

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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PRESSURE PUMPING LLC

REMIT TO

QES Pressure Pumping LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

810921

Invoice Date: 08/08/17

Terms: Net 30

Page 1

VAL ENERGY

125 N. Market, Ste. 1110
WICHITA KS 67202
USA
316-263-6688

Eicher 1-8

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	30.000	1,330.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	30.000	200.20
CE0710	Cement Delivery Charge	412.800	1.7500	30.000	505.68
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	30.000	2,688.00
CC6075	Celloflake	60.000	3.0000	30.000	126.00
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50
Subtotal					7,093.40
Discounted Amount					2,128.02
SubTotal After Discount					4,965.38

Amount Due 7,428.20 If paid after 09/07/17

Tax: 234.36

Total: 5,199.74



8730/8625

TICKET NUMBER 53575
 LOCATION Oakley KS
 FOREMAN Jerry ✓

620-431-9210 or 800-467-8676

WELL TICKET & TREATMENT REPORT
 CEMENT

Invoice # 810921 *KS*

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-5-07	8576	Eicher 1-8	8	8s	36w	Thomas	
CUSTOMER		Mailing Address		TRUCK #	DRIVER	TRUCK #	DRIVER
Val Energy		125 N. Market St. 110		731 ✓	Cory D ✓		
CITY		STATE	ZIP CODE	479	Walt D		
Wichita		KS	67202				

JOB TYPE Plug HOLE SIZE 7 7/8 HOLE DEPTH 4982 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and rig apr. Well 2 plug as ordered with 240 sks
60/40 42 gal 1/4" flossal
50 sks @ 2900'
100 sks @ 2000'
50 sks @ 300'
10 sks @ 40' with 8 5/8 wooden plug
30 sks RH

Thank you
 Jerry Cox

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451 ✓	1	PUMP CHARGE	1900.00	1900.00 ✓
CE0002 ✓	40	MILEAGE	7.15	286.00 ✓
CE0710 ✓	10.32	for mileage delivery	1.75	722.40 ✓
CC5829 ✓ <i>13476</i>	240 sks	lite bleed <i>D</i>	16.00	3840.00 ✓
CC6075 ✓	60 #	flossal	3.00	180.00 ✓
CP8228 ✓	1	8 5/8 wooden plug	165.00	165.00 ✓
			Subtotal	7093.40
			-30%	2128.02
			Subtotal	4965.38 ✓
			SALES TAX	234.36 ✓
			ESTIMATED TOTAL	\$5199.74 ✓

AUTHORIZATION *[Signature]* TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



REMIT TO

QES Pressure Pumping LLC
 Dept:970
 P.O.Box 4346
 Houston,TX 77210-4346

MAIN OFFICE

P.O.Box884
 Chanute,KS 66720
 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 810853

Invoice Date: 07/31/17 Terms: Net 30 Page 1

VAL ENERGY
 125 N. Market, Ste. 1110
 WICHITA KS 67202
 USA
 316-263-6688

EICHER 1-8

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	30.000	805.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	30.000	200.20
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	195.000	23.0000	30.000	3,139.50

Subtotal 6,581.00
 Discounted Amount 1,974.30
 SubTotal After Discount 4,606.70

Amount Due 6,939.80 If paid after 08/30/17

Tax: 251.16
 Total: 4,857.86



PRESSURE PUMPING

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

8687
8580

TICKET NUMBER 53585

LOCATION Oakley, KS

FOREMAN Miles Crew

WELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 80853

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-26-17	8576	Eicher 1-8	8	85	36W	Thomas
CUSTOMER Val Energy Mailing Address 125 N. Market, Ste. 1110 City Wichita			Brawstork's 1/2N West into			
STATE KS	ZIP CODE 67202	TRUCK #	DRIVER	TRUCK #	DRIVER	
		753	Travis W			
		460	Stevano			
		703				

JOB TYPE Surface HOLE SIZE 12.25" HOLE DEPTH 240 CASING SIZE & WEIGHT 8 3/8" 23#
 CASING DEPTH 260 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT in CASING 20
 DISPLACEMENT 15 1/4 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and Reg on W/D drilling Res #2 Circulate cement Mix
195 cc Surface blend II Class Cement 38 calcium 2 gal displac 15 1/4 bbls water
Shut in Cement ch. Circulate Collar only

Thanks Miles Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1152.00	1152.00
CE0202	40	MILEAGE	7.15	286.00
CE0711	9.17	Ton mileage delivery	66.00	660.00
CC5871	195.8	Surface blend II	23.00	4485.00
			Subtotal	6583.00
			less 30% discount	1974.30
			Subtotal	4608.70
			SALES TAX	251.16
			ESTIMATED TOTAL	4857.86

Flavin 3737

AUTHORIZATION _____ TITLE D.A.D.S. DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N Market St. STE 1110
Wichita KS 67202

ATTN: Tim Priest

Eicher #1-8

8-8s-36w Thomas,KS

Start Date: 2017.07.31 @ 10:03:15

End Date: 2017.07.31 @ 17:37:30

Job Ticket #: 63835 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.07 @ 11:20:30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63835

DST#: 1

ATTN: Tim Priest

Test Start: 2017.07.31 @ 10:03:15

Tool Information

Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4213.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	70.00 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			4190.00	
Shut In Tool	5.00			4195.00	
Hydraulic tool	5.00			4200.00	
Jars	5.00			4205.00	
Safety Joint	3.00			4208.00	
Packer	5.00			4213.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4213.00	
Stubb	1.00			4214.00	
Perforations	1.00			4215.00	
Change Over Sub	1.00			4216.00	
Drill Pipe	32.00			4248.00	
Change Over Sub	1.00			4249.00	
Recorder	0.00	8672	Inside	4249.00	
Recorder	0.00	6749	Outside	4249.00	
Perforations	5.00			4254.00	
Bullnose	5.00			4259.00	46.00 Anchor Tool
Total Tool Length:	70.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63835

DST#: 1

ATTN: Tim Priest

Test Start: 2017.07.31 @ 10:03:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	12%m 88%w (collars)	0.585
573.00	mud 100%m	8.038

