

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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PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004409	1718	08/09/2019
INVOICE NUMBER			
93026376			

Pratt (620) 672-1201
 B VAL ENERGY
 I 125 n market ste 1710
 L WICHITA
 L KS US 67202
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME CRUMRINE 1-4
 O LOCATION
 B COUNTY THOMAS
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41186263			Net - 30 days	09/08/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 08/07/2019 to 08/07/2019</i>				
0041186268				
171818004A Cement-New Well Casing/Pi 08/07/2019 PLUG TO ABANDON				
60/40 Poz	240.00	SK	7.44	1,785.60 T
Celloflake	43.00	LB	1.28	55.04 T
Cement Gel	414.00	LB	0.16	66.24 T
Wooden Cement Plug, 8 5/8"	1.00	EA	51.20	51.20
Light Vehicle Mileage	100.00	MI	1.65	165.00
Heavy Equipment Mileage	200.00	MI	2.80	560.00
Ton Mileage	1,035.00	MI	1.05	1,086.75
Blending & Mixing Service Charge	240.00	SK	0.49	117.60
Depth Charge, 2001'-3000'	1.00	HR	630.00	630.00
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00
Add'l Discount Per Agreement	1.00	EA	1,050.00	1,050.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,647.43
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	152.55
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	3,799.98
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		

JMH:60



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 18004 A

4-85-36W

DATE _____ TICKET NO. _____

DATE OF JOB: 8/7/2019	DISTRICT: Prgatt, KS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: V91 Energy, Inc	LEASE: Crumrine	WELL NO. 1-4					
ADDRESS:	COUNTY: Thomas	STATE: KS					
CITY:	STATE:	SERVICE CREW: D Grin, Bier, Dissz					
AUTHORIZED BY:	JOB TYPE: 2421 PTA						

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
19843	3 1/4						8/6	PM	11:45
21010	7/4						8/7	AM	5:00
							8/7	AM	5:45
							8/7	AM	9:00
							8/7	AM	9:30
						MILES FROM STATION TO WELL	244		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
BC132	60/40 Poz	SK	240		5,580.00	
CC102	Cellophane	LB	43		172.00	
CC200	Cement Gel	LB	414		207.00	
CF153	Wooden Cement Plus	ED	1		160.00	
ME101	Light Vehicle Mileage	MI	100		500.00	
ME102	Heavy Equipment Mileage	MI	200		1,600.00	
TM	Ton Mileage	MI	1035		3,105.00	
CE240	Blending & mixing Service Charge	SK	240		336.00	
CC3	Depon Charge, 2001-3,000	HR	1		1,800.00	
BE143	Service Supervisor Charge	ED	1		75.00	
BE144	Driver Charge	EA	3		105.00	
					SUB TOTAL	13,640.00

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		3,647.43

Discounted *[Signature]*

SERVICE REPRESENTATIVE: *[Signature]*
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer V91 Energy, Inc.	Lease No.	Date 8/7/2019	
Lease Crumrine	Well # 1-4		
Field Order # 18004	Station P192115	Casing	Depth
Type Job 242/PTA	Formation	County Thomas	State KS
		Legal Description 4-85-36W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush W9SK, mud	Gas Volume		Total Load	

Customer Representative Picky	Station Manager Justin Westerman	Treater Darin Franklin
Service Units 92911 33708 19843 19960 21010		
Driver Names Darin Brett Brett Disz Disz		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
5:00pm					ON LOCATION / Safety meeting
					240 SK 60/40 P02 2% Gel 1/4 HCF
					14.8 pps, 1.21 vol/d, 5.18 wgr
					2890.50SK
5:45pm	200		8	4	Pump 8 wgr
	200		11	4	mix 50SK
	200		35	4	Displace 3 wgr & 32 mud
					1925' - 100SK
	200		8	4	Pump 8 wgr
	200		21	4	mix 100SK
	200		15	4	Displace 3 wgr & 15 mud
					335' - 50SK
	100				Pump 3 bbbs wgr
	100				mix 50SK
	100				Displace 1 wgr
	0				40' - 10SK
	0				RT - 30SK
9:00am					Job complete / Darin & crew



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004409	1718	07/31/2019
INVOICE NUMBER			
93021210			

Pratt (620) 672-1201
 B VAL ENERGY
 L 125 n market ste 1710
 L WICHITA
 T KS US 67202
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME CRUMRINE 1-4
 O LOCATION
 B COUNTY THOMAS
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT

9208

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41185292			Net - 30 days	08/30/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 07/30/2019 to 07/30/2019</i>				
0041185292				
171818158A <u>Cement-New Well Casing/Pi</u> 07/30/2019				
<u>SURFACE CASING</u>				
60/40 Poz	170.00	SK	7.44	1,264.80 T
Calcium Chloride	441.00	LB	0.32	141.12 T
Celloflake	43.00	LB	1.28	55.04 T
Light Vehicle Mileage	100.00	MI	1.65	165.00
Heavy Equipment Mileage	200.00	MI	2.80	560.00
Ton Mileage	735.00	MI	1.05	771.75
Blending & Mixing Service Charge	170.00	SK	0.49	83.30
Depth Charge, 0'-1000'	1.00	HR	420.00	420.00
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,641.01
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	116.88
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	3,757.89
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		

Ray

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **VAL ENERGY, INC.**
 LEASE **CRUMBERG #4**
 FIELD **Widdall**
 LOCATION **1338 F.L., 472 F.W.L.**
 SEC **4 T1MSP 8S** R1E **36W**
 COUNTY **Thomas** STATE **Kansas**

CONTRACTOR **WW Drilling, Rig #10**
 SPUD **7/30/2019** COMP **8/7/2019**
 RTD **4880'** LTD **4878'**
 MUD UP **3600'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3900'** to RTD
 DRILLING TIME KEPT FROM **3900'** to RTD
 SAMPLES EXAMINED FROM **3900'** to RTD
 GEOLOGICAL SUPERVISION FROM **3900'** to RTD
 GEOLOGIST ON WELL **Tim Priest**

