

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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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Val Energy, Inc
LEASE Quaker Unit 1-3
FIELD Whitetail, 20577 FWL
LOCATION 236 FNL, 20577 FWL
SEC 3 T15SP 8S R0E 37W
COUNTY Sherman STATE Kansas

ELEVATIONS
KB 3478'
DF _____
GL 3473'
 Measurements Are All From KB

CONTRACTOR WW Drilling, Rig #10
SPUD 12-6-18 **COMP** 12-16-18
RTD 5040' **LTD** 5038'
MUD UP 3600' **TYPE MUD** Chemical
SAMPLES SAVED FROM 4000' to RTD
DRILLING TIME KEPT FROM 4000' to RTD
SAMPLES EXAMINED FROM 4000' to RTD
GEOLOGICAL SUPERVISION FROM 4000' to RTD
GEOLOGIST ON WELL Tim Priest

CASINGS
CONDUCTION N/A
SURFACE 8.5" @ 347'
PRODUCTION None

ELECTRICAL SURVEYS
CND/D/SP/P/E
Micro

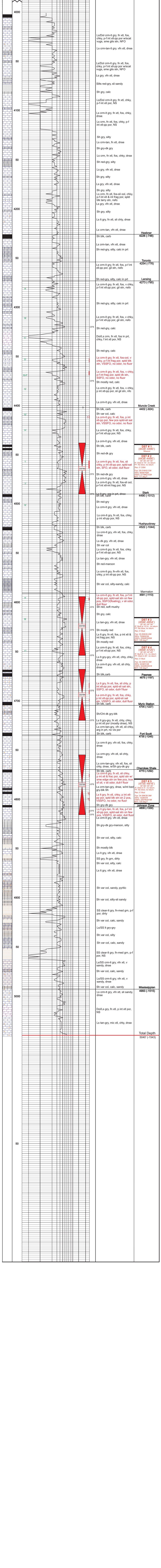
FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	3012 (-466)	3015 (-463)
Heebner Shale	4220 (-742)	4226 (-748)
Austin	4270 (-792)	4273 (-795)
Stark	4488 (-1010)	4490 (-1012)
Marraton	4591 (-1113)	4591 (-1113)
Fort Scott	4734 (-1256)	4735 (-1257)
Cherokee Shale	4770 (-1292)	4770 (-1292)
Mississippian	4991 (-1513)	4993 (-1515)



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

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-181-20617-00-00





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

3-8-37 Sherman Co KS

Quenzer Unit 1-3

Job Ticket: 64291 **DST#: 1**

Test Start: 2018.12.11 @ 01:37:15

GENERAL INFORMATION:

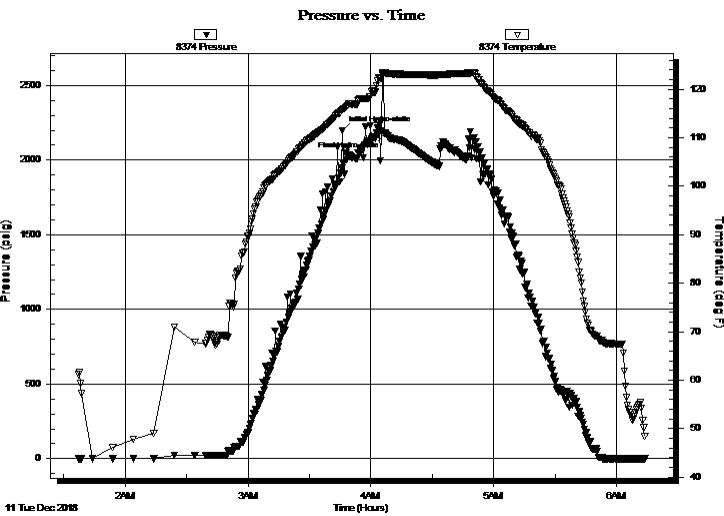
Formation: **I-J**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: Tester: **Mike Roberts**
 Time Test Ended: **06:14:00** Unit No: **81**
Interval: 4438.00 ft (KB) To 4490.00 ft (KB) (TVD) Reference Elevations: **3478.00 ft (KB)**
 Total Depth: **4490.00 ft (KB) (TVD)** **3473.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 8374

Inside

Press@RunDepth: **psig @ 4475.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2018.12.11** End Date: **2018.12.11** Last Calib.: **2018.12.12**
 Start Time: **01:37:15** End Time: **06:14:00** Time On Btm: **2018.12.11 @ 03:46:15**
 Time Off Btm: **2018.12.11 @ 04:07:00**

TEST COMMENT: **IF: HIT BRIDGE 75 FT From bottom**
IS:
FF:
FS:



PRESSURE SUMMARY

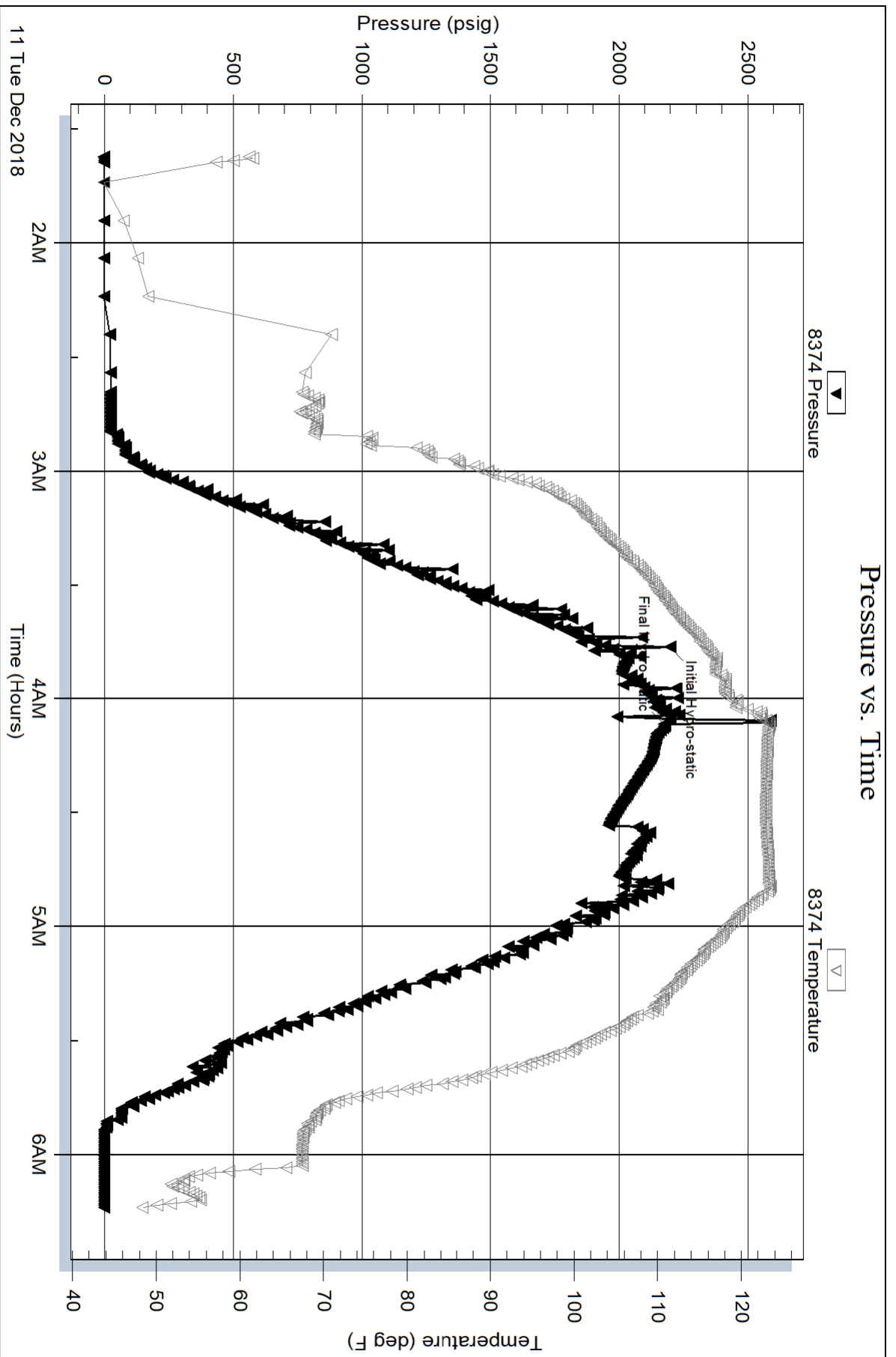
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.83	115.79	Initial Hydro-static
21	2179.99	123.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