Total Length: 692.00 ft Total Volume: 8.623 bbl

Num Fluid Samples: 0

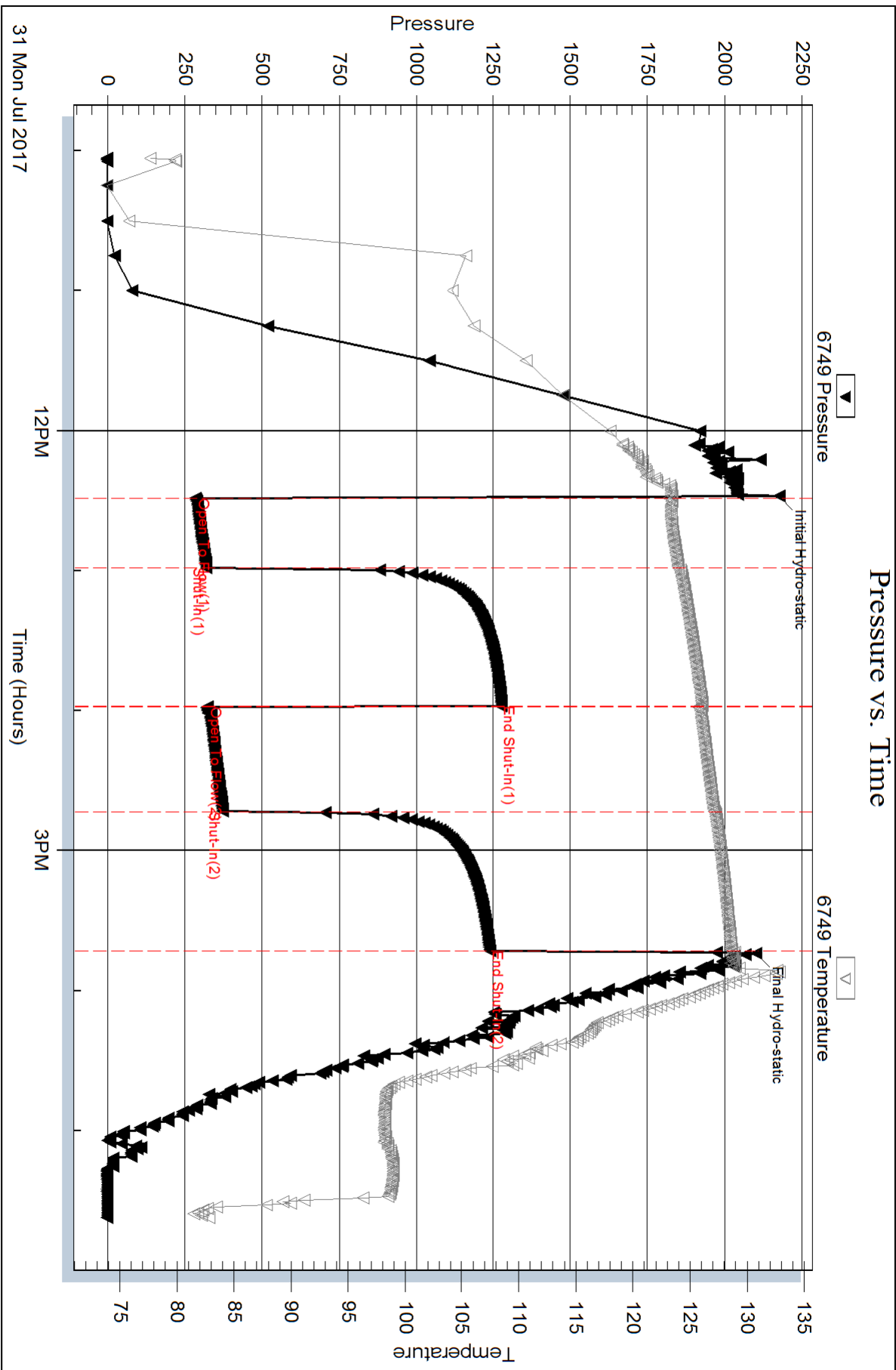
Num Gas Bombs: 0

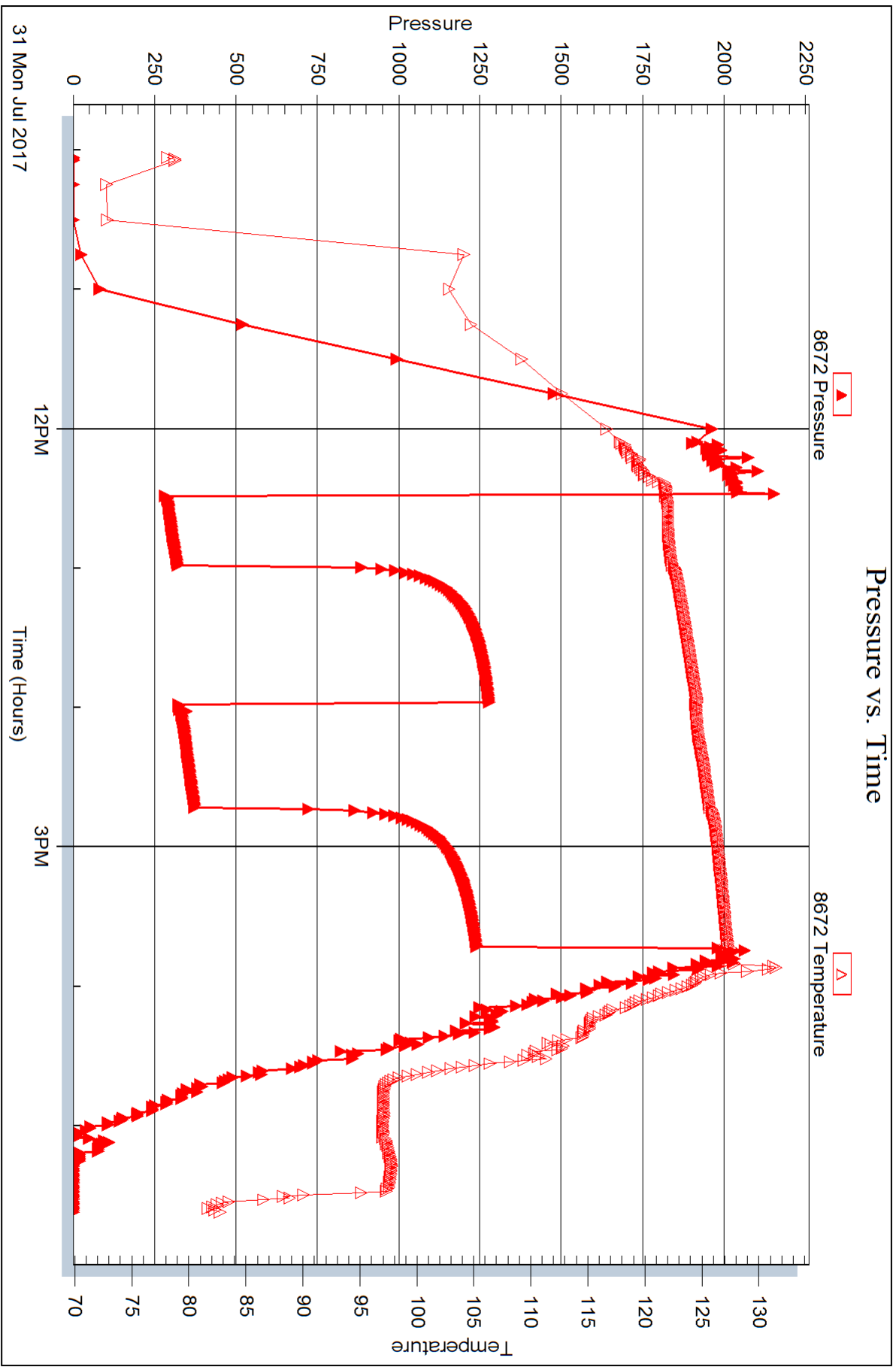
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .258@ 83.7*= 24,000 ppm







DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N Market St. STE 1110
Wichita KS 67202

ATTN: Tim Priest

Eicher #1-8

8-8s-36w Thomas,KS

Start Date: 2017.08.01 @ 11:06:15

End Date: 2017.08.01 @ 17:21:30

Job Ticket #: 63836 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.07 @ 11:17:54



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

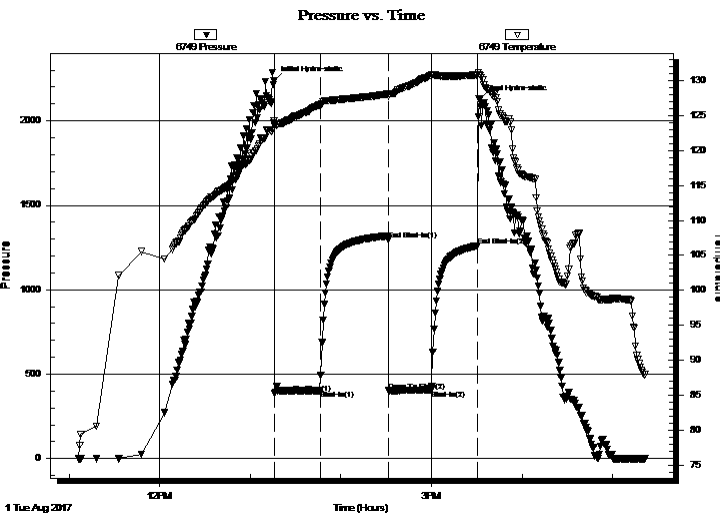
8-8s-36w Thomas,KS
Eicher #1-8
 Job Ticket: 63836 **DST#: 2**
 Test Start: 2017.08.01 @ 11:06:15

GENERAL INFORMATION:

Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:16:00
 Tester: Mike Roberts
 Time Test Ended: 17:21:30
 Unit No: 81
Interval: 4311.00 ft (KB) To 4370.00 ft (KB) (TVD)
 Reference Elevations: 3363.00 ft (KB)
 Total Depth: 4370.00 ft (KB) (TVD)
 3358.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 6749 Outside
 Press@RunDepth: 406.19 psig @ 4350.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.01 End Date: 2017.08.01 Last Calib.: 2017.08.01
 Start Time: 11:06:15 End Time: 17:21:30 Time On Btm: 2017.08.01 @ 13:15:45
 Time Off Btm: 2017.08.01 @ 15:31:30

TEST COMMENT: IF: Built to 2 1/2" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.29	124.27	Initial Hydro-static
1	388.39	123.55	Open To Flow (1)
31	402.35	126.47	Shut-In(1)
76	1297.35	128.06	End Shut-In(1)
76	401.15	127.75	Open To Flow (2)
105	406.19	130.75	Shut-In(2)
135	1260.15	130.78	End Shut-In(2)
136	2128.30	130.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
677.00	mud 100% m	8.41

* 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.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63836

DST#: 2

ATTN: Tim Priest

Test Start: 2017.08.01 @ 11:06:15

Tool Information

Drill Pipe:	Length: 4172.00 ft	Diameter: 3.80 inches	Volume: 58.52 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.11 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4311.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4288.00	
Shut In Tool	5.00			4293.00	
Hydraulic tool	5.00			4298.00	
Jars	5.00			4303.00	
Safety Joint	3.00			4306.00	
Packer	5.00			4311.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4311.00	
Stubb	1.00			4312.00	
Perforations	4.00			4316.00	
Change Over Sub	1.00			4317.00	
Drill Pipe	32.00			4349.00	
Change Over Sub	1.00			4350.00	
Recorder	0.00	8672	Inside	4350.00	
Recorder	0.00	6749	Outside	4350.00	
Perforations	15.00			4365.00	
Bullnose	5.00			4370.00	59.00 Anchor Tool
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63836

DST#: 2

ATTN: Tim Priest

Test Start: 2017.08.01 @ 11:06:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.53 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
677.00	mud 100%m	8.412

Total Length: 677.00 ft Total Volume: 8.412 bbl

Num Fluid Samples: 0

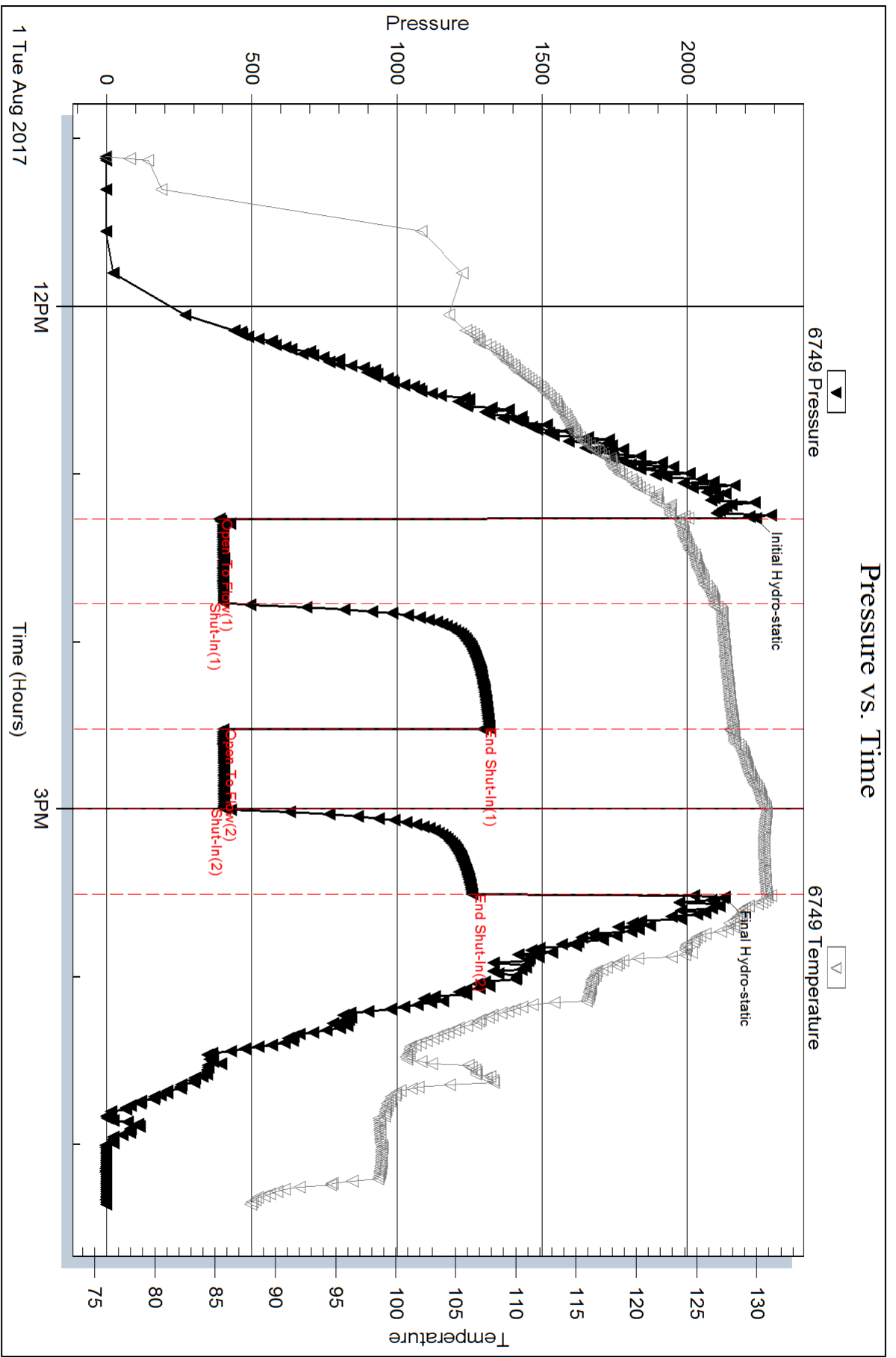
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