FROM **KB**
 MEASUREMENTS ARE ALL

CASING
 CONDUCTION **N/A**
 SURFACE **8.5W@285'**
 PRODUCTION Name

FORMATION TOPS

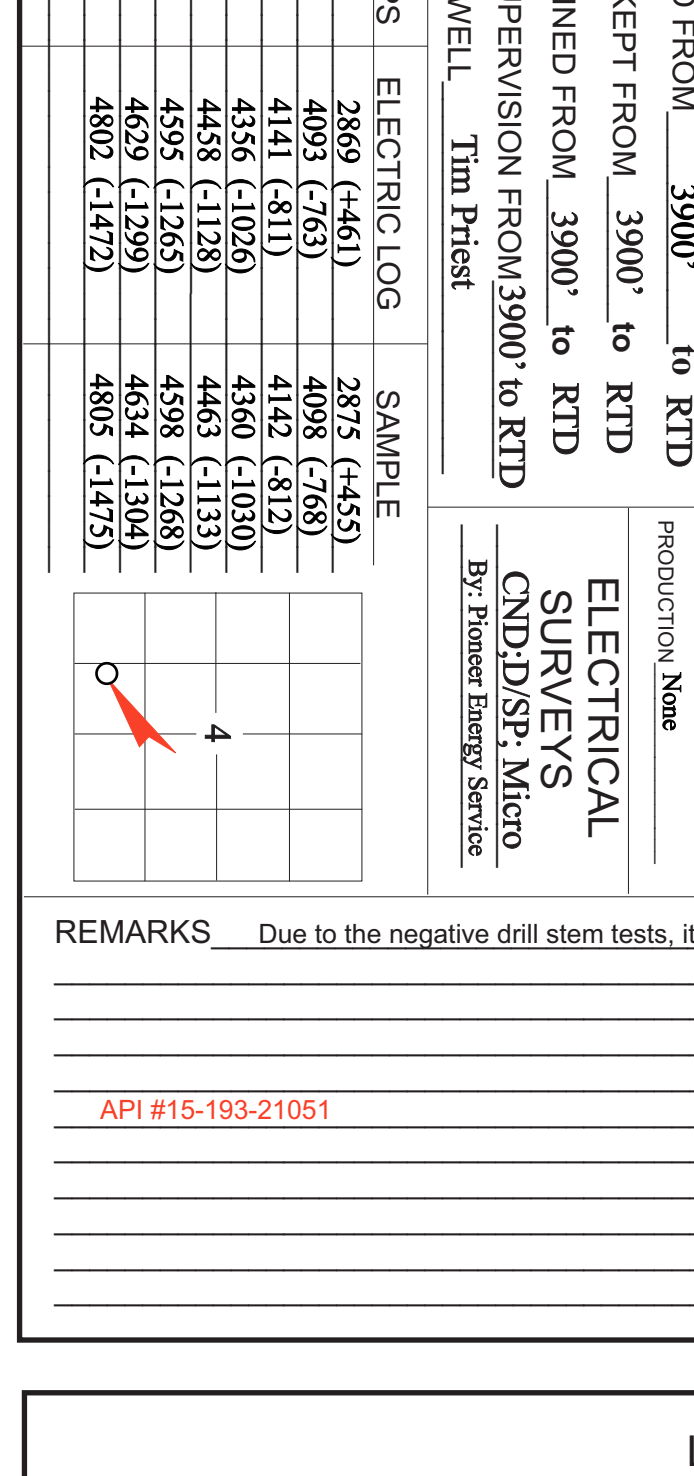
FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2869 (-4461)	2875 (-4455)
Heebner Shale	4093 (-763)	4098 (-768)
Austin	4141 (-811)	4142 (-812)
Stark	4356 (-1026)	4360 (-1030)
Marmaton	4458 (-1128)	4463 (-1133)
Fort Scott	4595 (-1265)	4598 (-1268)
Cherokee Shale	4629 (-1299)	4634 (-1304)
Mississippian	4802 (-1472)	4805 (-1475)

ELEVATIONS
 KG 3330'
 DF _____
 GL 3325'

REMARKS Due to the negative drill stem tests, it was decided to plug and abandon the well.

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-193-21051



DEPTH	LITHOLOGY	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	SAMPLE DESCRIPTION	REMARKS
2900	Anhydrite	~1.0		Anhydrite 2875 (+455)
2900-3900	Anhydrite	~1.0		Base/ Anhydrite 2805 (+425)
3900	Shale	~1.0	Ls crm-tan-lt gry, fn xtl, sli cherty, dnse Sh gry	
4000	Shale	~1.0	Ls crm-tan-lt gry, fn xtl, sli cherty, dnse Sh gry	Short trip to condition hole @ 4000'
4100	Shale	~1.0	Ls crm, fn xtl, fos-ool, chky, f int frag por, NS Ls crm, fn xtl, fos-ool, chky, f int frag por, NS	
4100	Shale	~1.0	Ls crm-lt gry, fn xtl, fos-sli ool, chky, sme f int xtl & int frag por, NS Sh gry, silty Ls crm-lt gry, fn xtl, fos-sli ool, chky, sme f int xtl & int frag por, NS Ls crm-lt gry, fn xtl, sli fos, sli chky, dnse	Heebner 4088 (-768)
4100	Shale	~1.0	Sh blk, carb Ls crm-tan, vfn xtl, dnse Sh red-gry, silty, calc in prt	Toronto 4126 (-796)
4100	Shale	~1.0	Ls crm-tan, fn xtl, fos-ool, chky, p-f int frag por, spdt blk stn on few pcs, VSSFO, no odor, no fluor Sh red-gry, silty	Lansing 4142 (-812)
4200	Shale	~1.0	Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, spdt blk dead stn on few pcs, NFO Ls crm-lt gry, fn xtl, fos, dnse Sh gry, calc Ls crm-lt gry, mic xtl, dnse Ls crm-lt gry, fn xtl, fos, p-pp vug por, spdt blk stn, VSSFO, no odor, no fluor Ls/Dol crm-lt gry, fn xtl, f int xtl por, NS Sh gry-dk gry Ls crm-lt gry, fn xtl, fos, p pp por, spdt blk stn, VSSFO, no odor, no fluor	Muncie Creek 4279 (-96)
4300	Shale	~1.0	Sh red-gry Ls crm-lt gry, fn xtl, fos, p pp por, spdt blk stn, SSFO, no odor, no fluor Ls crm-lt gry, fn xtl, sli fos, p-f int xtl-pp por, NS Ls crm-lt gry, vfn xtl, dnse Sh grn-gry Sh blk, carb Ls tan-gry, mottl, vfn xtl, dnse Sh red-brn-gry, calc Ls crm-lt gry, fn xtl, sli chky, fos, p-pp por, spdt dk stn on few pcs, VSSFO, no odor, no fluor Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, fn xtl, sli chky, fos, p pp por, spdt dk stn, VSSFO, no odor, no fluor VSSFO, no odor, no fluor Sh var col, calc Ls crm, fn xtl, sli chky, fos-fn ool, spdt-sil sat dk stn, SSFO, v weak odor, no fluor	DST #1 (4274-4400) FF: BOB 2', no return FF: BOB 2', no return Rec: 580 MW(75%W, 25%M), 1760 MW(95%W, 4%M), Total Fluid: 2330' Fps: 149-739/790-1105# SIPs: 1206/1301# HSPs: 2093#/2084# BHT: 132 deg F CHN/ole: 27 000ppm Pipe strap @ 4400' was 0.58' short to board
4300	Shale	~1.0	Ls crm-lt gry, vfn xtl, dnse Sh blk, carb Sh gry-red-brn, calc Sh gry-dk gry Ls crm-lt gry, fn xtl, fos, dnse Ls crm-lt gry, fn-med xtl, Dol in prt, p-f int xtl por, NS	Stark 4360 (-1030)
4400	Shale	~1.0	Sh blk, carb Ls crm-tan, vfn xtl, fos, dnse Ls crm-lt gry, fn xtl, fos-sli ool, chky, p-f int xtl-int frag por, NS Sh grn-red-maroon Ls crm-lt gry, fn xtl, fos, chky, dnse Sh grn-red-maroon Ls crm-lt gry, fn xtl, fos, chky, dnse Sh grn-red-maroon, calc Sh var col, silty, sandy Ls crm-lt gry, fn xtl, fos, chky, arg in prt	Hushpuckney 4396 (-1066)
4500	Shale	~1.0	Ls crm-lt gry, fn xtl, fos, chky, dnse Ls crm-lt gry, mic xtl, dnse Sh var col Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, fn xtl, fos, v chky, p-f int xtl-pp por, NS Sh var col Sh var col, silty Ls crm-lt gry, fn xtl, fos, chky, dnse Ls crm-lt gry, vfn xtl, dnse Sh dk gry Sh blk, carb Ls tan-gry, vfn xtl, dnse	Marmaton 4463(-1135)
4500	Shale	~1.0	Ls crm-lt gry, fn xtl, fos-sli ool, sli chky, p-f int xtl-pp por, 2 pcs w/spdt stn, VSSFO, no odor, no fluor Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	Pawnee 4548 (-1213)
4600	Shale	~1.0	Sh blk, carb Ls crm-tan-gry, fn xtl, fos, p-f int xtl-pp por, NS Sh/Ls dk gry-blk, chty Ls crm-lt gry, fn xtl, fos, sli chty, p-f int xtl-pp por, NS Sh blk, carb	Myric Station 4572 (-1242)
4600	Shale	~1.0	Ls crm-tan-lt gry, vfn xtl, sli fos, sli chty, dnse Ls crm-tan, mic xtl, dnse Ls crm-lt gry, vfn xtl, fos, chky, dnse	Fort Scott 4598 (-1268)
4700	Shale	~1.0	Sh blk, carb Ls crm-lt gry, vfn xtl, dnse Sh var col, silty Ls crm-lt gry, vfn xtl, sli chty, dnse Ls tan, fn xtl, fos, p pp-vug por, spdt blk stn, VSSFO(heavy), sli odor, no fluor SS clear-lt gry, med-coarse gm, sil fia, spdt-sil sat blk stn, SSFO(heavy), f odor, no fluor Sh var col, silty Sh var col, w/coarse gm dirty SS Sh blk, carb Sh var col, silty, w/Ls stringers Sh var col, w/dirty med gm SS	Cherokee Shale 4634 (-1304) DST # 2 (4630-4655) FF: BOB 2', no return FF: BOB 2', no return Rec: 2 MWD(PCS 105 LAM) Fps: 14-24W/27-38# SIPs: 1331#/1314# HSPs: 2266#/2205# BHT: 132 deg F
4800	Shale	~1.0	SS clear-lt gry, med gm, well round, sil fia, NS SS clear-lt gry, med gm, well round, sil fia, NS Sh var col SS clear-wh, fn-med gm, well round, fia, NS Sh var col	Johnson Zone 4678 (-1349)
4800	Shale	~1.0	Ls crm-lt gry, vfn xtl, sli sandy, sli chky, dnse Ls crm-lt gry, vfn xtl, sli sandy, sli chky, dnse Ls lt gry, vfn xtl, sandy, dnse Ls lt gry, fn xtl, sandy, chty, dnse Ls/Dol gry, med xtl, p-f int xtl por, NS Ls lt gry-tan, fn xtl, dnse Ls tan-gry mottl, fn xtl, fos, p int frag por, NS	Mississippian 4805 (-1475)
4880	Shale	~1.0		Total Depth 4880' (-1550)



DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N. Market St. STE 1110
Wichita, KS 67202

ATTN: Tim Priest

Crumrine #1-4

4-8s-36w Thomas,KS

Start Date: 2019.08.04 @ 09:23:00

End Date: 2019.08.04 @ 17:04:30

Job Ticket #: 64695 DST #: 1

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

Printed: 2019.08.07 @ 11:05:47



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

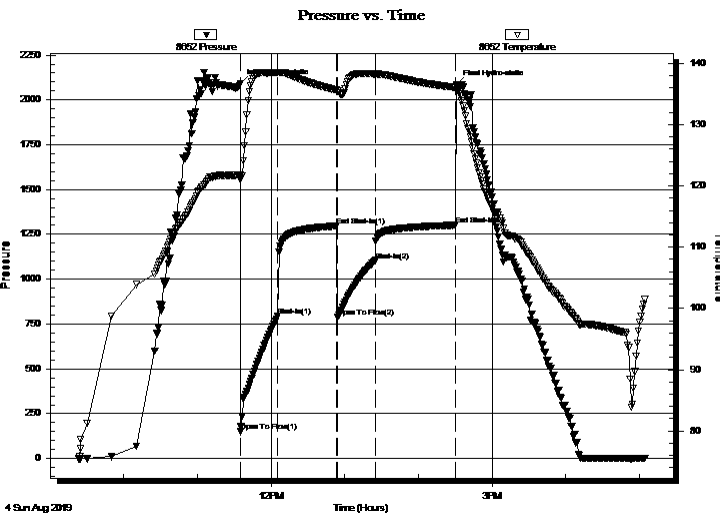
4-8s-36w Thomas,KS
Crumrine #1-4
 Job Ticket: 64695 **DST#: 1**
 Test Start: 2019.08.04 @ 09:23:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:35:00
 Time Test Ended: 17:04:30
 Interval: **4274.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: 4400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 3330.00 ft (KB)
 3325.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 1104.82 psig @ 4275.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.04 End Date: 2019.08.04 Last Calib.: 2019.08.04
 Start Time: 09:23:05 End Time: 17:04:29 Time On Btm: 2019.08.04 @ 11:34:45
 Time Off Btm: 2019.08.04 @ 14:31:15

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 1 3/4 min., built to 183 1/2"
 45 - IS: No blow back
 30 - FF: Blow built to BOB at 2 min., built to 128"
 60 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.65	121.78	Initial Hydro-static
1	149.32	121.00	Open To Flow (1)
31	793.30	138.46	Shut-In(1)
79	1297.12	135.59	End Shut-In(1)
80	790.45	135.48	Open To Flow (2)
110	1104.82	138.20	Shut-In(2)
176	1301.28	136.04	End Shut-In(2)
177	2083.65	135.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1780.00	SMCW 96%w, 4%m	23.86
550.00	MCW 75%w, 25%m	7.72

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

4-8s-36w Thomas,KS
Crumrine #1-4
Job Ticket: 64695 **DST#: 1**
Test Start: 2019.08.04 @ 09:23:00

Tool Information

Drill Pipe:	Length: 4157.00 ft	Diameter: 3.80 inches	Volume: 58.31 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 58.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4274.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	147.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4254.00	
Shut In Tool	5.00			4259.00	
Hydraulic tool	5.00			4264.00	
Packer	5.00			4269.00	21.00 Bottom Of Top Packer
Packer	5.00			4274.00	
Packer - Shale	0.00			4274.00	
Stubb	1.00			4275.00	
Recorder	0.00	6625	Inside	4275.00	
Recorder	0.00	8652	Outside	4275.00	
Perforations	25.00			4300.00	
Blank Spacing	97.00			4397.00	
Bullnose	3.00			4400.00	126.00 Bottom Packers & Anchor

