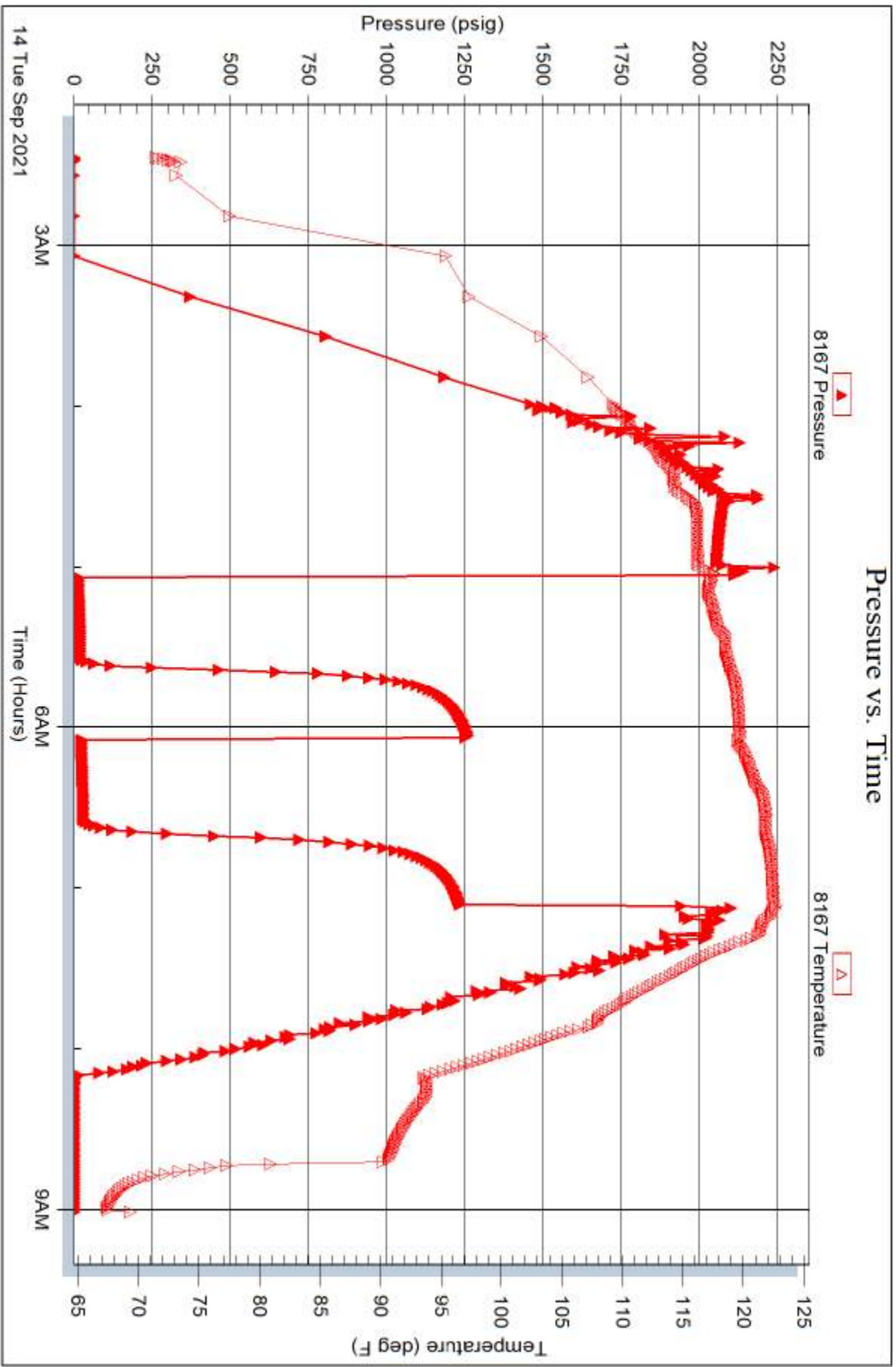
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 5 oil 95 mud	0.098
2.00	oil	0.010

Total Length: 22.00 ft      Total Volume: 0.108 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 2# LCM









**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**22\_8\_37 Sherman, KS**  
**Rail Trust #1-22**  
 Job Ticket: 68287 **DST#: 2**  
 Test Start: 2021.09.15 @ 02:01:00