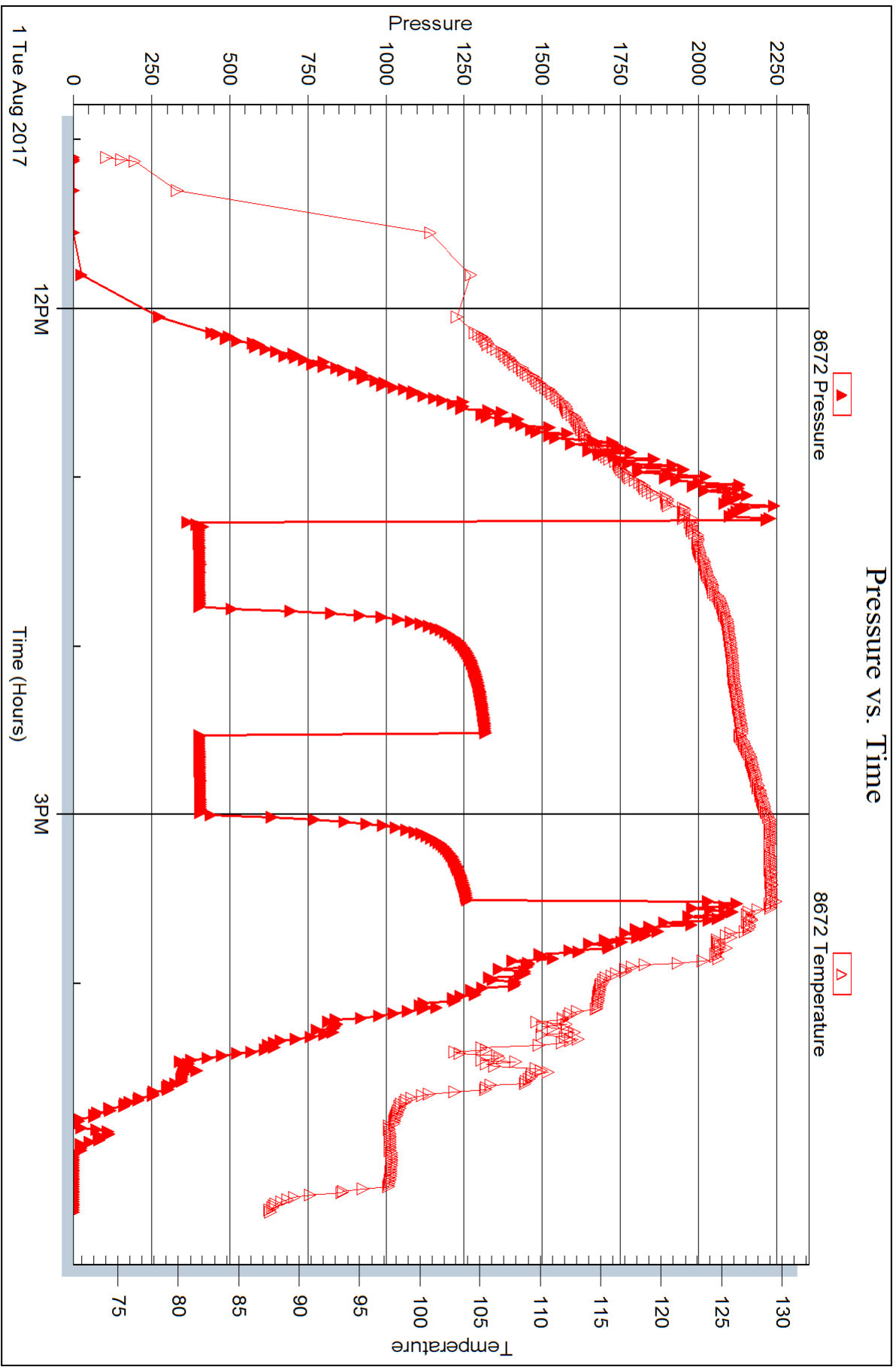
Serial #: 8672

Inside

Val Energy Inc.