Total Tool Length: 147.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

4-8s-36w Thomas,KS

125 N. Market St. STE 1110
Wichita, KS 67202

Crumrine #1-4

Job Ticket: 64695

DST#: 1

ATTN: Tim Priest

Test Start: 2019.08.04 @ 09:23:00

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:

27000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1780.00	SMCW 96%w , 4%m	23.857
550.00	MCW 75%w , 25%m	7.715

Total Length: 2330.00 ft Total Volume: 31.572 bbl

Num Fluid Samples: 0

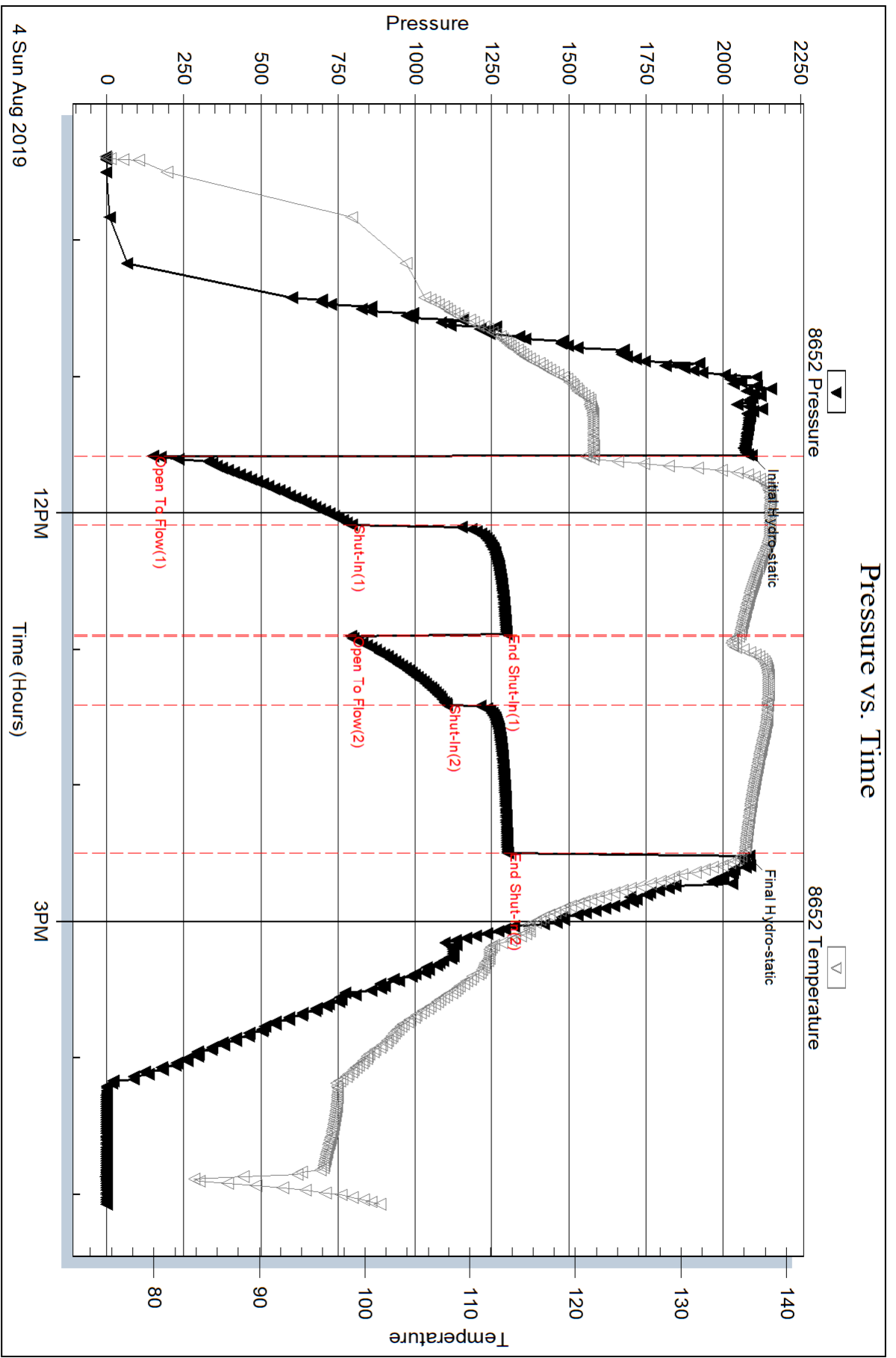
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .186 ohms @ 98 deg F Chlorides = 27,000 ppm



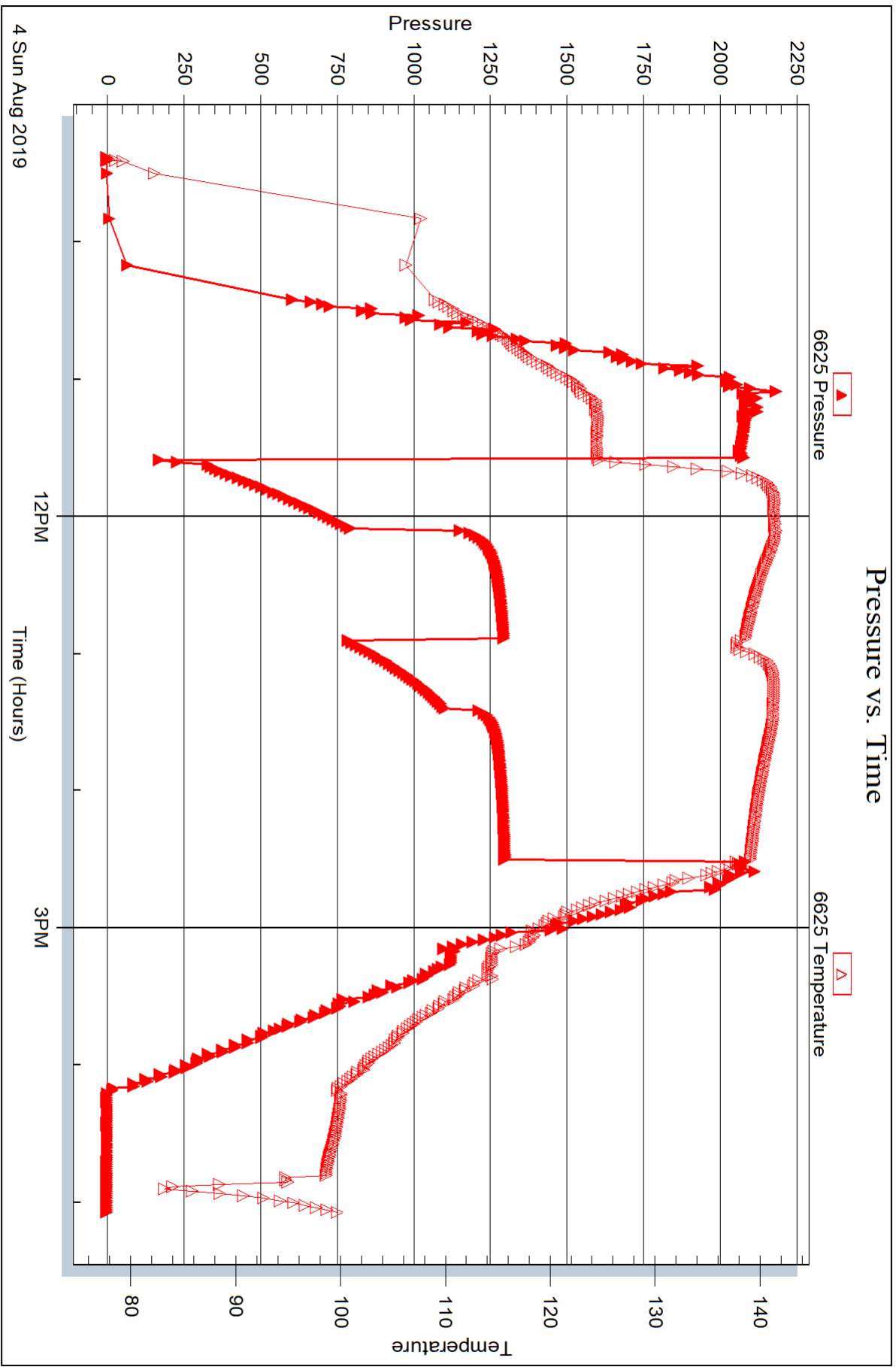
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Inside