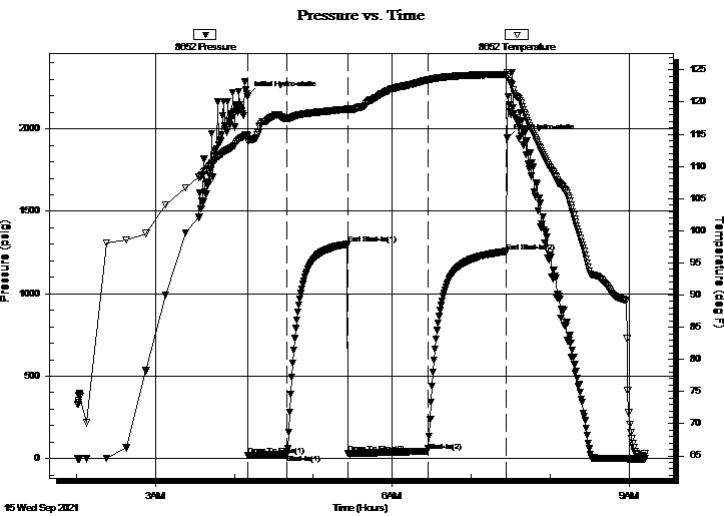
## GENERAL INFORMATION:

Formation: **LKC "H-J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:10:30  
 Time Test Ended: 09:11:30  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Dustin Day  
 Unit No: 70  
 Interval: **4388.00 ft (KB) To 4484.00 ft (KB) (TVD)**  
 Reference Elevations: 3465.00 ft (KB)  
 Total Depth: 4484.00 ft (KB) (TVD) 3460.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

## Serial #: 8652 Outside

Press@RunDepth: 45.37 psig @ 4389.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.09.15 End Date: 2021.09.15 Last Calib.: 2021.09.15  
 Start Time: 02:01:05 End Time: 09:11:29 Time On Btm: 2021.09.15 @ 04:10:15  
 Time Off Btm: 2021.09.15 @ 07:27:15

TEST COMMENT: IF- Built to 1 1/4"  
 SI1- No return  
 FF- Built to 3/4"  
 SI2- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.45	114.78	Initial Hydro-static
1	18.41	113.93	Open To Flow (1)
30	27.55	117.46	Shut-In(1)
76	1299.78	118.90	End Shut-In(1)
77	33.24	118.64	Open To Flow (2)
137	45.37	123.42	Shut-In(2)
197	1256.61	124.30	End Shut-In(2)
197	1942.77	124.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	MW 50 mud 50 water	0.17

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Val Energy **22\_8\_37 Sherman, KS**  
 125 N. Market STE 1110 **Rail Trust #1-22**  
 Wichita, KS 67202 Job Ticket: 68287 **DST#: 2**  
 ATTN: Tim Priest Test Start: 2021.09.15 @ 02:01:00

## Mud and Cushion Information

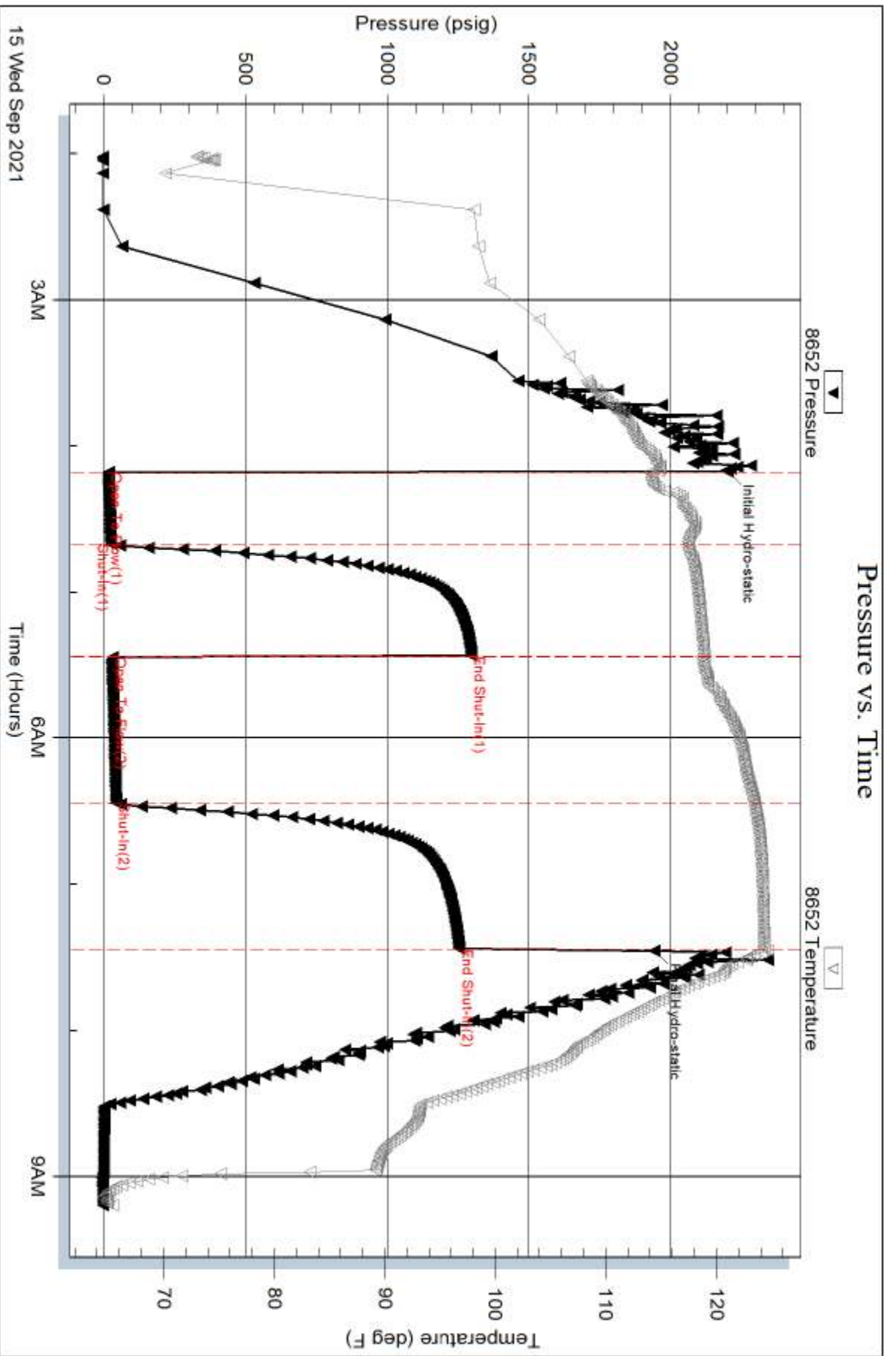
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	4800 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	MW 50 mud 50 w ater	0.172

