

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	STA LLC 2-1
Doc ID	1431036

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
2	4636	4637			
4	4626	4629			
4	4603	4605			
4	4594	4598			
4	4523	4525			
4	4539	4541			



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# 814564

Invoice Date: 11/15/18 Terms: Net 30 Page 1

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

2-1 STA LLC

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	25.000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	25.000	214.50
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	25.000	495.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	200.000	24.0000	25.000	3,600.00

Subtotal 6,896.00
 Discounted Amount 1,724.00
 SubTotal After Discount 5,172.00

Amount Due 7,280.00 If paid after 12/15/18

Tax: 288.00
 Total: 5,460.00



PRESSURE PUMPING LLC

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

12014

11894

TICKET NUMBER 55924

LOCATION Dalley US

FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 814564

VIS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
11-12-18	8500710	2-1 STA LLC	1	8 5	36 W	Thomas	
CUSTOMER Val Energy			Brewsterks 101025				
MAILING ADDRESS 125 N. Market, Ste. 1110			4E' 15 Eink				
CITY Wichita		STATE KS	ZIP CODE 67202				
TRUCK #		DRIVER		TRUCK #		DRIVER	
753		Corey W					
70		Walt D					
703		Miles S					

JOB TYPE Surf HOLE SIZE 12 1/4" HOLE DEPTH 260' CASING SIZE & WEIGHT 8 5/8" 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 15.25 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meetings and Rig up on WW drills as per #10 Circulate casing
10:2 200 ex Surf blend II displace 15.25 bbls Shut in Cement did circulate
Cells only

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1150. ⁰⁰	1150. ⁰⁰
CE0002	40	MILEAGE	7.15	286. ⁰⁰
CE0711	9.4 TONS	Ton Mitsosadefury	660. ⁰⁰	660. ⁰⁰
1867 CE05871	200 ex	Surf blend II	24. ⁰⁰	4800. ⁰⁰
			sub total	6896. ⁰⁰
			25% disc	1724. ⁰⁰
			total	5172. ⁰⁰
			SALES TAX	288. ⁰⁰
			ESTIMATED TOTAL	5460. ⁰⁰

Ravin 3737

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#

814636

Invoice Date: 11/29/18

Terms: Net 30

Page 1

VAL ENERGY

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

STA LLC 2-1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0453	Cement Pump Charge 4001' - 5000'	1.000	2,800.0000	25.000	2,100.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	25.000	214.50
CE0710	Cement Delivery Charge	1.000	1,841.0000	25.000	1,380.75
CC5831	Lite-Weight Blend VII (60:40:8)	475.000	17.5000	25.000	6,234.38
CC5862	ThixoBlend III	125.000	26.0000	25.000	2,437.50
CC6075	Celloflake	119.000	3.0000	25.000	267.75
CC6077	Kolseal	625.000	0.5000	25.000	234.38
CC6125	Mud Flush, Viscous	500.000	0.6500	25.000	243.75
CP8254	5 1/2" Latch Down Plug & Assembly	1.000	400.0000	25.000	300.00
CP8485	5 1/2" Float Shoe, AFU	1.000	585.0000	25.000	438.75
CP8554	5 1/2" Centralizer	5.000	81.0000	25.000	303.75
CP8629	5 1/2" Basket	2.000	385.0000	25.000	577.50
CP8801	5 1/2" DV Tool	1.000	5,970.0000	25.000	4,477.50

Subtotal 25,614.00

Discounted Amount 6,403.50

SubTotal After Discount 19,210.50

Amount Due 27,268.96 If paid after 12/29/18

Tax: 1,241.22

Total: 20,451.73



PRESSURE PUMPING LLC

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

12079
11965

TICKET NUMBER 55930

LOCATION Chalco, KS

FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

INVOICE # 814636

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-21-18	P576	STA LLC 2-1	1	E S	36 W	Thomas

CUSTOMER		TRUCK #		DRIVER	
Val Energy		703	Miles S		
MAILING ADDRESS		753	Forrest W		
125N. Market, Ste. 1110		777/T-127	Walt D		
CITY		70			
Wichita					
STATE	ZIP CODE				
KS	67202				

JOB TYPE 2 Stage HOLE SIZE 7 7/8" HOLE DEPTH 4814' CASING SIZE & WEIGHT 5.5" 15.5"
 CASING DEPTH 4785' DRILL PIPE _____ TUBING _____ OTHER NO @ 2FSC'
 SLURRY WEIGHT 14.2/12.4 SLURRY VOL 1.4/1.9 WATER gal/sk _____ CEMENT LEFT in CASING 39.9'
 DISPLACEMENT 1574' DISPLACEMENT PSI 1500 MIX PSI _____ RATE _____

REMARKS: Safety Meetings and Reg. w/perm W/Well-logs R/S #10 Run in 125 Snt casing
Centralizers on Snts 1, 3, 5, 7, 9 Baskets snts 2 & 50 bottoms DU Tool on Top of Snt #50 @ 2FSC'
Circulate casing 1hr on bottom mix 1255x Three blend III Shut down clear pump & 1.5 hrs dis down
45bls and 20.25bls mud w/ 800 psi lift Plug did land & hold @ 1500 psi Drop Dart apparatus
w/ 800 psi circulate casing 1hr pump salt water mix @ 4555x Late-weight blend III w/ 7/8"
Close and Shut down Closed pump & lines released Plug displaced 6 bls water with 900 psi lift
Plug did land & hold @ 1600 psi Cement did not circulate