Echer #1-8

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63836

Printed: 2017.08.07 @ 11:17:56



DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N Market St. STE 1110
Wichita KS 67202

ATTN: Tim Priest

Eicher #1-8

8-8s-36w Thomas,KS

Start Date: 2017.08.02 @ 06:30:15

End Date: 2017.08.02 @ 13:00:30

Job Ticket #: 63837 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.07 @ 11:16:37

Val Energy Inc.
8-8s-36w Thomas,KS
Eicher #1-8
DST # 3
LKC I - L
2017.08.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63837

DST#: 3

ATTN: Tim Priest

Test Start: 2017.08.02 @ 06:30:15

Tool Information

Drill Pipe:	Length: 4214.00 ft	Diameter: 3.80 inches	Volume: 59.11 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4327.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	150.00 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			4300.00	
Shut In Tool	5.00			4305.00	
Hydraulic tool	5.00			4310.00	
Jars	5.00			4315.00	
Safety Joint	3.00			4318.00	
Packer	5.00			4323.00	28.00 Bottom Of Top Packer
Packer	4.00			4327.00	
Stubb	1.00			4328.00	
Perforations	4.00			4332.00	
Change Over Sub	1.00			4333.00	
Drill Pipe	95.00			4428.00	
Change Over Sub	1.00			4429.00	
Recorder	0.00	8672	Inside	4429.00	
Recorder	0.00	6749	Outside	4429.00	
Perforations	15.00			4444.00	
Bullnose	5.00			4449.00	122.00 Bottom Packers & Anchor
Total Tool Length:	150.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63837

DST#: 3

ATTN: Tim Priest

Test Start: 2017.08.02 @ 06:30:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.55 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	mud 100% m (collars)	0.585
10.00	mud with few oil spots 100% m	0.140

Total Length: 129.00 ft

Total Volume: 0.725 bbl

Num Fluid Samples: 0

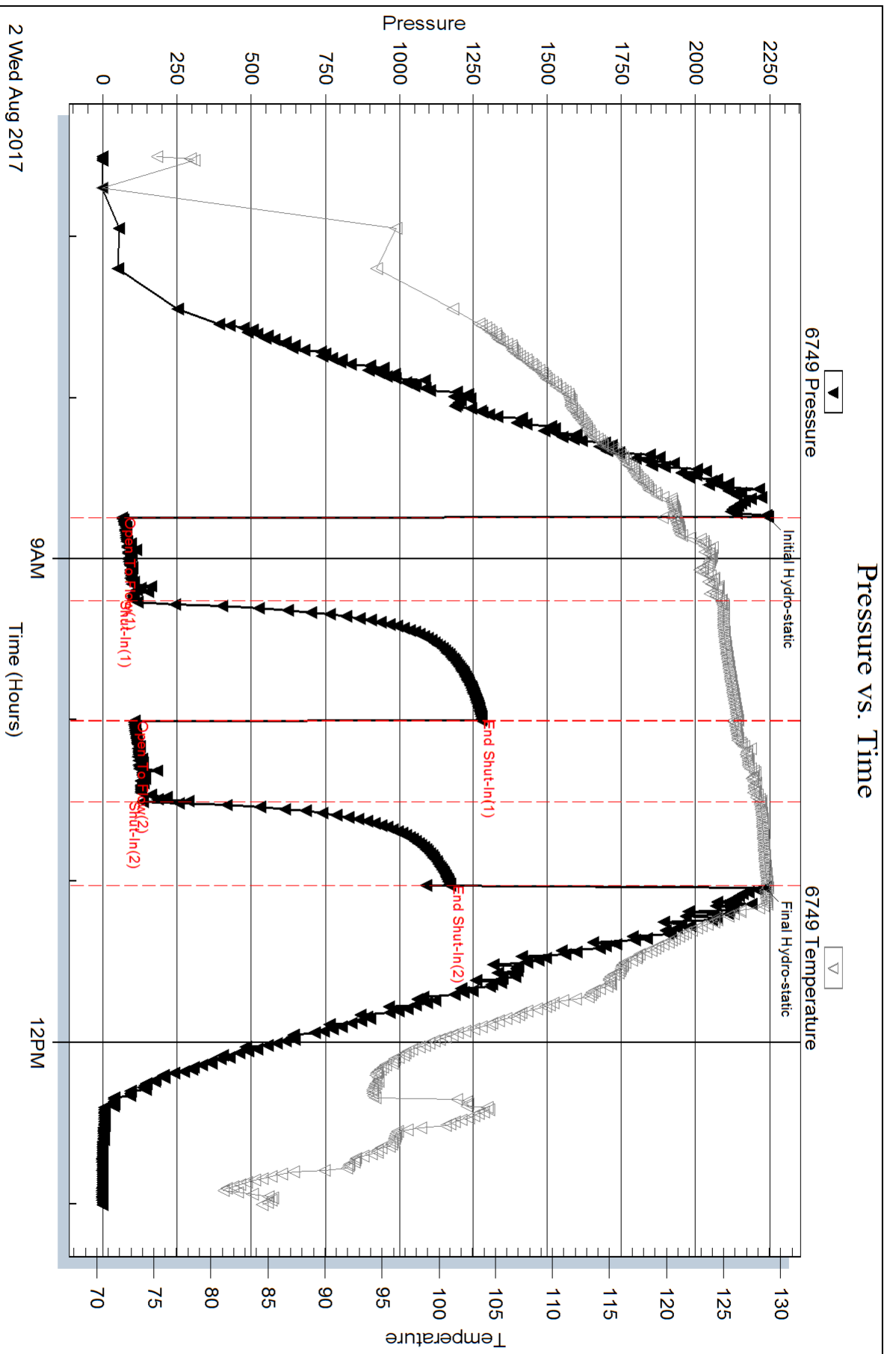
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