Total Length: 35.00 ft Total Volume: 0.172 bbl  
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:  
 Laboratory Name: Laboratory Location:  
 Recovery Comments: 1# LCM



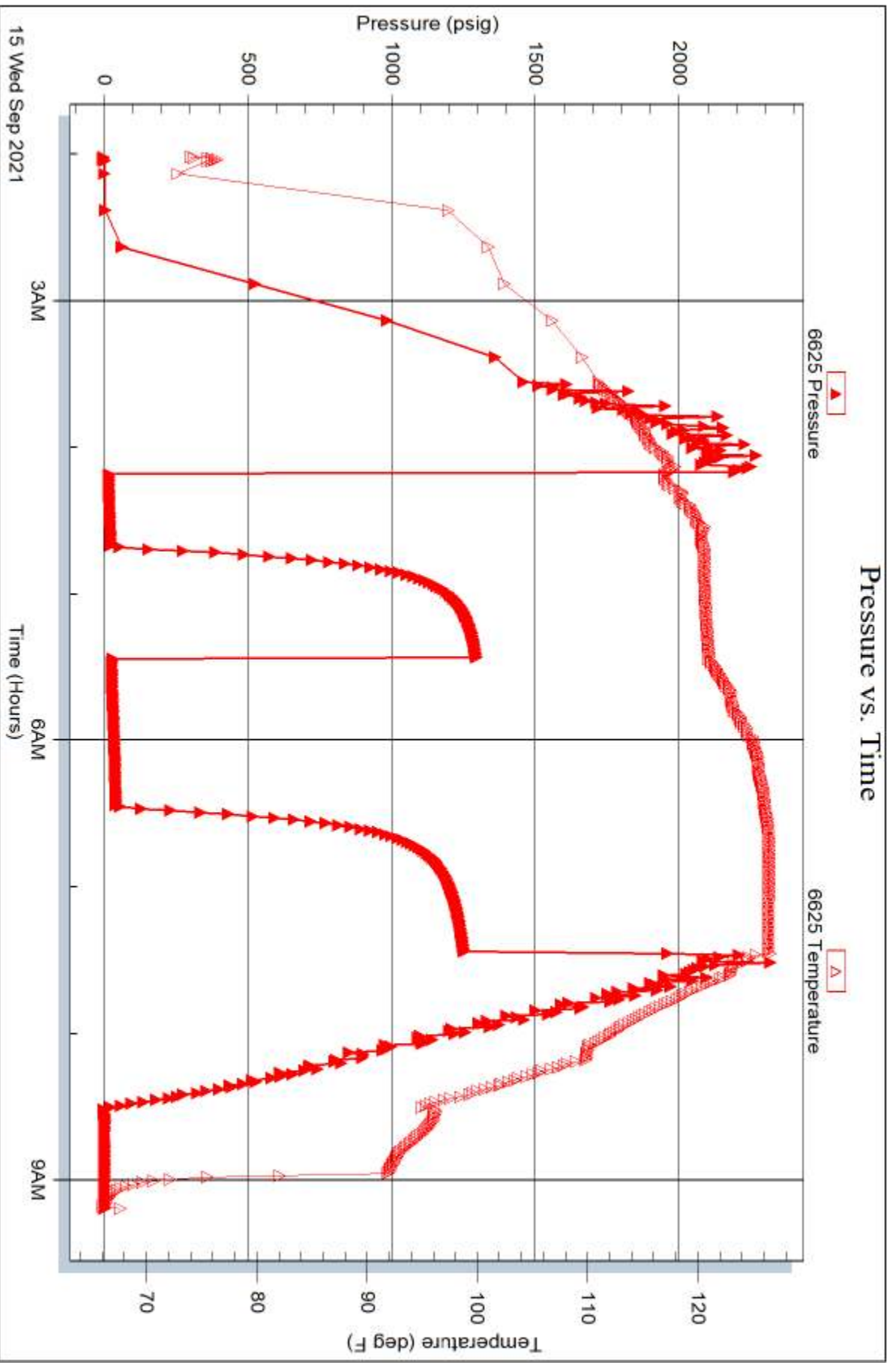
Serial #: 6625

Inside

Val Energy

Rail Trust #1-22

DST Test Number: 2





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

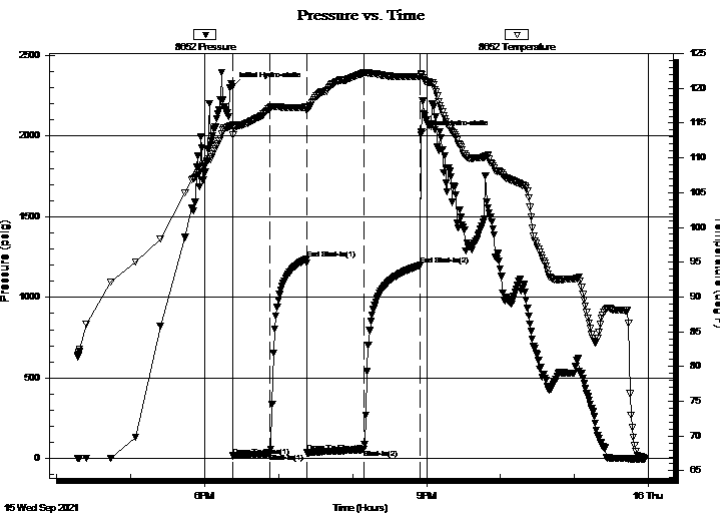
**22\_8\_37 Sherman, KS**  
**Rail Trust #1-22**  
Job Ticket: 68288 **DST#: 3**  
Test Start: 2021.09.15 @ 16:17:00

## GENERAL INFORMATION:

Formation: **LKC "K"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:23:00  
Time Test Ended: 23:56:45  
Interval: **2277.00 ft (KB) To 4515.00 ft (KB) (TVD)**  
Total Depth: 4352.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Dustin Day  
Unit No: 70  
Reference Elevations: 3465.00 ft (KB)  
3460.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8652 Outside**  
Press@RunDepth: 55.92 psig @ 4478.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.09.15 End Date: 2021.09.15 Last Calib.: 2021.09.16  
Start Time: 16:17:05 End Time: 23:56:44 Time On Btm: 2021.09.15 @ 18:22:45  
Time Off Btm: 2021.09.15 @ 20:55:30

TEST COMMENT: IF- Built to 1 3/4"  
SI1- No return  
FF- Built to 1"  
SI2- NO return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2305.65	114.80	Initial Hydro-static
1	17.29	113.31	Open To Flow (1)
31	31.01	117.23	Shut-In(1)
60	1236.88	117.29	End Shut-In(1)
61	36.70	116.84	Open To Flow (2)
107	55.92	122.21	Shut-In(2)
153	1198.20	121.70	End Shut-In(2)
153	2006.32	122.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	WCM 85 mud 15 w ater	0.34

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Val Energy **22\_8\_37 Sherman, KS**

125 N. Market STE 1110  
Wichita, KS 67202

**Rail Trust #1-22**

Job Ticket: 68288

**DST#: 3**

ATTN: Tim Priest

Test Start: 2021.09.15 @ 16:17:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

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

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 6000 ppm

deg API

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	WCM 85 mud 15 w ater	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM

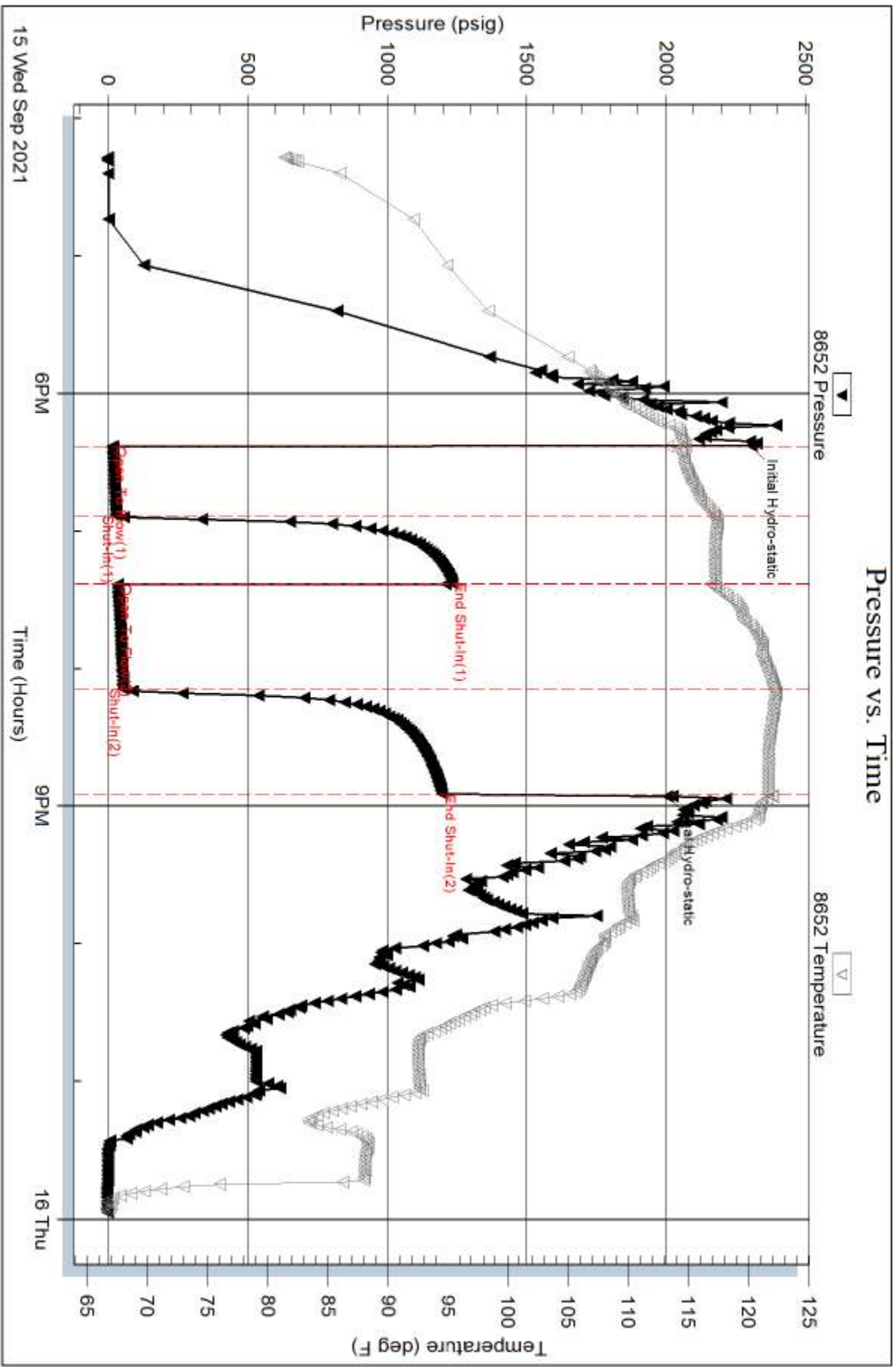


Serial #: 8652

Outside Val Energy

Rail Trust #1-22

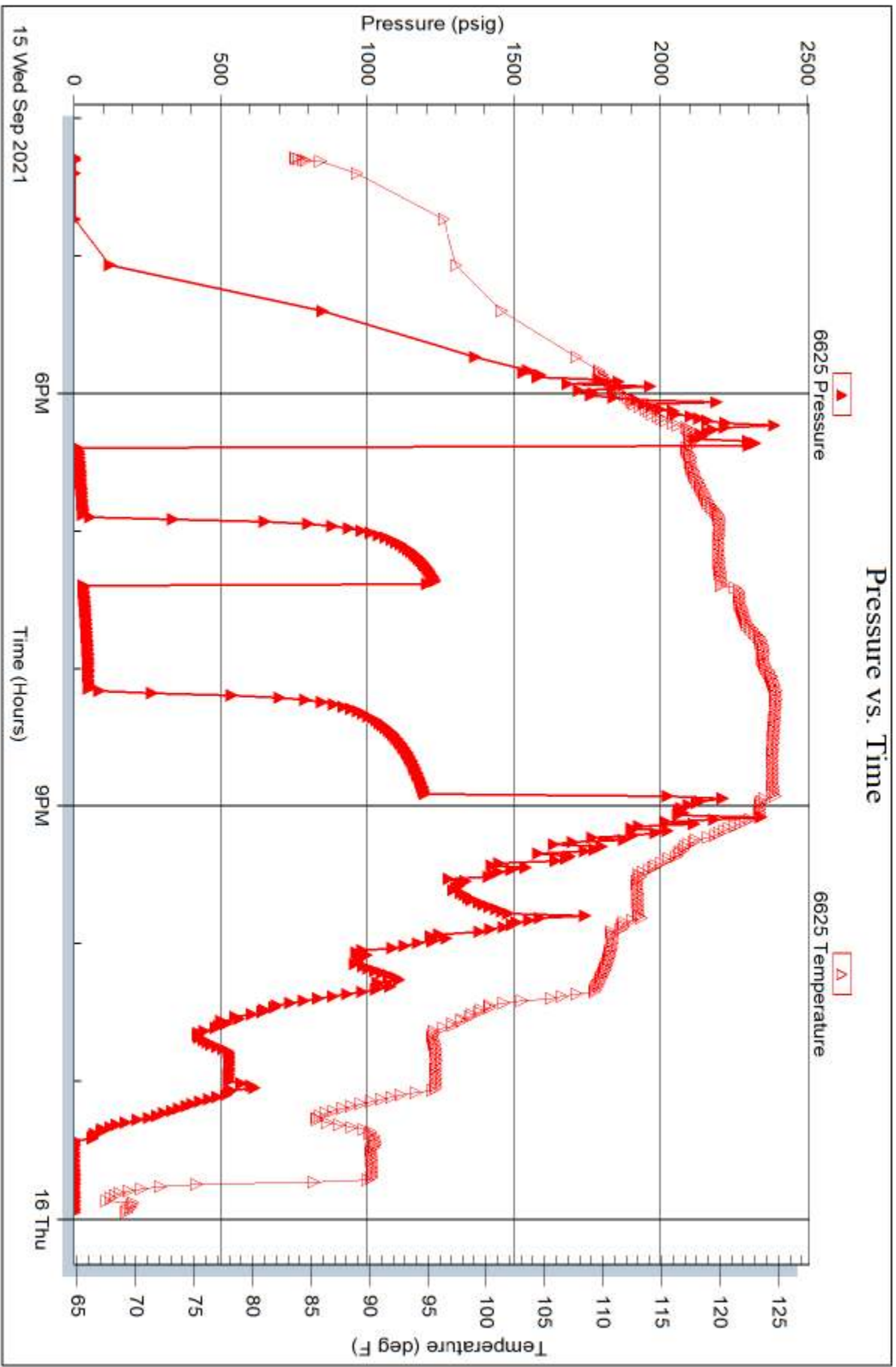
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68288

Printed: 2021.09.16 @ 07:23:08