Mix 3050 RH

Thanks Miles & crew

Pump 500 gal mud flush before cement on bottom

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
EO453	1	PUMP CHARGE	2800. ⁰⁰	2800. ⁰⁰
EO002	40	MILEAGE	7.15	286. ⁰⁰
EO710	263 Tons	for intake delivery	1.75	460. ⁰⁰
CC5831	475 Sx	Lito-weight blend III	17.50	8312. ⁵⁰
CC5862	125 Sx	Three blend III pure cement	26. ⁰⁰	3250. ⁰⁰
CC6075	119 #	Cello Pak / P/S gel	3. ⁰⁰	357. ⁰⁰
CC6077	625 #	Wulser	1.50	937. ⁵⁰
CC6125	500 gal	Mud Flush	1.65	825. ⁰⁰
CP8254	1	5 1/2" latch down Plug & Assembly	400. ⁰⁰	400. ⁰⁰
CP8485	1	5 1/2" AFU Float shoe	585. ⁰⁰	585. ⁰⁰
CP8554	5	5 1/2" Centralizer	81. ⁰⁰	405. ⁰⁰
CP8629	2	5 1/2" Brushes	385. ⁰⁰	770. ⁰⁰
CP8801	1	5 1/2" DU tool	5970. ⁰⁰	5970. ⁰⁰
			Subtotal	25014. ⁰⁰
			less 25% discount	6403. ⁵⁰
			Subtotal	19210. ⁵⁰
			SALES TAX	1241. ²²
			ESTIMATED TOTAL	20451. ⁷³

Ravin 3737

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.

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

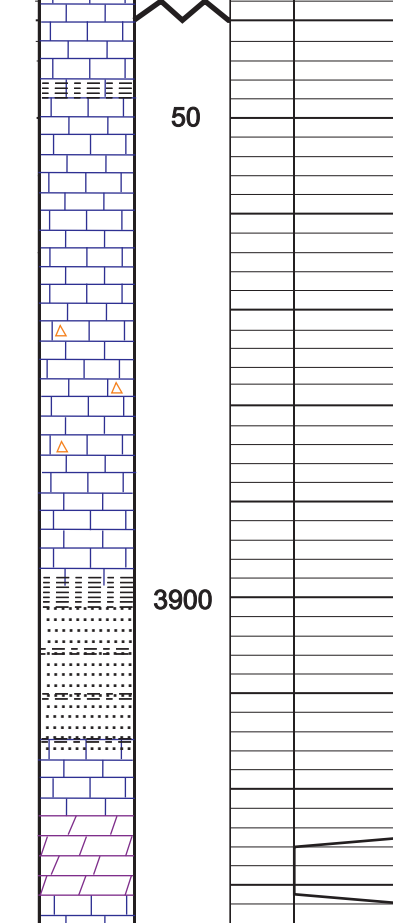
COMPANY **VTA LLC #2-1**
 LEASE **STA ILLC #2-1**
 FIELD **2151' FSL, 633' FWL**
 LOCATION **1 TMSB, 8S, R0E, 36W**
 SEC **1 TMSB, 8S, R0E, 36W**
 COUNTY **Thomas** STATE **Kansas**
 CONTRACTOR **WW Drilling, Rig #10**
 SPUD **11-12-18** COMP **11-20-18**
 RTD **4814'** LTD **4813'**
 MUD UP **3500'** TYPE MUD **Chemical**
 SAMPLES SAVED FROM **3800'** to RTD
 DRILLING TIME KEPT FROM **3800'** to RTD
 SAMPLES EXAMINED FROM **3800'** to RTD
 GEOLOGICAL SUPERVISION FROM 4000' to RTD
 GEOLOGIST ON WELL **Tim Priest**

CONDUCTIVITY **N/A**
 CASING **N/A**
 SURFACE **8.5-8" @ 260'**
 PRODUCTION **3-1/2" @ 4813'**

Measurements Are All From **KB**

FORMATION TOPS

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2823 (-459)	2822 (+460)
Heebner Shale	4054 (-774)	4056 (-774)
Austin	4100 (-818)	4100 (-818)
Stark	4309 (-1027)	4312 (-1020)
Marmaton	4404 (-1122)	4405 (-1123)
Fort Scott	4551 (-1269)	4551 (-1269)
Cherokee Shale	4585 (-1303)	4588 (-1306)
Mississippian	4762 (-1480)	4764 (-1482)



REMARKS It was decided to set production casing to further test the well.

Respectfully Submitted,

API #15-193-21035 Tim Priest
 Petroleum Geologist

By: Pioneer Energy Service

ELECTRICAL SURVEYS CND/D/SP: Micro

DRILLING TIME AND SAMPLE LOG

DEPTH

LITHOLOGY

DRILLING TIME IN MINUTES PER FOOT
 Rate of Penetration Decreases

LEGEND

Anyhydrite Sandstone Limestone Shale Carb Sh Cherty LS Chert Dolomite

SAMPLE DESCRIPTION

REMARKS

2825

Base/ Anhydrite 2854 (+428)

50

3900

50

4000

50

4100

4100 (-818)

50

4200

50

4300

4312 (-1020)

50

4400

4405 (-1123)

50

4500

4551 (-1269)

50

4600

4588 (-1306)

50

4700

4800

Total Depth 4814' (-1532)

4814' (-1532)

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

1/8s/36w Thomas KS
Stallc #2-1
Job Ticket: 64641 **DST#: 1**
Test Start: 2018.11.17 @ 18:07:00