Val Energy Inc.

Cumtine #1-4

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64695

Printed: 2019.08.07 @ 11:05:48



DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N. Market St. STE 1110
Wichita, KS 67202

ATTN: Tim Priest

Crumrine #1-4

4-8s-36w Thomas,KS

Start Date: 2019.08.05 @ 17:54:00

End Date: 2019.08.05 @ 22:42:30

Job Ticket #: 64696 DST #: 2

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

Printed: 2019.08.07 @ 11:05:05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Val Energy Inc.

4-8s-36w Thomas,KS

125 N. Market St. STE 1110
Wichita, KS 67202

Crumrine #1-4

Job Ticket: 64696

DST#: 2

ATTN: Tim Priest

Test Start: 2019.08.05 @ 17:54:00

Tool Information

Drill Pipe:	Length: 4507.00 ft	Diameter: 3.80 inches	Volume: 63.22 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:	35000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 63.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4630.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4610.00	
Shut In Tool	5.00			4615.00	
Hydraulic tool	5.00			4620.00	
Packer	5.00			4625.00	21.00 Bottom Of Top Packer
Packer	5.00			4630.00	
Packer - Shale	0.00			4630.00	
Stubb	1.00			4631.00	
Recorder	0.00	6625	Inside	4631.00	
Recorder	0.00	8652	Outside	4631.00	
Perforations	21.00			4652.00	
Bullnose	3.00			4655.00	25.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

4-8s-36w Thomas,KS

125 N. Market St. STE 1110
Wichita, KS 67202

Crumrine #1-4

Job Ticket: 64696

DST#: 2

ATTN: Tim Priest

Test Start: 2019.08.05 @ 17:54:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

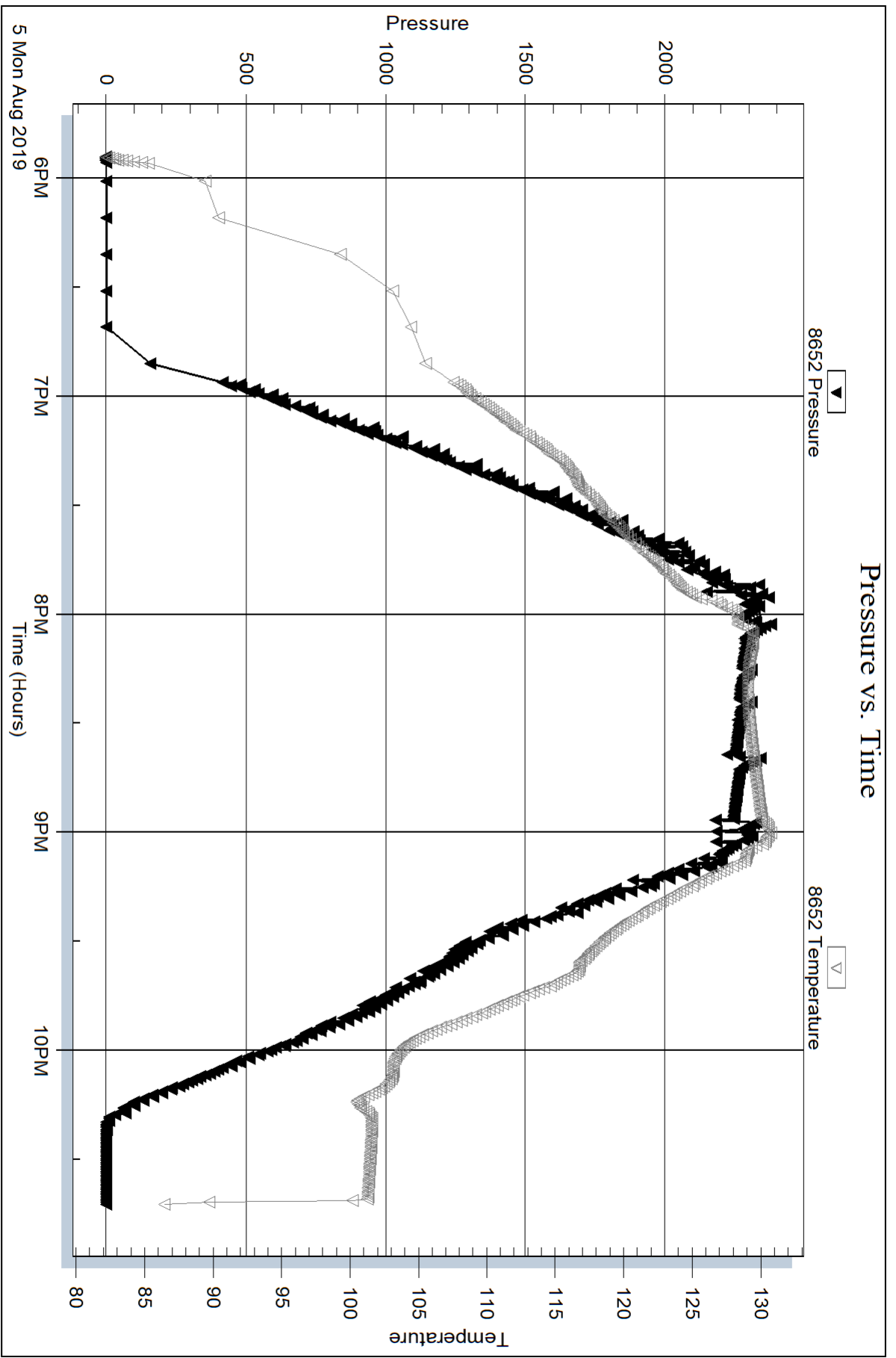
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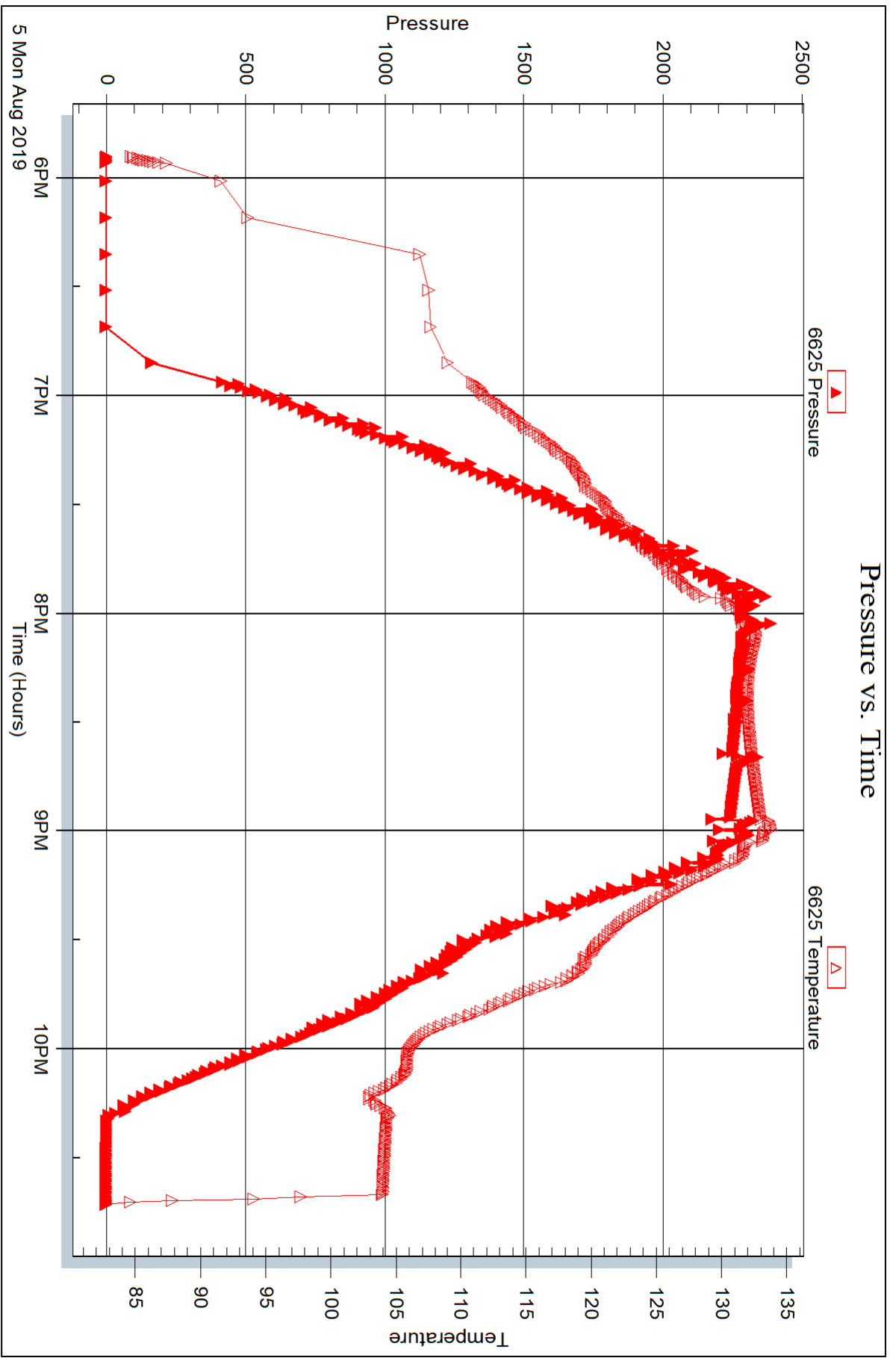
Serial #: 8652