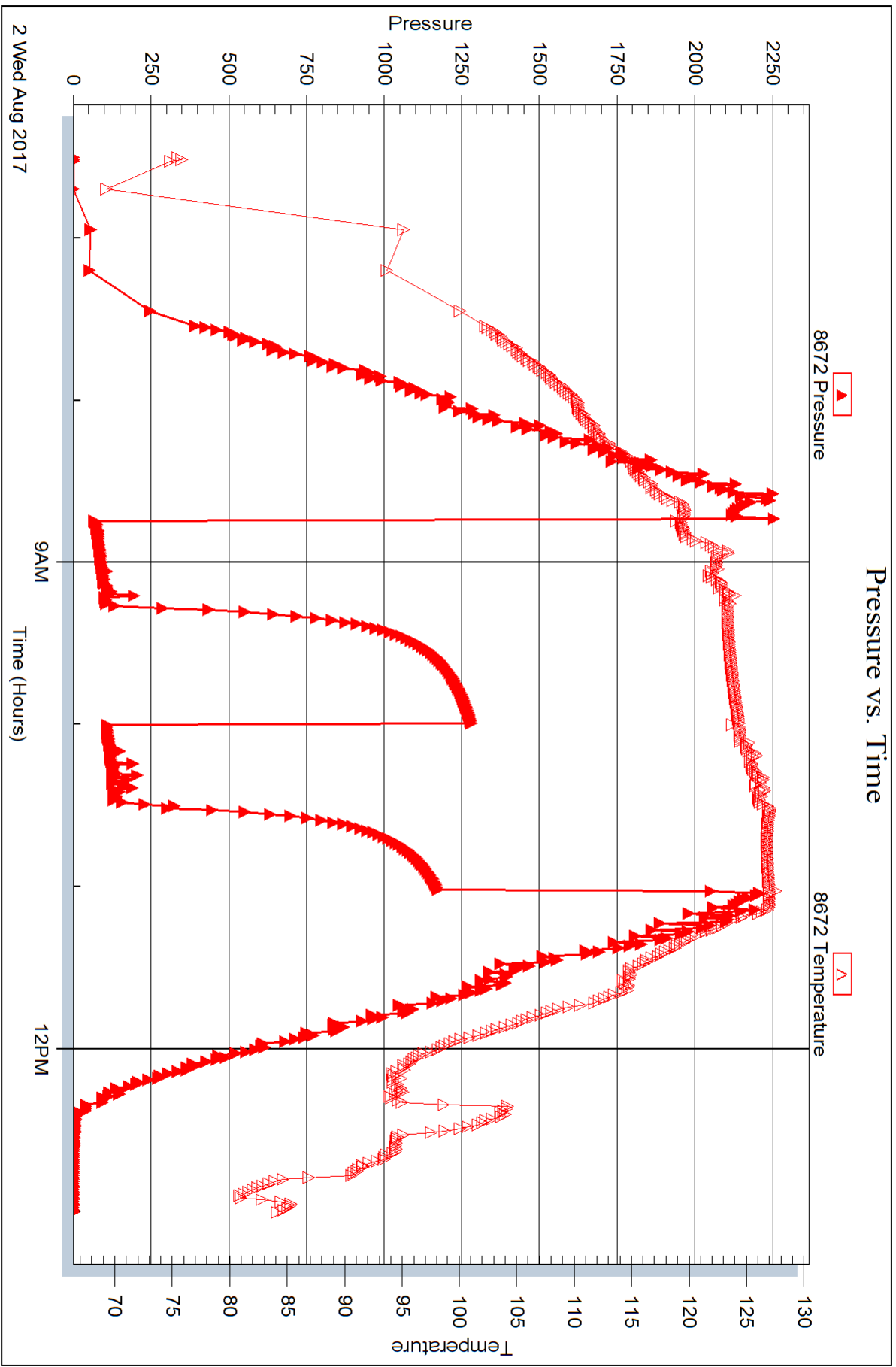
Serial #: 8672

Inside

Val Energy Inc.

Echer #1-8

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 63837

Printed: 2017.08.07 @ 11:17:04



DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N Market St. STE 1110
Wichita KS 67202

ATTN: Tim Priest

Eicher #1-8

8-8s-36w Thomas,KS

Start Date: 2017.08.03 @ 01:10:15

End Date: 2017.08.03 @ 09:47:45

Job Ticket #: 63838 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.08.07 @ 11:13:27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63838

DST#: 4

ATTN: Tim Priest

Test Start: 2017.08.03 @ 01:10:15

Tool Information

Drill Pipe:	Length: 4535.00 ft	Diameter: 3.80 inches	Volume: 63.61 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4660.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4637.00	
Shut In Tool	5.00			4642.00	
Hydraulic tool	5.00			4647.00	
Jars	5.00			4652.00	
Safety Joint	3.00			4655.00	
Packer	5.00			4660.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4660.00	
Stubb	1.00			4661.00	
Perforations	4.00			4665.00	
Change Over Sub	1.00			4666.00	
Drill Pipe	32.00			4698.00	
Change Over Sub	1.00			4699.00	
Recorder	0.00	8672	Inside	4699.00	
Recorder	0.00	6749	Outside	4699.00	
Perforations	20.00			4719.00	
Bullnose	5.00			4724.00	64.00 Anchor Tool
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

8-8s-36w Thomas,KS

125 N Market St. STE 1110
Wichita KS 67202

Eicher #1-8

Job Ticket: 63838

DST#: 4

ATTN: Tim Priest

Test Start: 2017.08.03 @ 01:10:15

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	mcw 20%m 80%w (collars)	0.585
124.00	mcw 30%m 70%w	1.739
154.00	ocw m 2%o 24% w 74%m	2.160
5.00	free oil 100%o	0.070