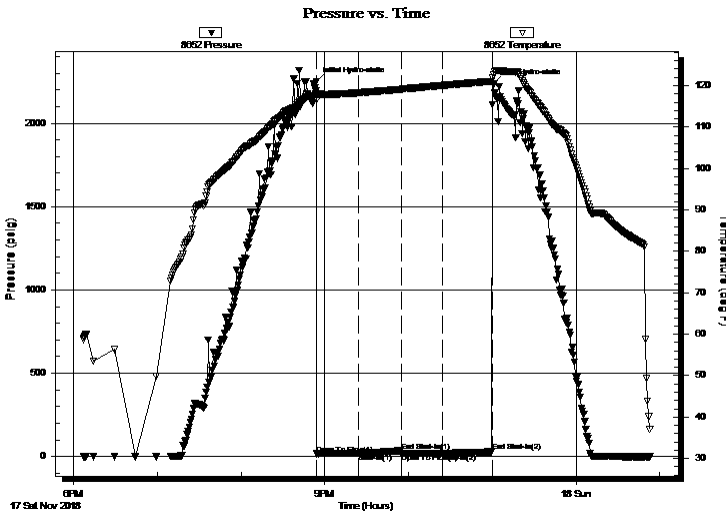
GENERAL INFORMATION:

Formation: **Marmaton A - C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:54:15 Tester: James Winder/ Ryan N
 Time Test Ended: 00:53:15 Unit No: 83
 Interval: **4371.00 ft (KB) To 4475.00 ft (KB) (TVD)** Reference Elevations: 3282.00 ft (KB)
 Total Depth: 4475.00 ft (KB) (TVD) 3277.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 19.45 psig @ 4372.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.11.17 End Date: 2018.11.18 Last Calib.: 2018.11.18
 Start Time: 18:07:05 End Time: 00:53:14 Time On Btm: 2018.11.17 @ 20:54:00
 Time Off Btm: 2018.11.17 @ 23:01:00

TEST COMMENT: 30 - IF: Blow built to 1 1/2"
 30 - IS: No blow back
 30 - FF: No blow
 30 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.40	118.08	Initial Hydro-static
1	15.50	116.64	Open To Flow (1)
31	18.76	118.26	Shut-In(1)
61	33.93	119.11	End Shut-In(1)
61	18.42	119.11	Open To Flow (2)
91	19.45	120.02	Shut-In(2)
126	28.51	121.03	End Shut-In(2)
127	2235.01	122.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w /Oil spots 99%m, 1%o	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

1/8s/36w Thomas KS

125 N Market St. STE 1110
Wichita, KS 67202

Stallc #2-1

Job Ticket: 64641

DST#: 1

ATTN: Tim Priest

Test Start: 2018.11.17 @ 18:07:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	Mud w /Oil spots 99% _m , 1% _o	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

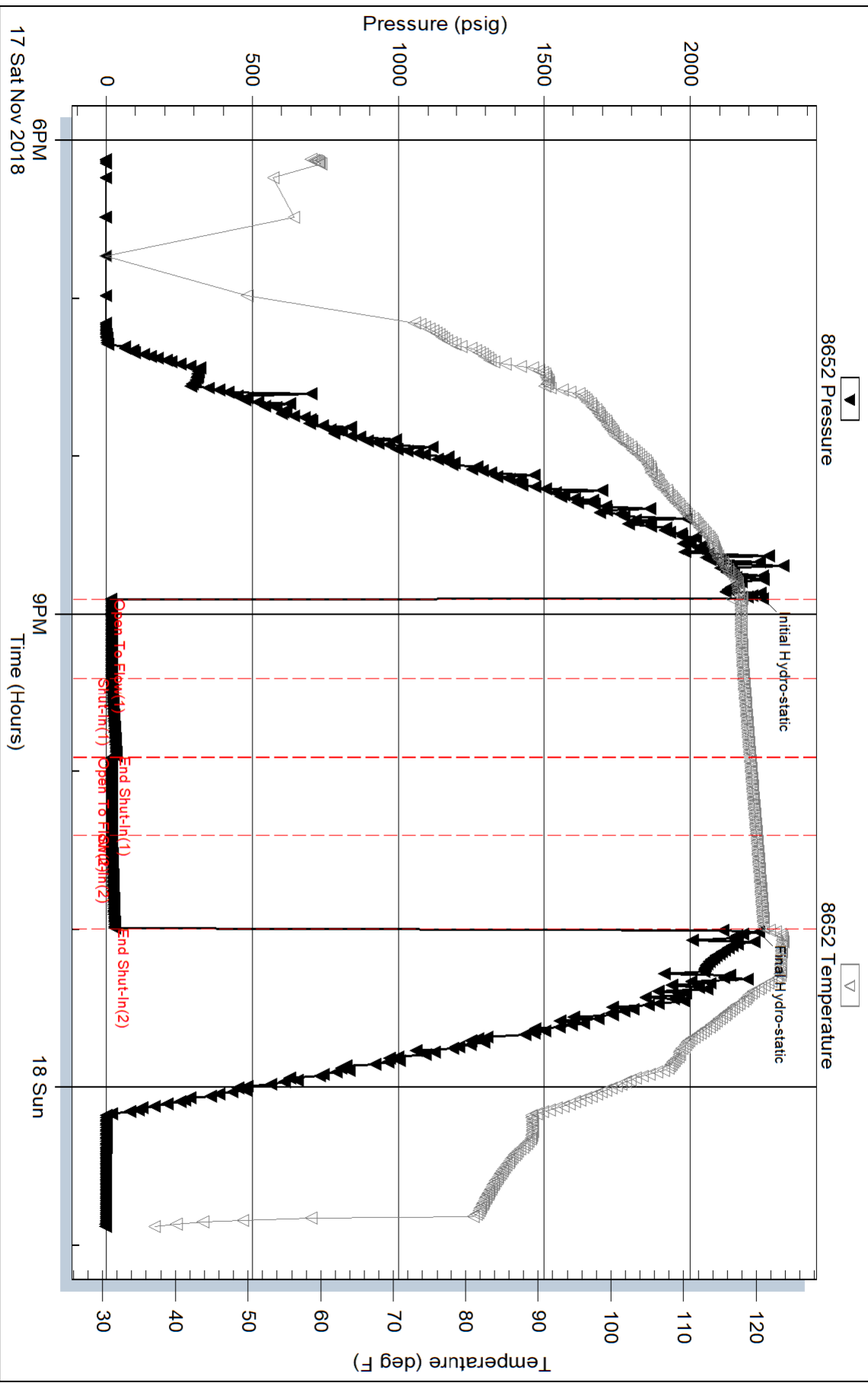
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