3-8-37 Sherman Co KS

Quenzer Unit 1-3

Job Ticket: 64292

DST#: 2

Test Start: 2018.12.12 @ 13:02:15

GENERAL INFORMATION:

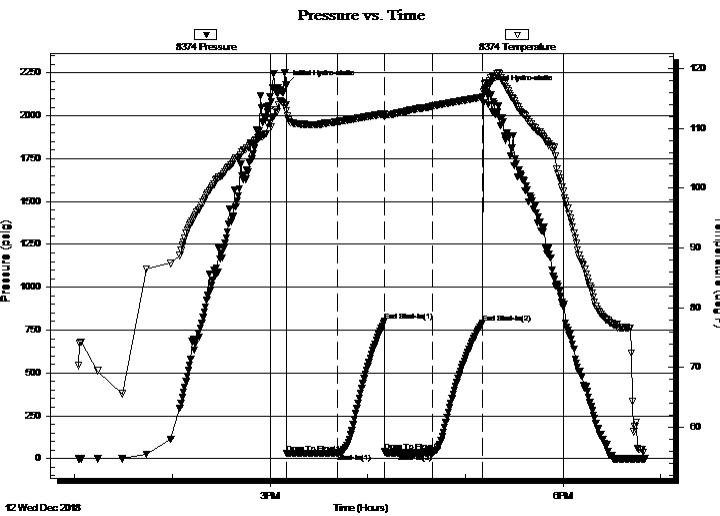
Formation: **I-J**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **15:10:00** Tester: **Mike Roberts**
 Time Test Ended: **18:50:15** Unit No: **81**
Interval: 4438.00 ft (KB) To 4490.00 ft (KB) (TVD) Reference Elevations: **3478.00 ft (KB)**
 Total Depth: **4490.00 ft (KB) (TVD)** **3473.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 8374

Inside

Press@RunDepth: **33.07 psig @ 4475.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2018.12.12** End Date: **2018.12.12** Last Calib.: **2018.12.12**
 Start Time: **13:02:15** End Time: **18:50:15** Time On Btm: **2018.12.12 @ 15:09:45**
 Time Off Btm: **2018.12.12 @ 17:12:00**

TEST COMMENT: IF: Built to 1/8" blow and died in 10 min.
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.48	113.99	Initial Hydro-static
1	29.64	112.98	Open To Flow (1)
32	31.84	111.11	Shut-In(1)
61	800.92	112.45	End Shut-In(1)
61	42.11	111.98	Open To Flow (2)
90	33.07	113.71	Shut-In(2)
121	792.48	115.23	End Shut-In(2)
123	2153.51	117.39	Final Hydro-static

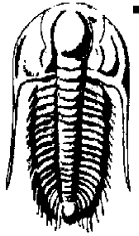
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

3-8-37 Sherman Co KS
Quenzer Unit 1-3
Job Ticket: 64292 **DST#: 2**
Test Start: 2018.12.12 @ 13:02:15

GENERAL INFORMATION:

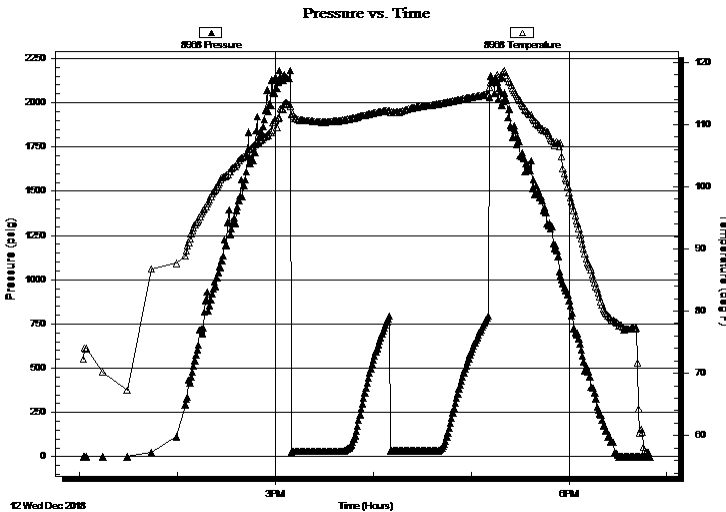
Formation: **I-J**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 15:10:00 Tester: Mike Roberts
Time Test Ended: 18:50:15 Unit No: 81
Interval: 4438.00 ft (KB) To 4490.00 ft (KB) (TVD) Reference Elevations: 3478.00 ft (KB)
Total Depth: 4490.00 ft (KB) (TVD) 3473.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8968 Outside

Press@RunDepth: psig @ 4475.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.12.12 End Date: 2018.12.12 Last Calib.: 2018.12.12
Start Time: 13:02:15 End Time: 18:50:00 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Built to 1/8" blow and died in 10 min.
IS: No return blow
FF: No blow
FS: No return blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots 100%m	0.02

* 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.