Outside Val Energy Inc.

Cumtine #1-4

DST Test Number: 2







DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc.**

125 N. Market St. STE 1110
Wichita, KS 67202

ATTN: Tim Priest

Crumrine #1-4

4-8s-36w Thomas,KS

Start Date: 2019.08.05 @ 22:57:00

End Date: 2019.08.06 @ 04:09:45

Job Ticket #: 64697 DST #: 3

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

Printed: 2019.08.07 @ 10:57:16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

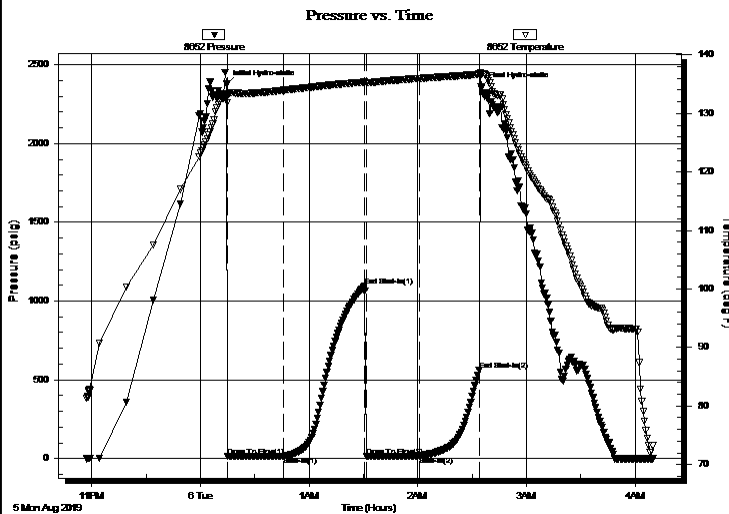
4-8s-36w Thomas,KS
Crumrine #1-4
 Job Ticket: 64697 **DST#: 3**
 Test Start: 2019.08.05 @ 22:57:00

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:14:45
 Time Test Ended: 04:09:45
Interval: 4630.00 ft (KB) To 4655.00 ft (KB) (TVD)
 Total Depth: 4655.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 3330.00 ft (KB)
 3325.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 17.14 psig @ 4631.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.08.05 End Date: 2019.08.06 Last Calib.: 2019.08.06
 Start Time: 22:57:05 End Time: 04:09:44 Time On Btm: 2019.08.06 @ 00:14:30
 Time Off Btm: 2019.08.06 @ 02:35:00

TEST COMMENT: 30 - IF: Blow built to 1"
 45 - IS: No blow back
 30 - FF: No blow
 30 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2377.26	133.06	Initial Hydro-static
1	12.90	131.91	Open To Flow (1)
32	14.50	133.98	Shut-In(1)
76	1093.88	135.37	End Shut-In(1)
77	16.22	135.31	Open To Flow (2)
107	17.14	135.98	Shut-In(2)
140	559.05	136.72	End Shut-In(2)
141	2359.24	136.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SMCO 85%o, 5%g, 10%m	0.01

* 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

4-8s-36w Thomas,KS
Crumrine #1-4
Job Ticket: 64697 **DST#: 3**
Test Start: 2019.08.05 @ 22:57:00