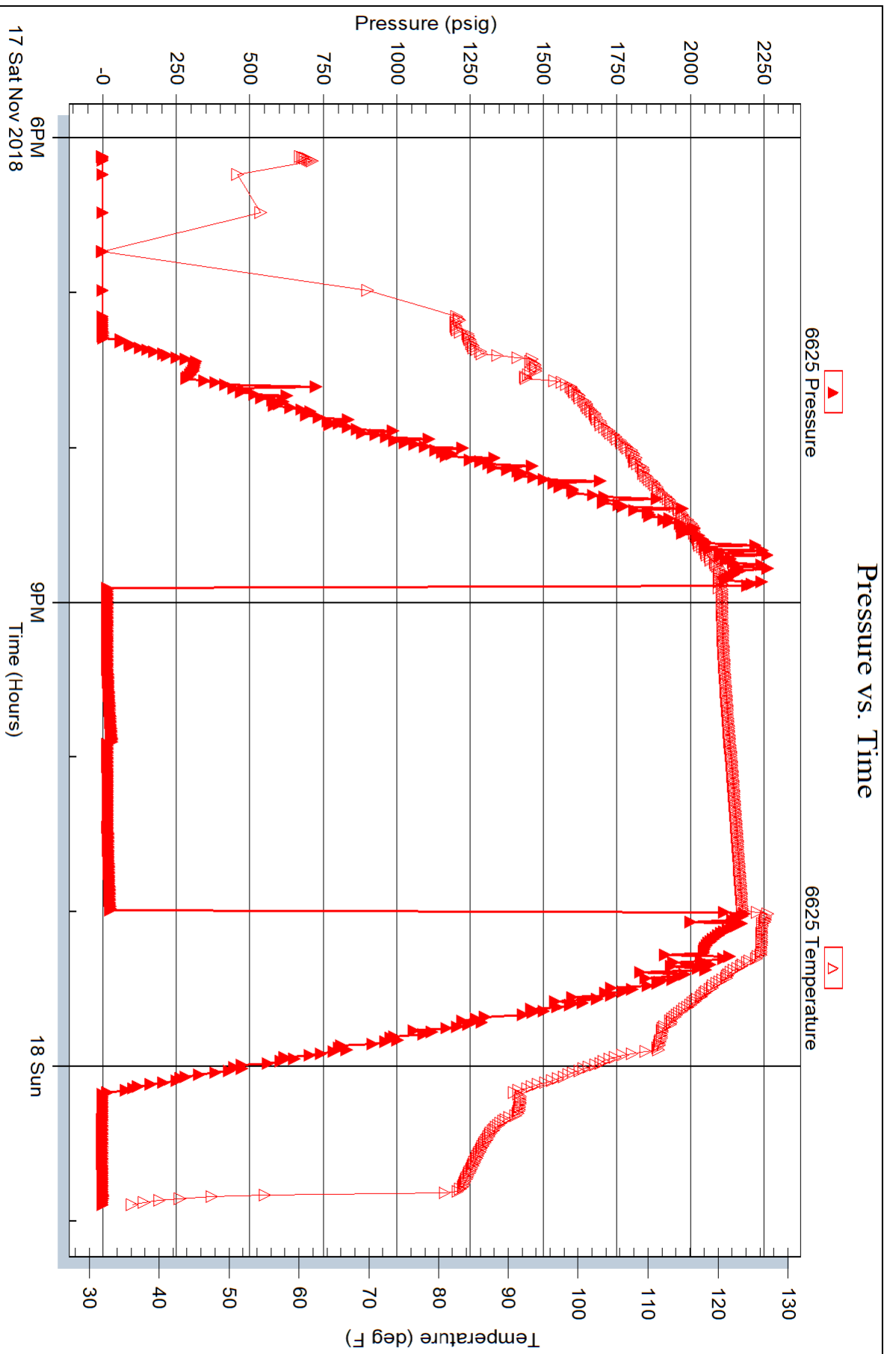
Serial #: 6625

Inside

Val Energy Inc.

Stall #2-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64641

Printed: 2018.11.18 @ 07:17:54



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

1/8s/36w Thomas KS

125 N Market St. STE 1110
Wichita, KS 67202

Stallc #2-1

Job Ticket: 64642

DST#: 2

ATTN: Tim Priest

Test Start: 2018.11.18 @ 09:32:00

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:

30000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
117.00	MCW w/trace oil - 79%W - 21%M	0.575
78.00	WM w/trace oil - 56%M - 44%W	1.094