3-8-37 Sherman Co KS

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

Quenzer Unit 1-3

Job Ticket: 64292

DST#: 2

Test Start: 2018.12.12 @ 13:02:15

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

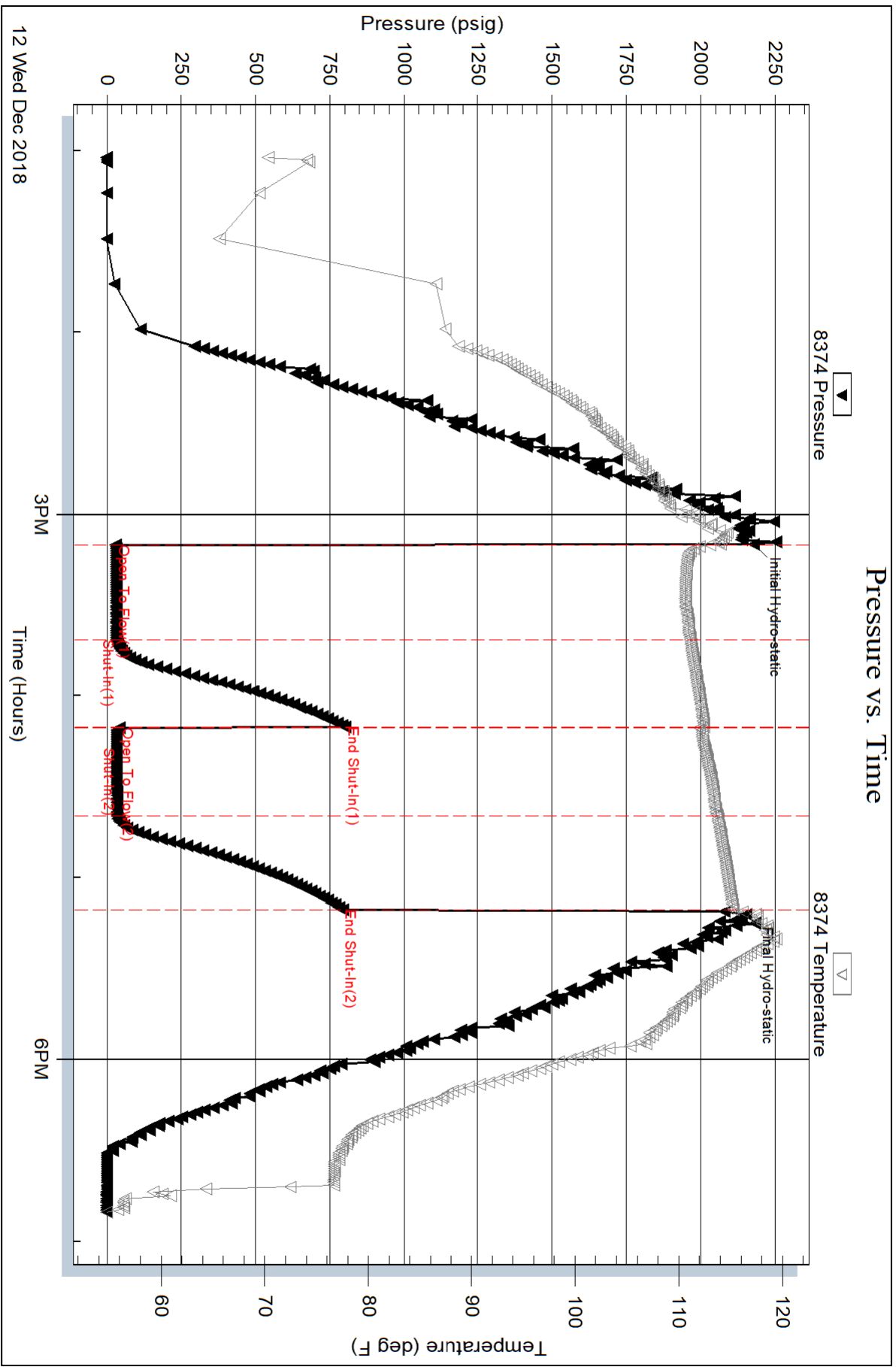
Num Gas Bombs: 0

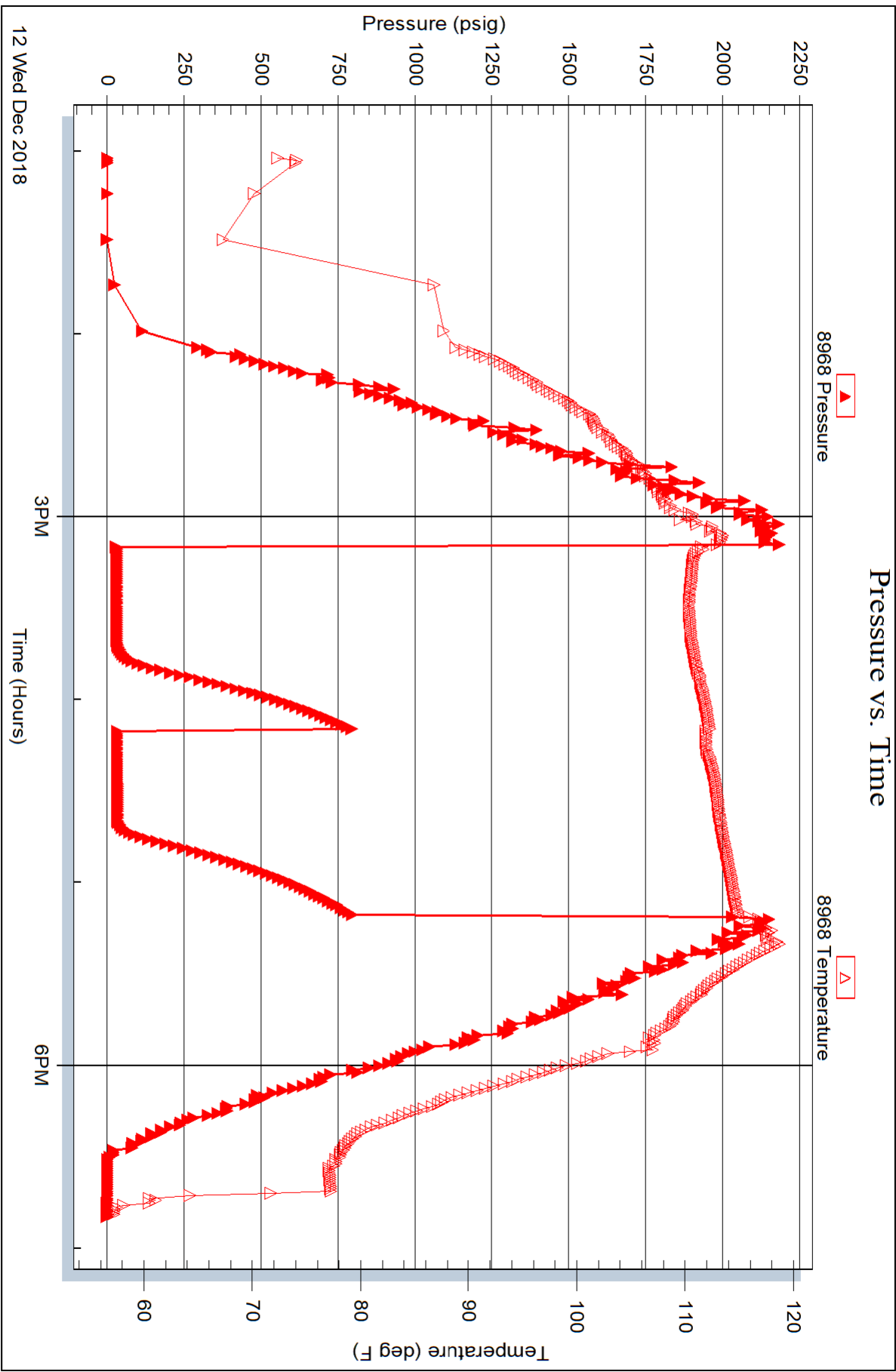
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

3-8-37 Sherman Co KS

Quenzer Unit 1-3

Job Ticket: 64293

DST#: 3

Test Start: 2018.12.13 @ 15:23:15

GENERAL INFORMATION:

Formation: **Marmaton A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:24:15

Time Test Ended: 21:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **4594.00 ft (KB) To 4654.00 ft (KB) (TVD)**

Reference Elevations: 3478.00 ft (KB)

Total Depth: 4654.00 ft (KB) (TVD)

3473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8374

Inside

Press@RunDepth: 40.31 psig @ 4634.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.13

End Date:

2018.12.13

Last Calib.: 2018.12.13

Start Time: 15:23:15

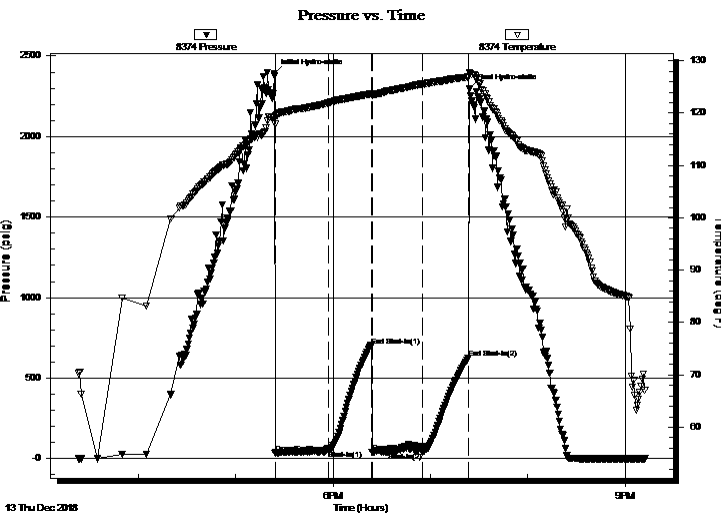
End Time:

21:12:15

Time On Btm: 2018.12.13 @ 17:23:45

Time Off Btm: 2018.12.13 @ 19:24:00

TEST COMMENT: IF: Built to 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	2392.21	119.08	Initial Hydro-static
1	35.18	117.91	Open To Flow (1)
34	50.10	121.95	Shut-In(1)
60	700.39	123.69	End Shut-In(1)
61	40.36	123.49	Open To Flow (2)
92	40.31	125.53	Shut-In(2)
120	623.78	126.89	End Shut-In(2)
121	2295.47	127.78	Final Hydro-static

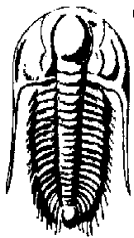
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100 % m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Val Energy Inc.

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

3-8-37 Sherman Co KS

Quenzer Unit 1-3

Job Ticket: 64293 **DST#: 3**
Test Start: 2018.12.13 @ 15:23:15

GENERAL INFORMATION:

Formation: **Marmaton A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:24:15

Time Test Ended: 21:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4594.00 ft (KB) To 4654.00 ft (KB) (TVD)

Total Depth: 4654.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3478.00 ft (KB)

3473.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8968 Outside

Press@RunDepth: psig @ 4634.00 ft (KB)

Start Date: 2018.12.13 End Date: 2018.12.13

Start Time: 15:23:15 End Time: 21:12:15

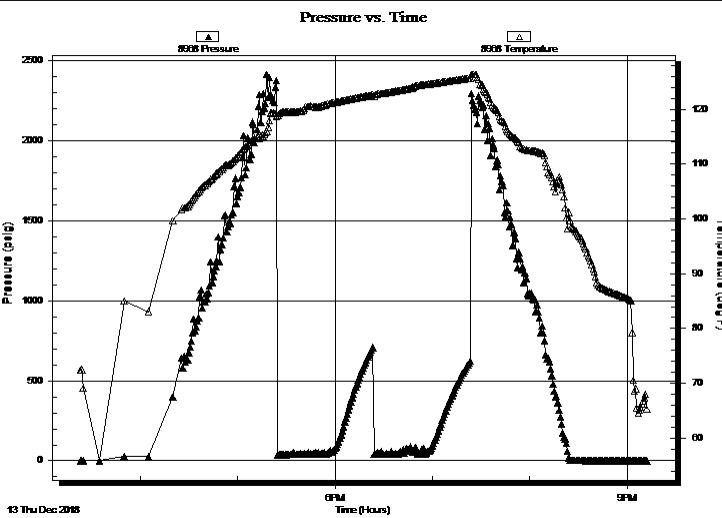
Capacity: 8000.00 psig

Last Calib.: 2018.12.13

Time On Btm:

Time Off Btm:

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



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100 % m	0.02

* 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.

3-8-37 Sherman Co KS

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

Quenzer Unit 1-3

Job Ticket: 64293

DST#: 3

Test Start: 2018.12.13 @ 15:23:15

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: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 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
5.00	mud 100 % m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

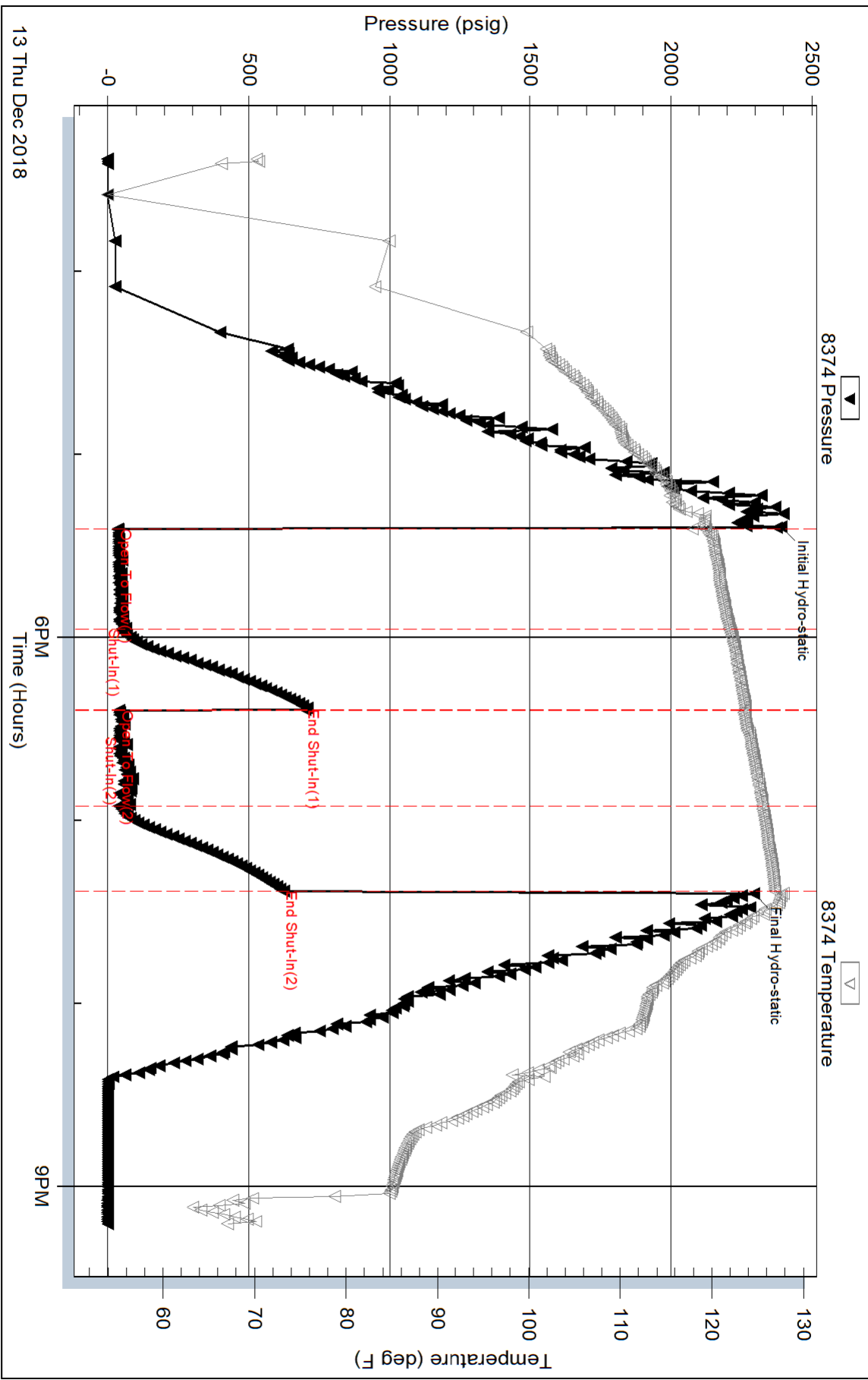
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