Tool Information

Drill Pipe:	Length: 4507.00 ft	Diameter: 3.80 inches	Volume: 63.22 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:	35000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 63.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4630.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4610.00	
Shut In Tool	5.00			4615.00	
Hydraulic tool	5.00			4620.00	
Packer	5.00			4625.00	21.00 Bottom Of Top Packer
Packer	5.00			4630.00	
Packer - Shale	0.00			4630.00	
Stubb	1.00			4631.00	
Recorder	0.00	6625	Inside	4631.00	
Recorder	0.00	8652	Outside	4631.00	
Perforations	21.00			4652.00	
Bullnose	3.00			4655.00	25.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

4-8s-36w Thomas,KS

125 N. Market St. STE 1110
Wichita, KS 67202

Crumrine #1-4

Job Ticket: 64697

DST#: 3

ATTN: Tim Priest

Test Start: 2019.08.05 @ 22:57:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SMCO 85%o, 5%g, 10%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

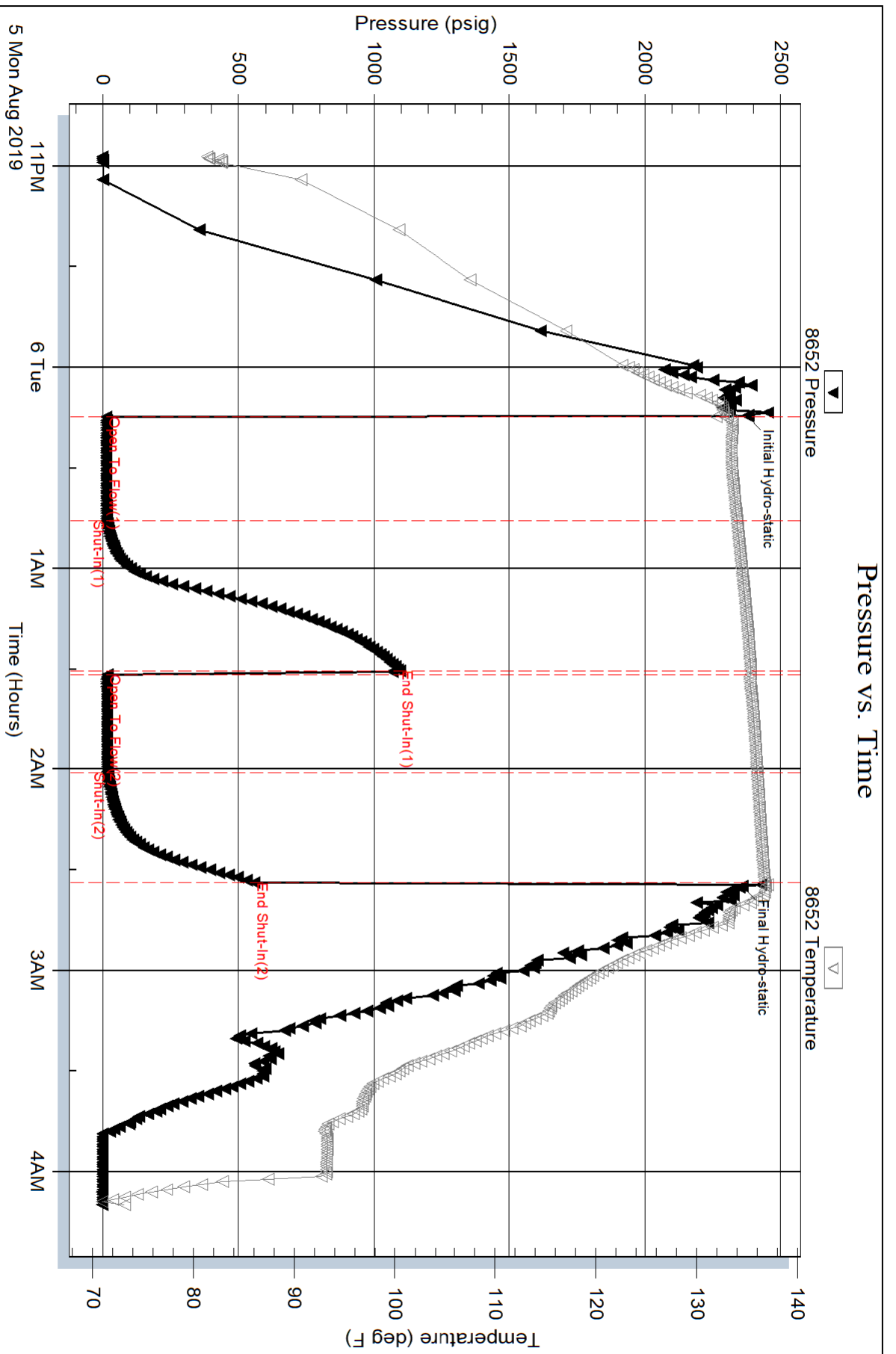
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 25.6 api @ 68 deg F Corrected Gravity = 24.8 api



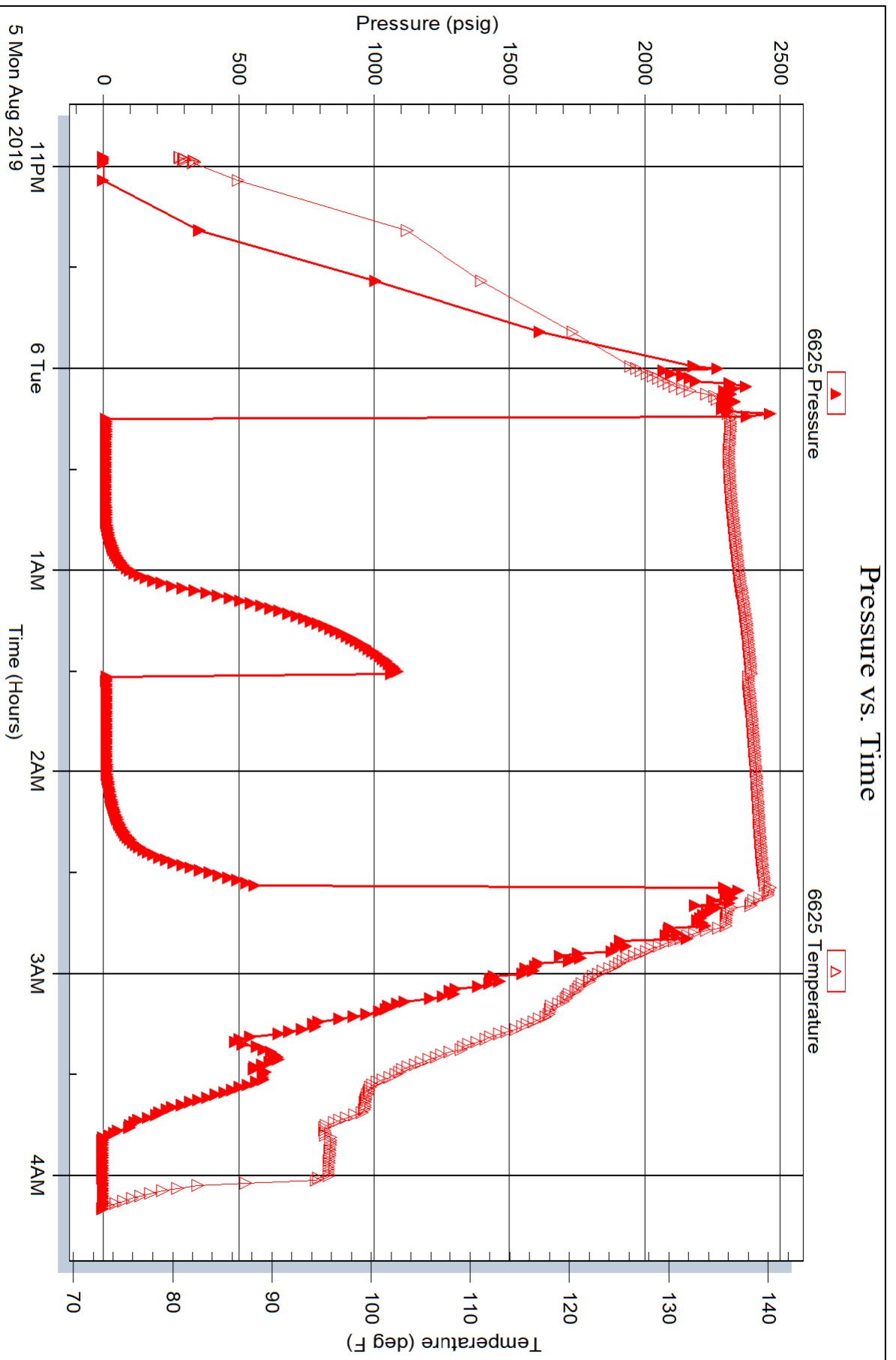
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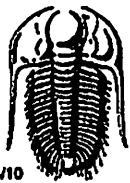
Inside