Total Length: 195.00 ft Total Volume: 1.669 bbl

Num Fluid Samples: 0

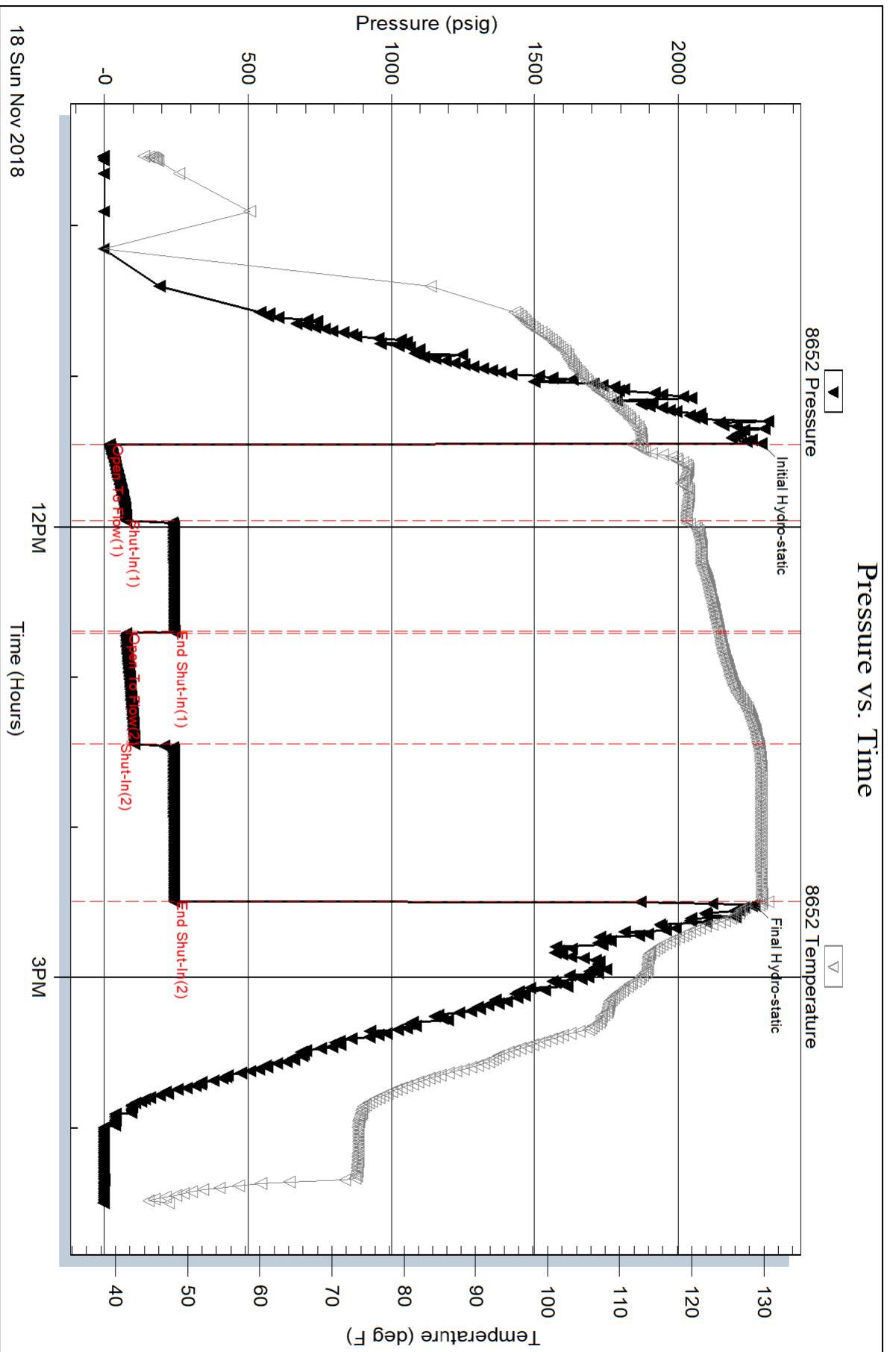
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .348 ohms @ 49 deg F Chlorides = 30,000 ppm