Total Length: 402.00 ft

Total Volume: 4.554 bbl

Num Fluid Samples: 0

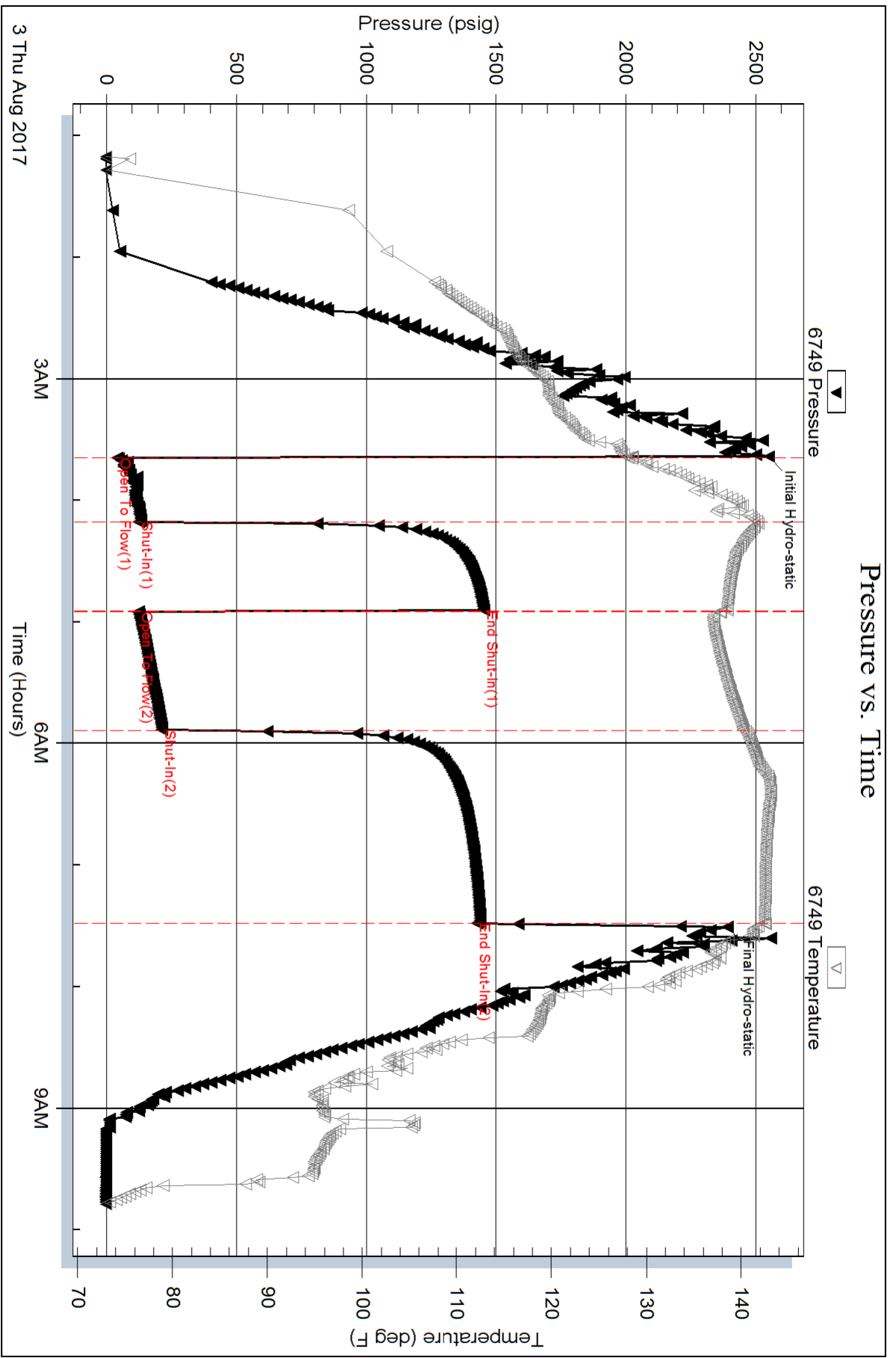
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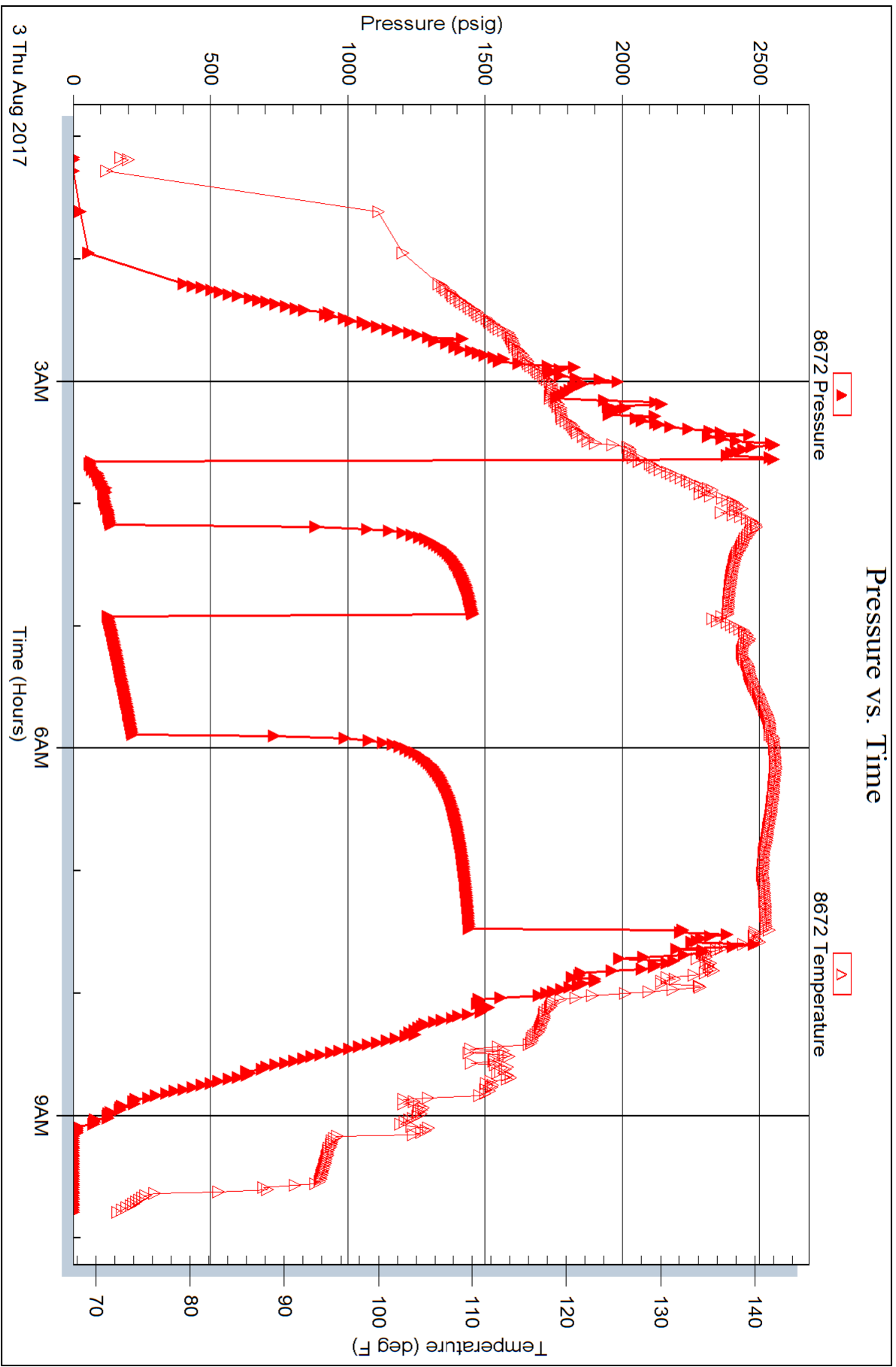
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63835**

Well Name & No. Eicker 1-8 Test No. 1 Date 7-31-17
 Company Val Energy Inc. Elevation 3363 KB 3358 GL
 Address 125 N. Market St STE 1110 Wichita KS 67202
 Co. Rep / Geo. Tim Priest Rig WW2
 Location: Sec. 8 Twp. 8S Rge. 36W Co. THOMAS State KS

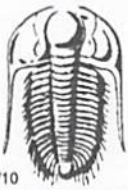
Interval Tested 4213-4259 Zone Tested C-F
 Anchor Length 46 Drill Pipe Run 4081 Mud Wt. 9.1
 Top Packer Depth 4208 Drill Collars Run 119 Vis 57
 Bottom Packer Depth 4213 Wt. Pipe Run Ø WL 8.8
 Total Depth 4259 Chlorides 3500 ppm System LCM 1
 Blow Description IF: Built to 7" Blow
IS: No Return Blow
FF: BOB in 41 Min.
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>573</u>	<u>MUD</u>			<u>100</u>	
<u>119</u>	<u>MCW</u>		<u>88</u>	<u>12</u>	

Rec Total 692 BHT 129 Gravity — API RW .258 @ 83.7 °F Chlorides 24000 ppm
 (A) Initial Hydrostatic 2175 Test 950? \$1150.00/- T-On Location 08:30
 (B) First Initial Flow 289 Jars _____ T-Started 10:03
 (C) First Final Flow 319 Safety Joint _____ T-Open 12:28
 (D) Initial Shut-In 1275 Circ Sub NC T-Pulled 15:43
 (E) Second Initial Flow 323 Hourly Standby _____ T-Out 17:37
 (F) Second Final Flow 371 Mileage 188 RT \$141.00 Comments _____
 (G) Final Shut-In 1239 Sampler _____
 (H) Final Hydrostatic 2101 Straddle _____
 Shale Packer \$250.00/- Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 0?
 Accessibility _____ MP/DST Disc't _____
 Sub Total \$1541.00/-