13 Thu Dec 2018

6PM
Time (Hours)

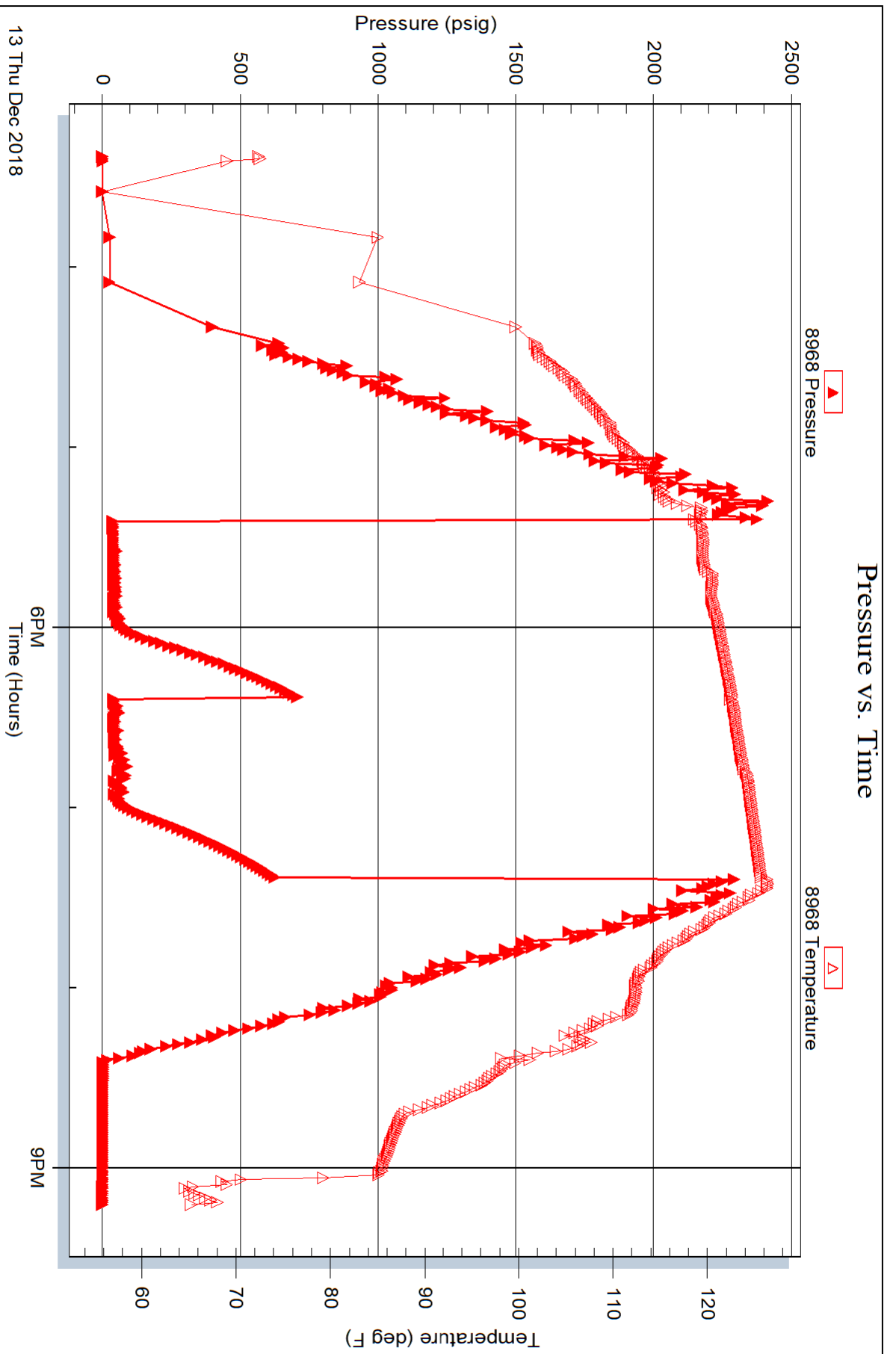
9PM

Serial #: 8968

Outside Val Energy Inc.

Quenzer Unit 1-3

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64293

Printed: 2018.12.14 @ 07:32:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

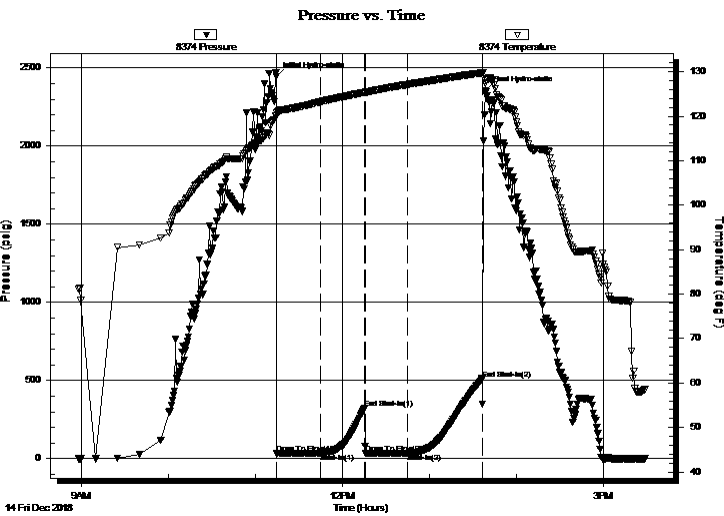
3-8-37 Sherman, KS
Quenzer Unit 1-3
 Job Ticket: 64294 **DST#: 4**
 Test Start: 2018.12.14 @ 08:58:15

GENERAL INFORMATION:

Formation: **Pawnee- Myric Statio**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:14:45
 Time Test Ended: 15:28:45
 Interval: **4668.00 ft (KB) To 4720.00 ft (KB) (TVD)**
 Total Depth: 4720.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 3478.00 ft (KB)
 3473.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8374 Inside
 Press@RunDepth: 35.54 psig @ 4705.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.12.14 End Date: 2018.12.14 Last Calib.: 2018.12.14
 Start Time: 08:58:15 End Time: 15:28:45 Time On Btm: 2018.12.14 @ 11:14:30
 Time Off Btm: 2018.12.14 @ 13:38:30

TEST COMMENT: IF: Built to 1 1/2" blow
 IS: No return blow
 FF: Built to weak surface blow and died in 20 min
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2442.35	120.81	Initial Hydro-static
1	32.39	120.13	Open To Flow (1)
31	33.73	123.28	Shut-In(1)
61	323.58	125.37	End Shut-In(1)
62	33.98	125.33	Open To Flow (2)
91	35.54	127.14	Shut-In(2)
142	512.06	129.75	End Shut-In(2)
144	2351.86	127.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

* 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.