Val Energy Inc.

Cumtine #1-4

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64695

Well Name & No. Crumrine #1-4 Test No. 1 Date 8-4-19
 Company Val Energy Inc Elevation 3330 KB 3325 GL
 Address 125 N Market St STE 1110 Wichita, KS 67202
 Co. Rep / Geo. Tim Priest Rig WW #10
 Location: Sec. 4 Twp 8s Rge. 36w Co. Thomas State KS

Interval Tested 4274 - 4400 Zone Tested LKC "H-K"
 Anchor Length 126 Drill Pipe Run 4157 Mud Wt. 9.4
 Top Packer Depth 4269 Drill Collars Run 122 Vis 55
 Bottom Packer Depth 4274 (Shale) Wt. Pipe Run - WL 7.2
 Total Depth 4400 Chlorides 2700 ppm System LCM 1

Blow Description IF: Blow built to BOR (11") at 1 3/4 min., built to 183 1/2"
IST: No blowback
FF: Blow built to BOB at 2 min., built to 128"
FSI: No blowback

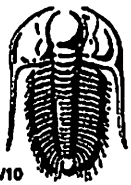
Rec	Feet of	%gas	%oil	%water	%mud
<u>550</u>	<u>MCW</u>		<u>75</u>	<u>25</u>	
<u>1780</u>	<u>SMCW</u>		<u>96</u>	<u>4</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2330 BHT 136 Gravity _____ API RW 0.86 @ 98 °F Chlorides 27,000 ppm

(A) Initial Hydrostatic 2093 Test 1300 T-On Location 7:55
 (B) First Initial Flow 149 Jars _____ T-Started 9:23
 (C) First Final Flow 793 Safety Joint _____ T-Open 11:35
 (D) Initial Shut-In 1297 Circ Sub _____ T-Pulled 14:30
 (E) Second Initial Flow 790 Hourly Standby _____ T-Out 17:00
 (F) Second Final Flow 1105 Mileage 156 RT 156 Comments _____
 (G) Final Shut-In 1301 Sampler _____
 (H) Final Hydrostatic 2084 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1706
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1706

Approved By _____ Our Representative James Vindler

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 test 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. 64696

Well Name & No. Crumrine #1-4 Test No. 2 Date 8-5-19
 Company Val Energy Inc. Elevation 3330 KB 3325 GL
 Address 125 N. Market St. STE 110 Wichita, KS 67202
 Co. Rep / Geo. Tim Priest Rig WW#10
 Location: Sec. 4 Twp 8S Rge. 36W Co. Thomas State KS

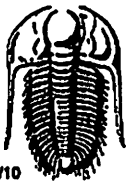
Interval Tested 4630-4655 Zone Tested Cherokee
 Anchor Length 25 Drill Pipe Run 4507 Mud Wt. 9.4
 Top Packer Depth 4625 Drill Collars Run 122 Vls 54
 Bottom Packer Depth 4630 (shale) Wt. Pipe Run - WL 8.8
 Total Depth 4655 Chlorides 5000 ppm System LCM 1
 Blow Description ~~Hydraulic~~ Hydraulic Tool would not open
Pulled tool

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	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test nc T-On Location 17:20
 (B) First Initial Flow _____ Jars _____ T-Started 17:54
 (C) First Final Flow _____ Safety Joint _____ T-Open _____
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 20:57
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 22:40
 (F) Second Final Flow _____ Mileage 156RT Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open _____ Extra Packer _____ Extra Copies _____
 Initial Shut-In _____ Extra Recorder _____ Sub Total _____
 Final Flow _____ Day Standby _____ Total _____
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative James White
 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. 64697

Well Name & No. Crumrine #1-4 Test No. 3 Date 8-5-19
 Company Val Energy Inc Elevation 3330 KB 3325 GL
 Address 125 N. Market St STE 1110 Wichita, KS 67202
 Co. Rep / Geo. Tim Priest Rig WW #10
 Location: Sec. 4 Twp 8s Rge. 36w Co. Thomas State KS

Interval Tested 4630 - 4655 Zone Tested Cherokee
 Anchor Length 25 Drill Pipe Run 4507 Mud Wt. 9.4
 Top Packer Depth 4625 Drill Collars Run 122 Vis 54
 Bottom Packer Depth 4630 Wt. Pipe Run - WL 8.8
 Total Depth 4655 Chlorides 5000 ppm System LCM 1

Blow Description IF: Blow built to 1"
ISI: No blowback
FF: No blow
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>SMCO</u>	<u>5</u>	<u>85</u>	<u>10</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 2 BHT 137 Gravity 24.8 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2377 Test 1300 T-On Location 22:50
 (B) First Initial Flow 13 Jars _____ T-Started 22:57
 (C) First Final Flow 15 Safety Joint _____ T-Open 00:14
 (D) Initial Shut-In 1094 Circ Sub _____ T-Pulled 2:33
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out 4:15
 (F) Second Final Flow 17 Mileage ~~156~~ 156 RT Lead Tools ¹⁵⁶ Comments _____
 (G) Final Shut-In 559 Sampler _____ loaded 8/6 11:30
 (H) Final Hydrostatic 2359 Straddle _____ Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 36 Day Standby _____ Total 1706
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1706

Approved By _____ Our Representative James White
 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.