Approved By Tim Priest Our Representative Mike Roberts

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63836**

Well Name & No. Eicher 1-8 Test No. 2 Date 8-1-17
 Company Val Energy Inc. Elevation 3363 KB 3358 GL
 Address 125. N. Market St. STE 1110 Wichita KS 67202
 Co. Rep / Geo. Tim Priest Rig WW2
 Location: Sec. 8 Twp. 8S Rge. 36w Co. THOMAS State KS

Interval Tested 4311-4370 Zone Tested H-I-J
 Anchor Length 59 Drill Pipe Run ~~4122~~ 4172 Mud Wt. 9.1
 Top Packer Depth 4306 Drill Collars Run 119 Vis 63
 Bottom Packer Depth 4311 Wt. Pipe Run φ WL 9.6
 Total Depth 4370 Chlorides 4000 ppm System LCM 1
 Blow Description IF: Built to 2 1/2" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

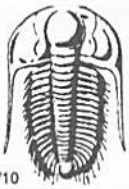
Rec	Feet of	%gas	%oil	%water	%mud
<u>677</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 677 BHT 131 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2237</u>	<input checked="" type="checkbox"/> Test 950? <u>\$150.00/-</u>	T-On Location <u>09:45</u>
(B) First Initial Flow <u>388</u>	<input type="checkbox"/> Jars	T-Started <u>11:06</u>
(C) First Final Flow <u>402</u>	<input type="checkbox"/> Safety Joint	T-Open <u>13:15</u>
(D) Initial Shut-In <u>1297</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>15:30</u>
(E) Second Initial Flow <u>401</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:21</u>
(F) Second Final Flow <u>406</u>	<input checked="" type="checkbox"/> Mileage <u>188 RT = \$141.00/-</u>	Comments
(G) Final Shut-In <u>1260</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2128</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>\$250.00/-</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>0</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>\$1541.00/-</u>	

Approved By Tim Priest Our Representative Mike Bolots

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63837**

Well Name & No. Eicher 1-8 Test No. 3 Date 8-2-17
 Company Ual Energy Inc. Elevation 3363 KB 3358 GL
 Address 125 N. Market St. STE 1110 Wichita KS 67202
 Co. Rep / Geo. Tim Priest Rig WW2
 Location: Sec. 8 Twp. 8S Rge. 36w Co. THOMAS State KS

Interval Tested 4327-4469 Zone Tested I-J-K-L
 Anchor Length 122 Drill Pipe Run 4214 Mud Wt. 9.1
 Top Packer Depth 4322 Drill Collars Run 119 Vis 6.3
 Bottom Packer Depth 4327 Wt. Pipe Run Ø WL 9.6
 Total Depth 4469 Chlorides 4000 ppm System LCM 1
 Blow Description IF: Built to 2 1/4" Blow
IS: NO Return Blow
FF: Built to 2" Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Feet of MUD with oil spots</u>			<u>100</u>	
<u>119</u>	<u>Feet of MUD (collars)</u>			<u>100</u>	

Rec Total 129 BHT 129 Gravity - API RW - @ - ° F Chlorides - ppm
 (A) Initial Hydrostatic 2242 Test \$1150.00/- T-On Location 05:05
 (B) First Initial Flow 64 Jars - T-Started 06:30
 (C) First Final Flow 103 Safety Joint - T-Open 08:44
 (D) Initial Shut-In 1276 Circ Sub NC T-Pulled 10:59
 (E) Second Initial Flow 106 Hourly Standby - T-Out 13:00
 (F) Second Final Flow 134 Mileage 188RT=\$141.00/- Comments -
 (G) Final Shut-In 1173 Sampler -
 (H) Final Hydrostatic 2234 Straddle - Ruined Shale Packer -
 Initial Open 30 Shale Packer - Ruined Packer -
 Initial Shut-In 45 Extra Packer \$250.00/- Extra Copies -
 Final Flow 30 Extra Recorder - Sub Total 0
 Final Shut-In 30 Day Standby - Total 1541
 Accessibility - MP/DST Disc't -
 Sub Total \$1541.00/-

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63838**

Well Name & No. Eicker 1-8 Test No. 4 Date 8-3-17
 Company Val Energy Inc. Elevation 3363 KB 3358 GL
 Address 125 N. Market St. STE 1110 Wichita KS 67202
 Co. Rep / Geo. Tim Priest Rig LW2
 Location: Sec. 8 Twp. 8S Rge. 36W Co. Thomas State KS

Interval Tested 4660-4724 Zone Tested Cherokee-Johnson
 Anchor Length 64 Drill Pipe Run 4535 Mud Wt. 9.3
 Top Packer Depth 4655 Drill Collars Run 119 Vis 63
 Bottom Packer Depth 4660 Wt. Pipe Run φ WL 9.6
 Total Depth 4724 Chlorides 5000 ppm System LCM 1
 Blow Description IF: Built to 9" Blow
IS: No Return Blow
FF: BOB in 93 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	Feet of <u>Free oil</u>	<u>100</u>			
<u>154</u>	Feet of <u>OCwm</u>	<u>2</u>	<u>24</u>	<u>74</u>	
<u>124</u>	Feet of <u>OCwm mcw</u>		<u>70</u>	<u>30</u>	
<u>119</u>	Feet of <u>mcw</u>		<u>80</u>	<u>20</u>	
	Feet of				

Rec Total 402 BHT 142 Gravity 25 API RW, 342 @ 63.3 °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2551 Test \$1150.00/- T-On Location 23:15
 (B) First Initial Flow 42 Jars _____ T-Started 01:10
 (C) First Final Flow 125 Safety Joint _____ T-Open 03:40
 (D) Initial Shut-In 1454 Circ Sub NC T-Pulled ~~07:25~~ 07:25
 (E) Second Initial Flow 124 Hourly Standby _____ T-Out 09:47
 (F) Second Final Flow 214 Mileage 188RT = \$141.00/- 282 Comments Loaded Tools
 (G) Final Shut-In 1427 Sampler X2 at 04:00 8-4-17
 (H) Final Hydrostatic 2390 Straddle _____ Ruined Shale Packer _____
 Shale Packer \$250.00/- Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1682
 Accessibility 1682 MP/DST Disc't _____
 Sub Total \$1541.00/-

Approved By _____ Our Representative Mike Roberts
 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.