3-8-37 Sherman,KS

125 N Market St. STE 1110
Wichita KS 67202

Quenzer Unit 1-3

Job Ticket: 64294

DST#: 4

ATTN: Tim Priest

Test Start: 2018.12.14 @ 08:58:15

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 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
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

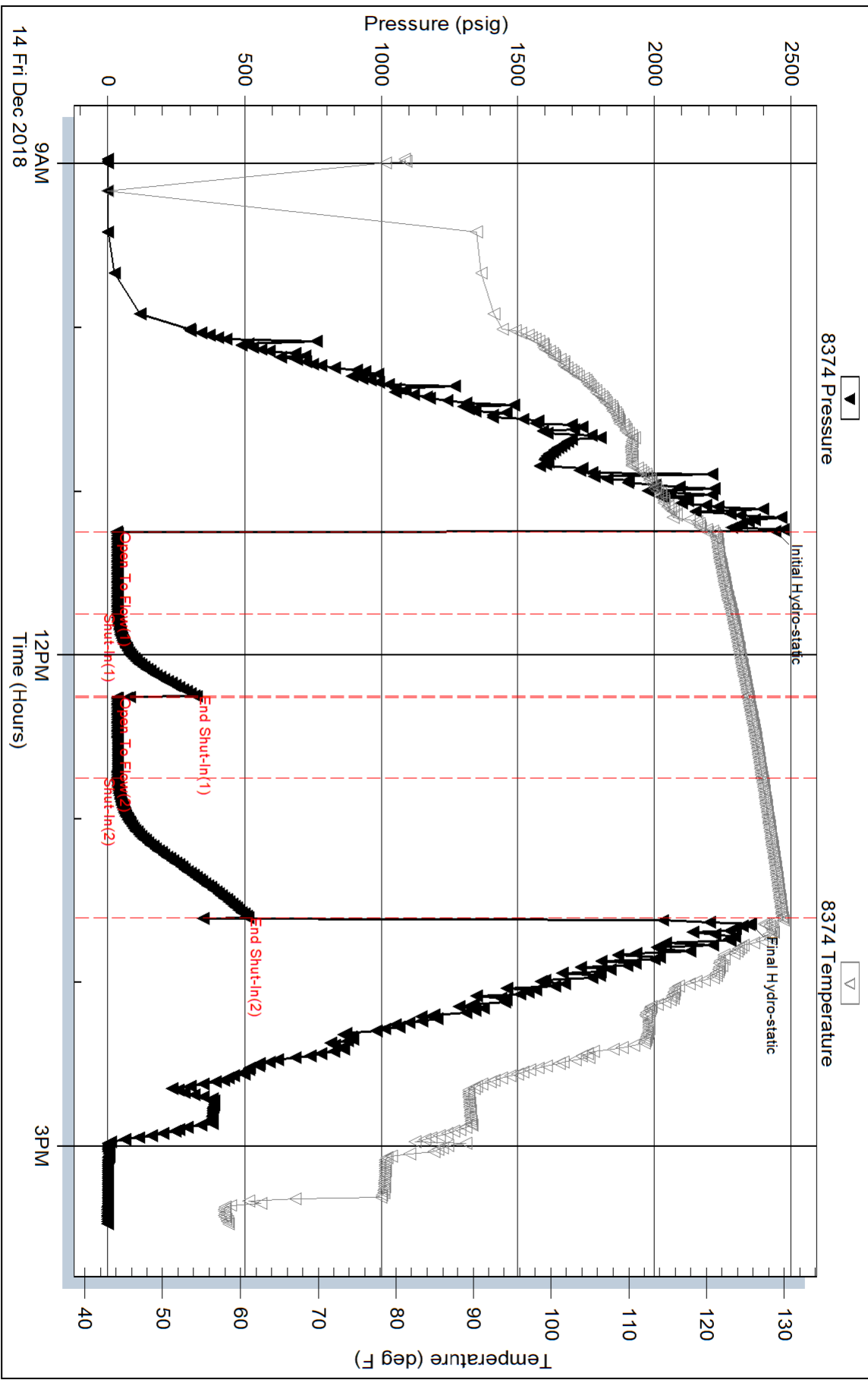
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

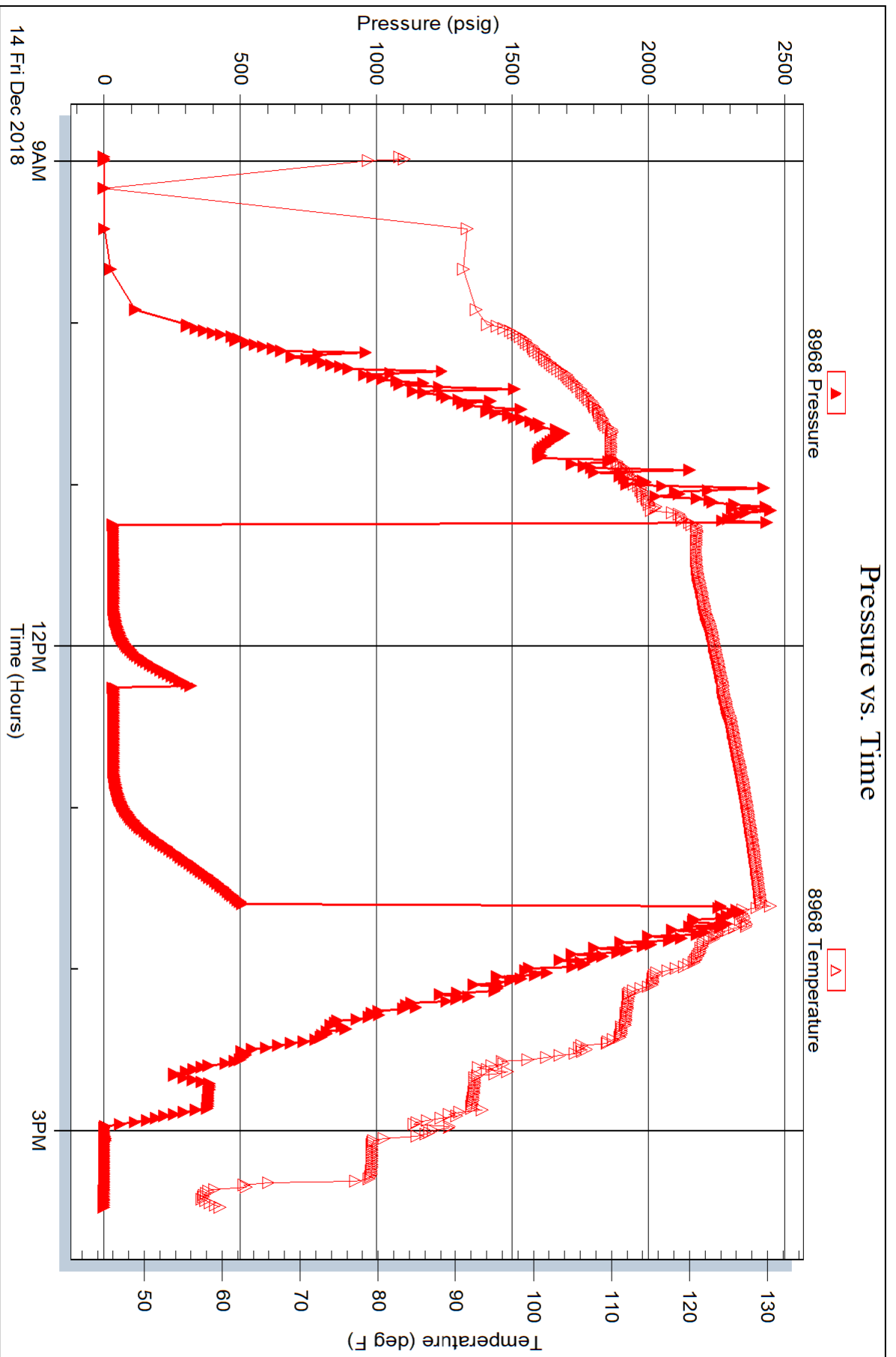


Serial #: 8968

Outside Val Energy Inc.