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

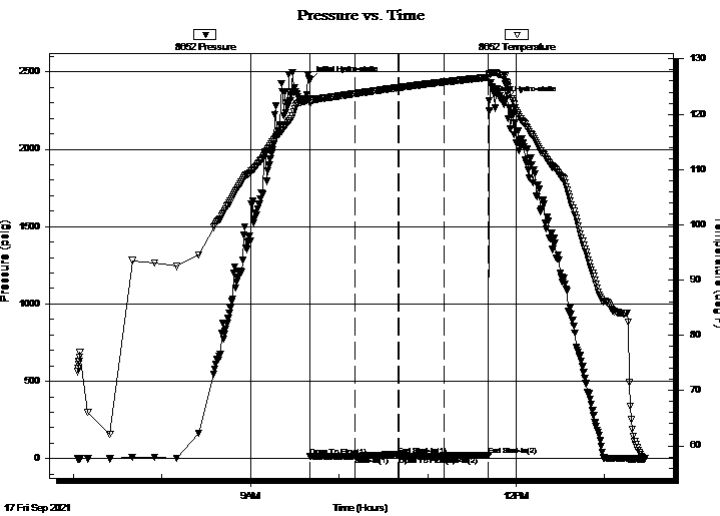
**22\_8\_37 Sherman, KS**  
**Rail Trust #1-22**  
Job Ticket: 68289 **DST#: 4**  
Test Start: 2021.09.17 @ 07:03:00