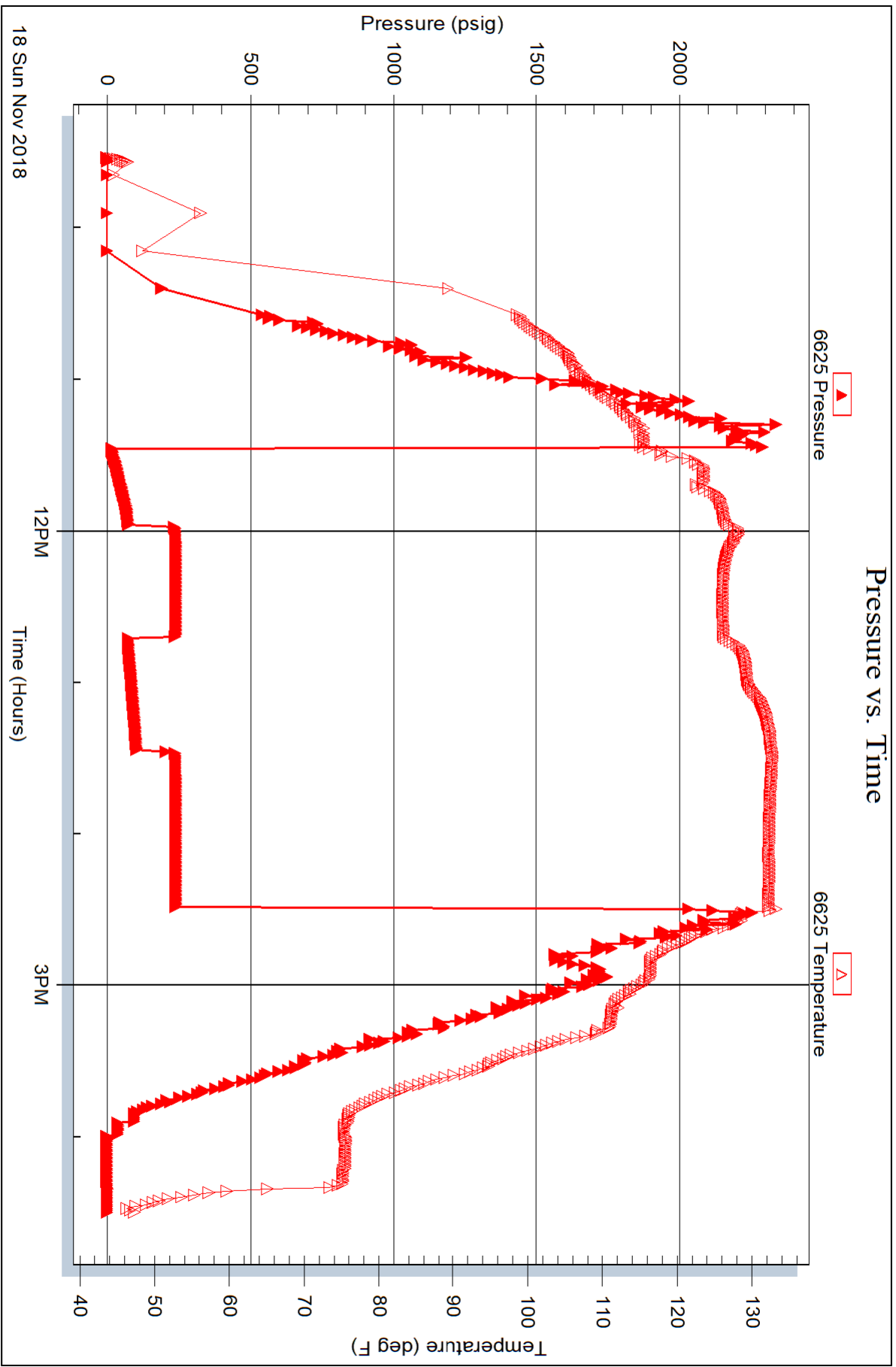
Serial #: 6625

Inside

Val Energy Inc.

Stallc #2-1

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

1/8s/36w Thomas KS

125 N Market St. STE 1110
Wichita, KS 67202

Stallc #2-1

Job Ticket: 64643

DST#: 3

ATTN: Tim Priest

Test Start: 2018.11.19 @ 06:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

27000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	SO/ WM 53%m, 40%w, 4%o, 3%g	0.443
5.00	MCO 90%o, 10%m	0.025

Total Length: 95.00 ft Total Volume: 0.468 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

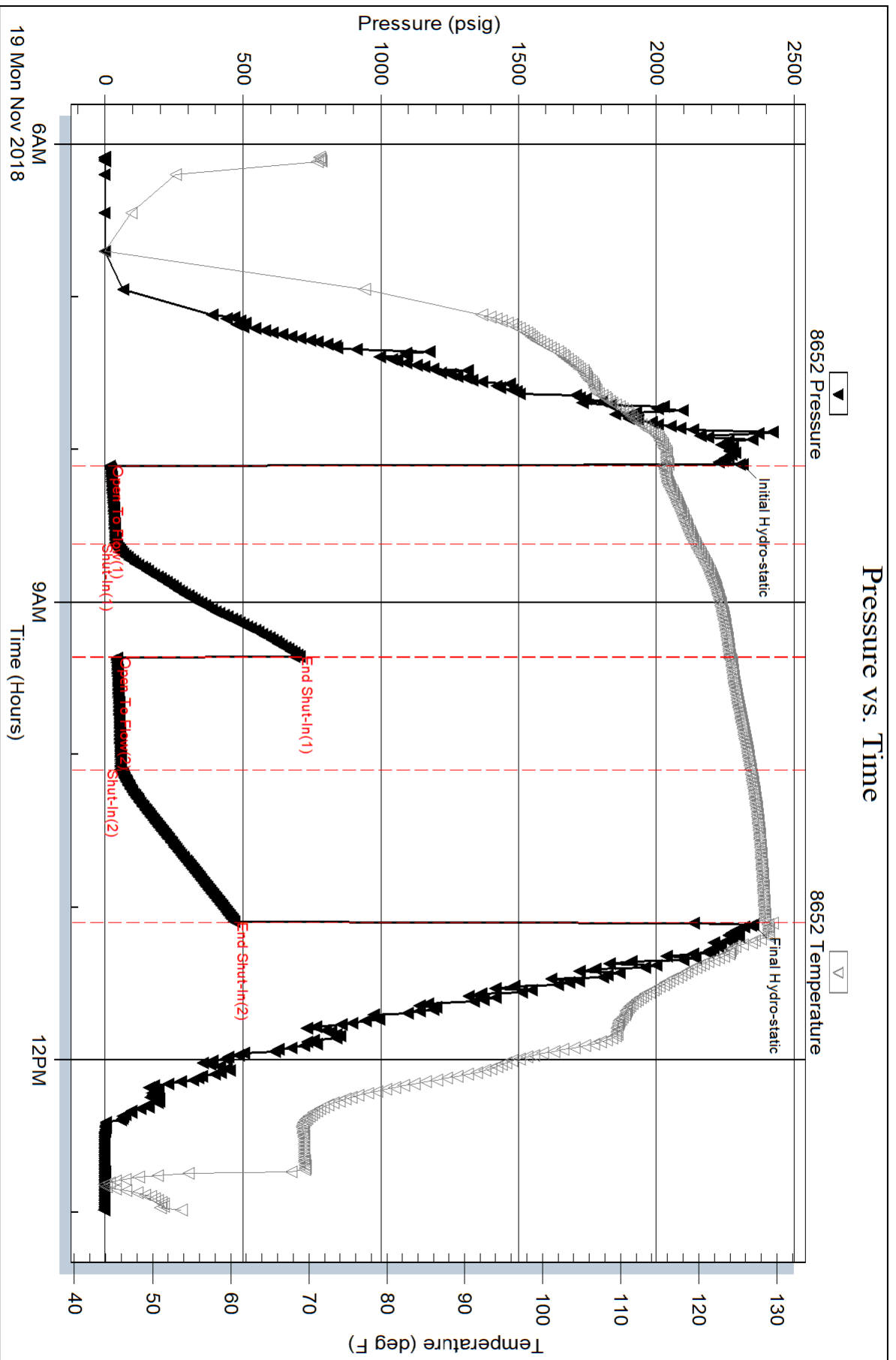
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 37 api @ 50 deg F Corrected Gravity = 38 api