Quenzer Unit 1-3

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

3-8-37 Sherman Co KS

Quenzer Unit 1-3

Job Ticket: 64295 **DST#: 5**
Test Start: 2018.12.15 @ 05:30:15

GENERAL INFORMATION:

Formation: **Cherokee- Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:52:00

Time Test Ended: 12:06:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4755.00 ft (KB) To 4816.00 ft (KB) (TVD)

Total Depth: 4816.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3478.00 ft (KB)

3473.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8374

Inside

Press@RunDepth: 36.33 psig @ 4791.00 ft (KB)

Start Date: 2018.12.15

End Date:

2018.12.15

Start Time: 06:11:00

End Time:

12:47:15

Capacity: 8000.00 psig

Last Calib.: 2018.12.15

Time On Btm: 2018.12.15 @ 08:32:30

Time Off Btm: 2018.12.15 @ 11:01:45

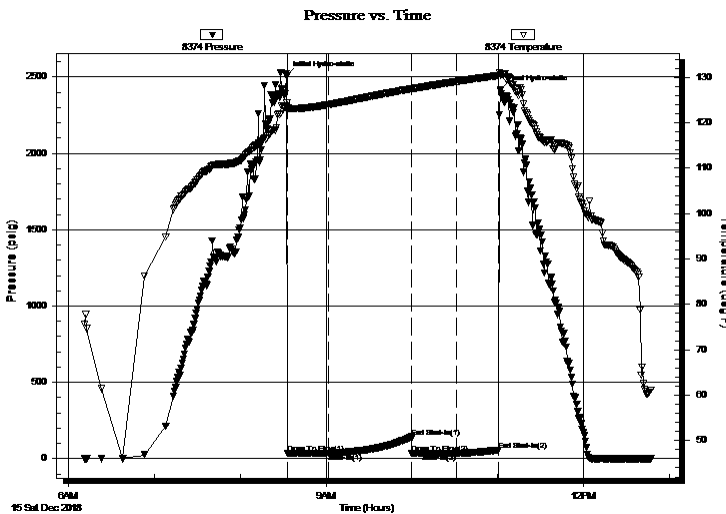
TEST COMMENT: IF:Weak surface blow that died in 5 min.

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2507.54	124.28	Initial Hydro-static
1	34.41	123.36	Open To Flow (1)
30	36.59	123.97	Shut-In(1)
87	142.47	127.45	End Shut-In(1)
88	36.03	127.45	Open To Flow (2)
119	36.33	129.04	Shut-In(2)
149	57.23	130.39	End Shut-In(2)
150	2419.62	130.43	Final Hydro-static

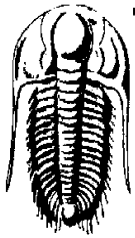
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100 %m	0.02

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

3-8-37 Sherman Co KS

Quenzer Unit 1-3

Job Ticket: 64295

DST#: 5

Test Start: 2018.12.15 @ 05:30:15

GENERAL INFORMATION:

Formation: **Cherokee- Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:52:00

Time Test Ended: 12:06:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4755.00 ft (KB) To 4816.00 ft (KB) (TVD)

Reference Elevations: 3478.00 ft (KB)

Total Depth: 4816.00 ft (KB) (TVD)

3473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8968 Outside

Press@RunDepth: psig @ 4791.00 ft (KB)

Start Date: 2018.12.15

End Date:

2018.12.15

Capacity: 8000.00 psig

Last Calib.:

2018.12.15

Start Time: 06:11:15

End Time:

12:47:15

Time On Btm:

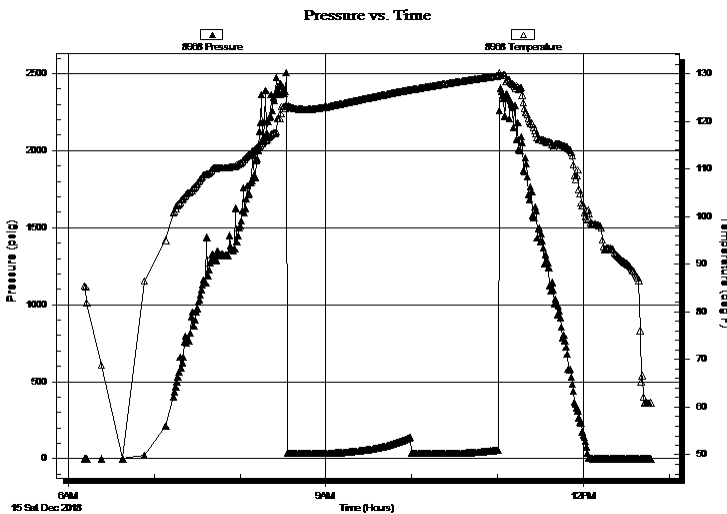
Time Off Btm:

TEST COMMENT: IF:Weak surface blow that died in 5 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100 %m	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

3-8-37 Sherman Co KS

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

Quenzer Unit 1-3

Job Ticket: 64295

DST#: 5

Test Start: 2018.12.15 @ 05:30:15

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100 %m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

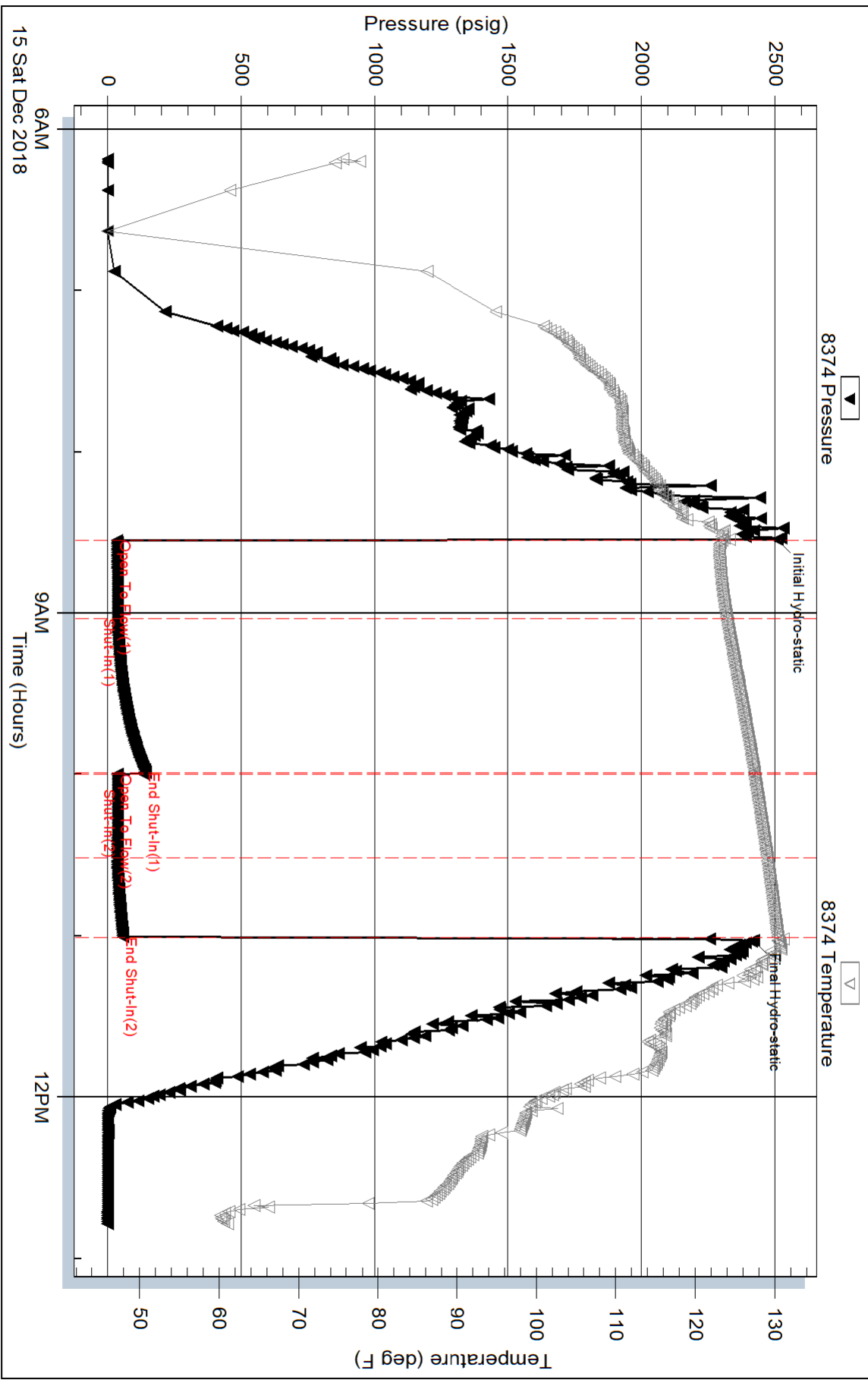
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