## GENERAL INFORMATION:

Formation: **Cherokee**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:40:30  
Time Test Ended: 13:27:15  
Interval: **4754.00 ft (KB) To 4810.00 ft (KB) (TVD)**  
Total Depth: 4352.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Dustin Day  
Unit No: 70  
Reference Elevations: 3465.00 ft (KB)  
3460.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8652 Outside**  
Press@RunDepth: 16.17 psig @ 4755.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.09.17 End Date: 2021.09.17 Last Calib.: 2021.09.17  
Start Time: 07:03:05 End Time: 13:27:14 Time On Btm: 2021.09.17 @ 09:40:15  
Time Off Btm: 2021.09.17 @ 11:41:45

TEST COMMENT: IF- Built to 1/2"  
SI1- No return  
FF- NO blow  
SI2- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2445.74	122.77	Initial Hydro-static
1	15.75	122.03	Open To Flow (1)
31	16.52	123.72	Shut-In(1)
60	24.10	124.81	End Shut-In(1)
61	15.36	124.81	Open To Flow (2)
91	16.17	125.83	Shut-In(2)
121	23.11	126.68	End Shut-In(2)
122	2313.44	127.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Val Energy **22\_8\_37 Sherman, KS**  
 125 N. Market STE 1110 **Rail Trust #1-22**  
 Wichita, KS 67202 Job Ticket: 68289 **DST#: 4**  
 ATTN: Tim Priest Test Start: 2021.09.17 @ 07:03:00

### Mud and Cushion Information

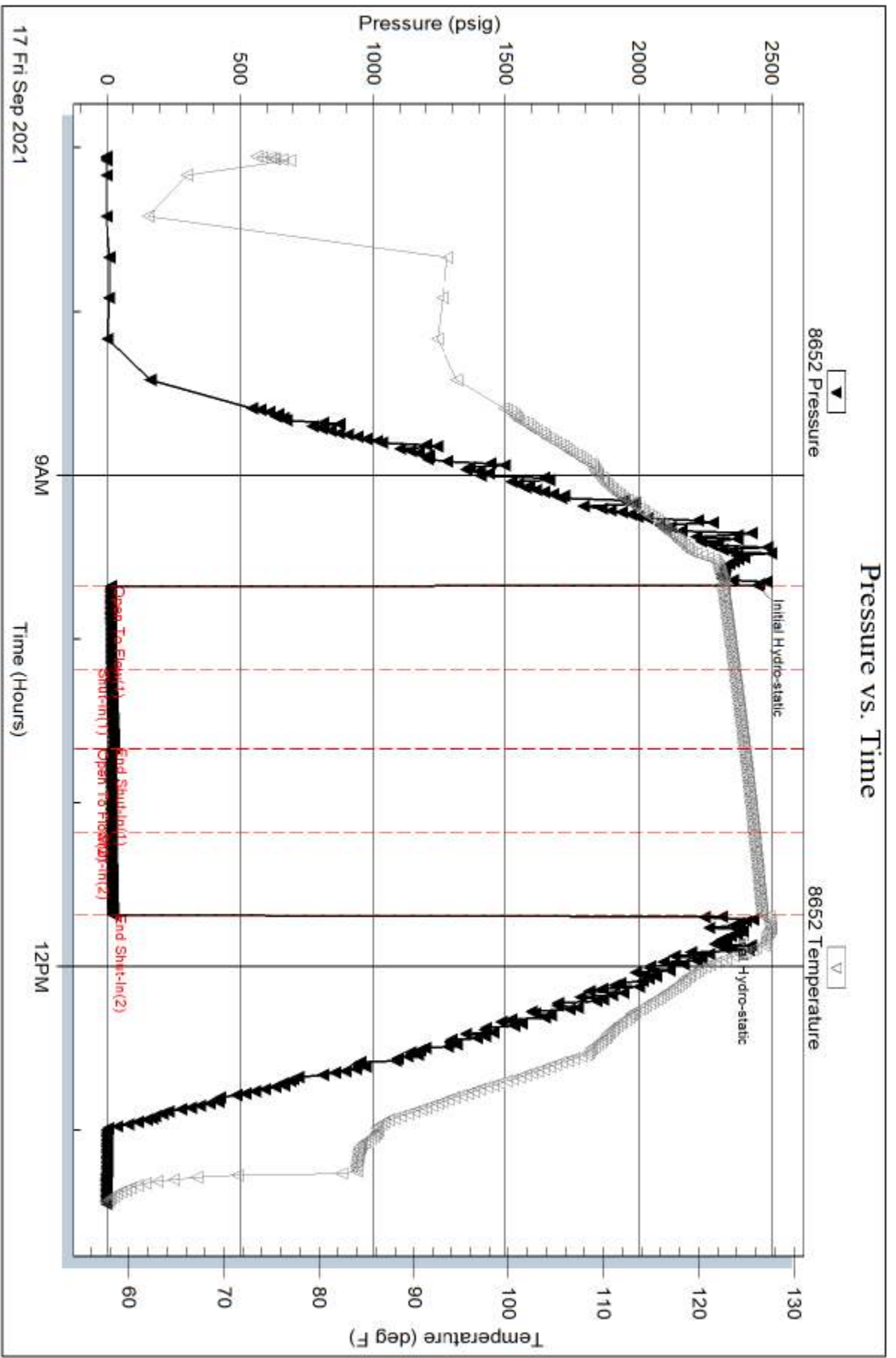
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6400.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl  
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:  
 Laboratory Name: Laboratory Location:  
 Recovery Comments: 1# LCM