RW = .354 ohms @ 51.6 deg F Chlorides = 27,000 ppm

Pressure vs. Time



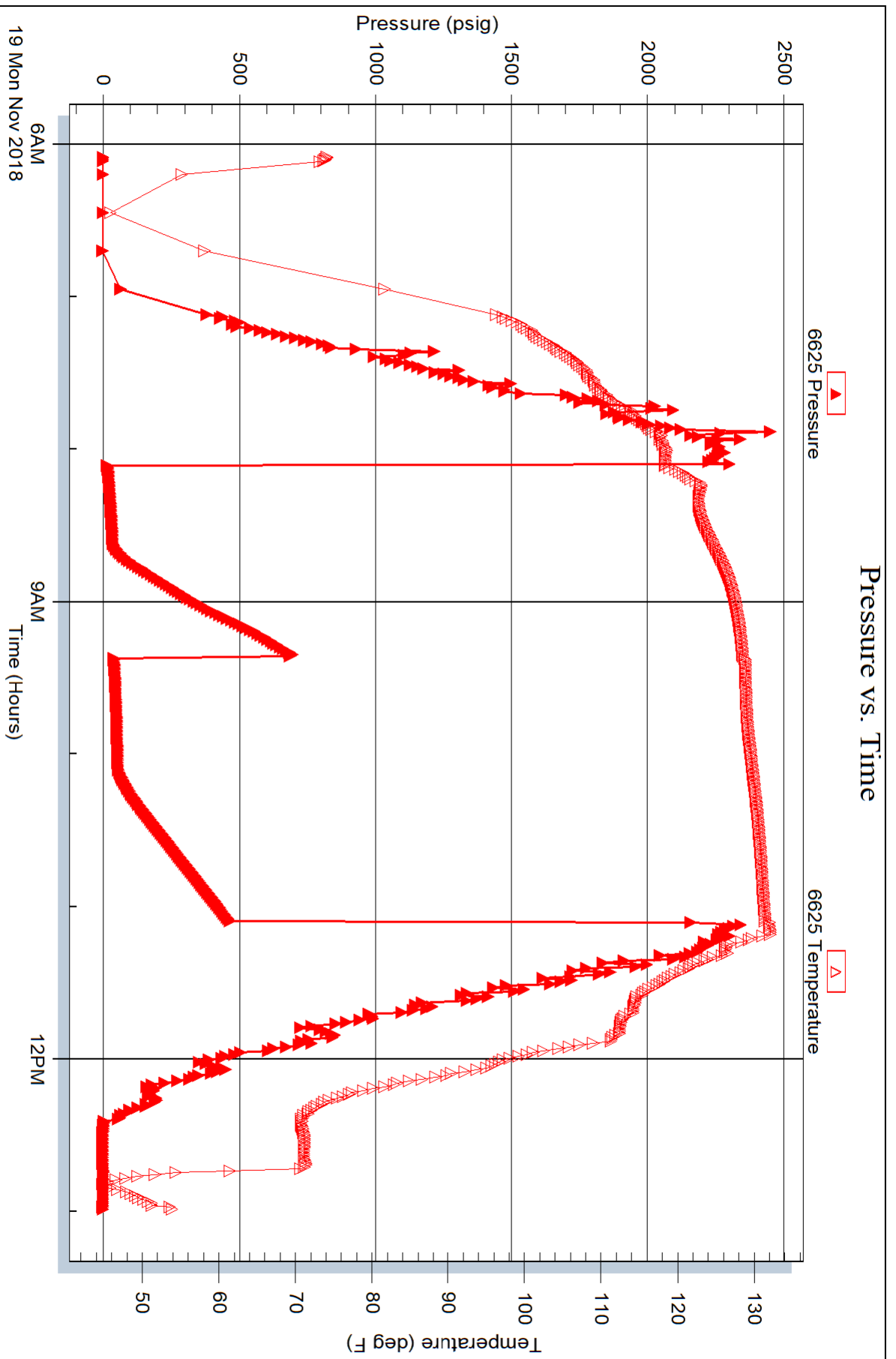
Serial #: 6625

Inside

Val Energy Inc.

Stallc #2-1

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

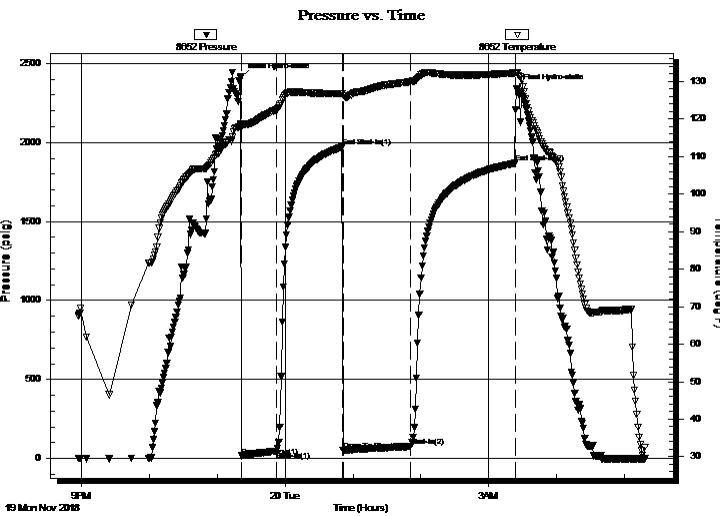
1/8s/36w Thomas KS
Stallc #2-1
Job Ticket: 64644 **DST#: 4**
Test Start: 2018.11.19 @ 20:57:00

GENERAL INFORMATION:

Formation: **Cherokee - Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:21:00
Time Test Ended: 05:19:00
Interval: **4607.00 ft (KB) To 4642.00 ft (KB) (TVD)**
Total Depth: 4642.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder/ Ryan N
Unit No: 83
Reference Elevations: 3282.00 ft (KB)
3277.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
Press@RunDepth: 74.61 psig @ 4608.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.11.19 End Date: 2018.11.20 Last Calib.: 2018.11.20
Start Time: 20:57:05 End Time: 05:18:59 Time On Btm: 2018.11.19 @ 23:20:45
Time Off Btm: 2018.11.20 @ 03:25:00

TEST COMMENT: 30 - IF - Blow built to 6"
60 - ISI - Blow back built to 1/2"
60 - FF - Blow built to 6 1/4"
90 - FSI - Surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2413.26	118.63	Initial Hydro-static
1	15.03	117.61	Open To Flow (1)
32	46.24	122.38	Shut-In(1)
90	1970.56	126.85	End Shut-In(1)
91	50.80	126.21	Open To Flow (2)
151	74.61	129.94	Shut-In(2)
243	1869.17	132.24	End Shut-In(2)
245	2342.47	132.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 70%o, 20%o, 10%g	0.30
121.00	CGO 73%o, 23%g	1.18

* 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 Inc.

1/8s/36w Thomas KS

125 N Market St. STE 1110
Wichita, KS 67202

Stallc #2-1

Job Ticket: 64644

DST#: 4

ATTN: Tim Priest

Test Start: 2018.11.19 @ 20:57:00

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: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 70% _m , 20% _o , 10% _g	0.295
121.00	CGO 73% _o , 23% _g	1.178

Total Length: 181.00 ft Total Volume: 1.473 bbl

Num Fluid Samples: 0

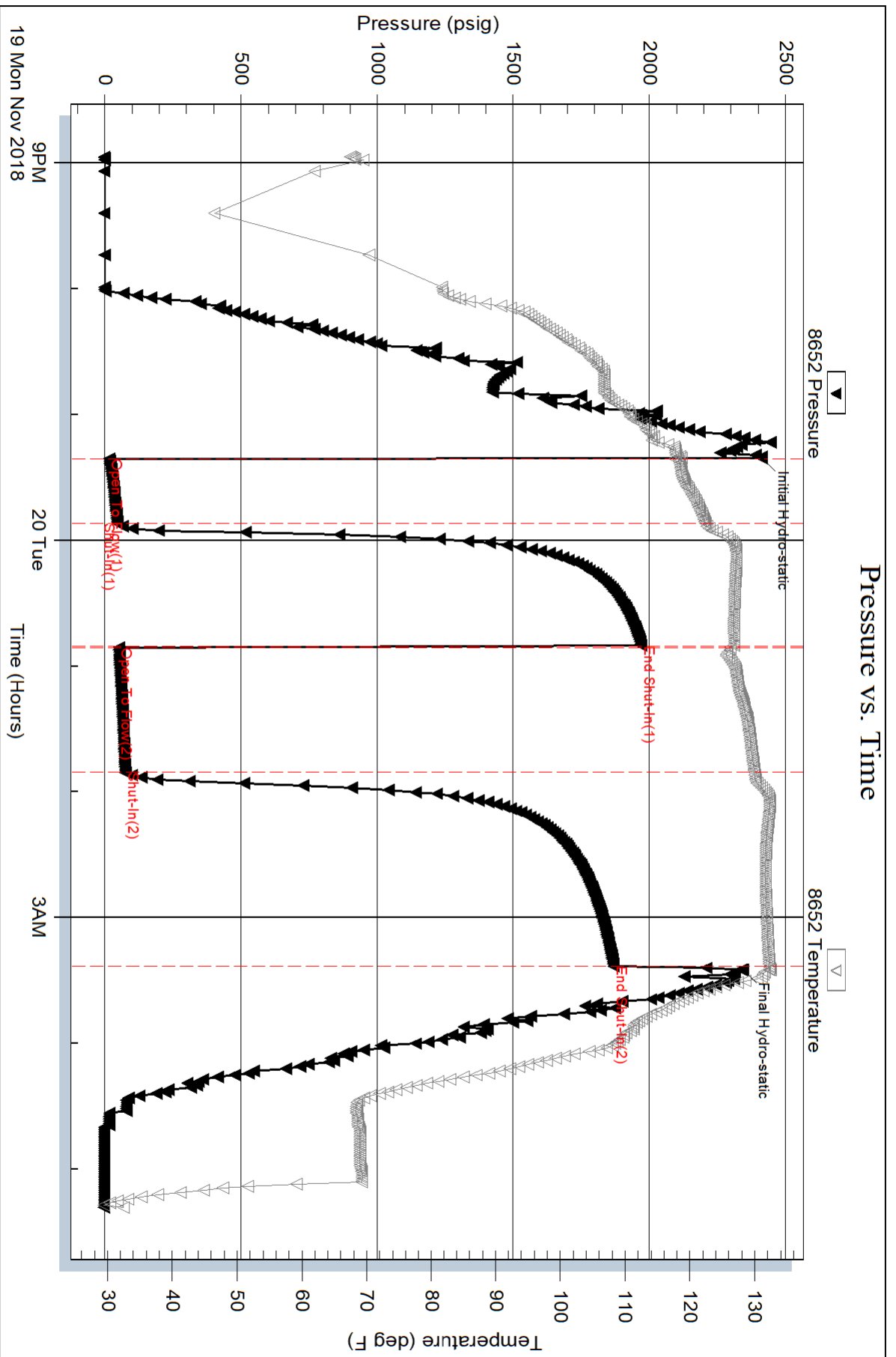
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity was too low to measure



Serial #: 6625

Inside

Val Energy Inc.

Stallc #2-1

DST Test Number: 4