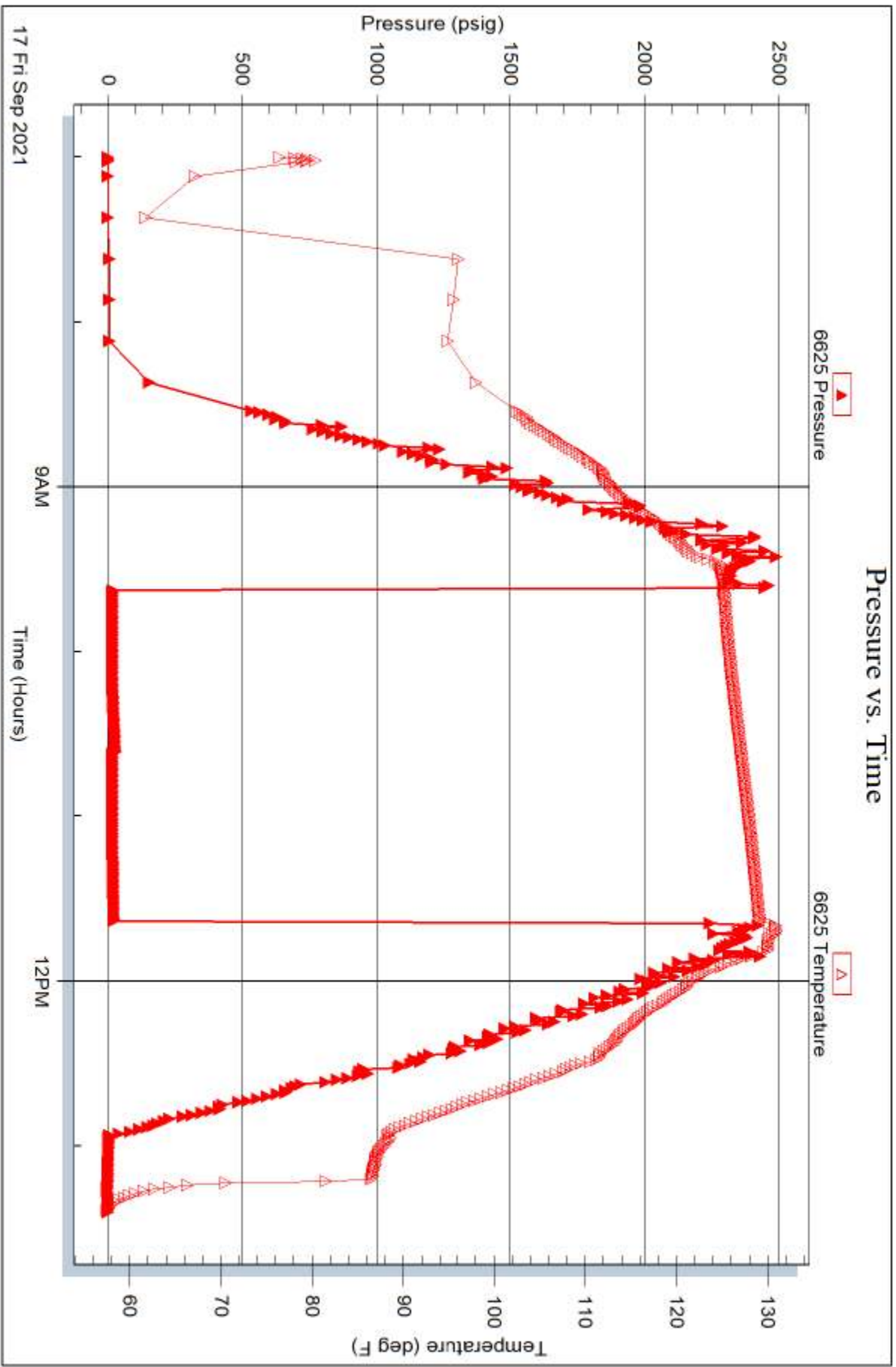
Serial #: 6625

Inside

Val Energy

Rail Trust #1-22

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 66289

Printed: 2021.09.17 @ 13:50:09