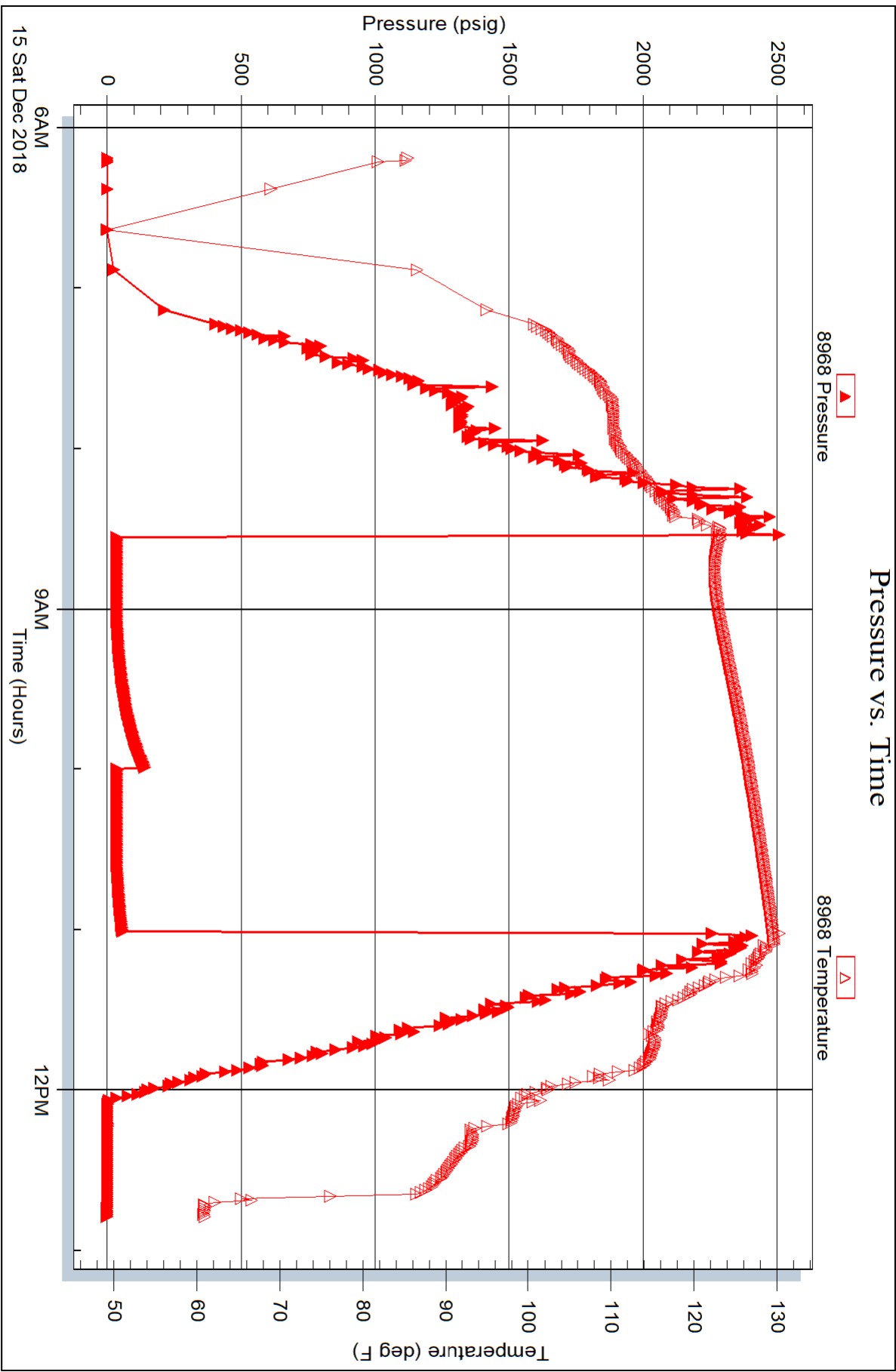


Serial #: 8968

Outside Val Energy Inc.

Quenzer Unit 1-3

DST Test Number: 5





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# 814740

Invoice Date: 12/18/18

Terms: Net 30

Page 1

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

QUENZER UNIT 1-3

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	25.000	1,425.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	25.000	214.50
CE0710	Cement Delivery Charge	1.000	722.4000	25.000	541.80
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	25.000	2,880.00
CC6075	Celloflake	60.000	3.0000	25.000	135.00
CP8228	8 5/8" Wooden Plug	1.000	165.0000	25.000	123.75

Subtotal 7,093.40
 Discounted Amount 1,773.35
 SubTotal After Discount 5,320.05

Amount Due 7,459.59 If paid after 01/17/19

Tax: 274.64
 Total: 5,594.69



PRESSURE PUMPING LLC

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

12191
12070

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 55978
LOCATION Chanute, KS
FOREMAN Miles Shaw

Invoice #814740

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-16-18	8576	Quenzor unit 1-3	3	S-S	37 W	Sherman
CUSTOMER V4 Energy			TRUCK #			
MAILING ADDRESS 25 N. Market, Ste. 110			DRIVER		TRUCK #	
CITY Wichita			DRIVER		TRUCK #	
STATE KS			DRIVER		TRUCK #	
ZIP CODE 67202			DRIVER		TRUCK #	

JOB TYPE PTA HOLE SIZE 7 7/8" HOLE DEPTH 5040' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4.5" TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.4 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and Rig up on well drilling R5 #10 Circulate drill pipe plus as ordered
1st plus 50sx @ 3050'
2nd plus 100sx @ 2023'
3rd plus 40sx @ 400'
4th plus 10sx @ 40' w/ plus
QA 30sx 240sx L-to weight blend II 1/2" 110sxal

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CF0002	40	MILEAGE	7.15	286.00
CF0410	10.32 TONS	Ton material delivery	1.75	722.40
CC5829	240 Sx	Lite-weight blend II	16.00	3840.00
CL075	60 th	Cellostake / Pluseal	3.00	180.00
CP8228	1	8 7/8 Circulation Plus	165.00	165.00
			Subtotal	7093.40
			less 25% discount	1773.35
			Subtotal	5320.05
			Subtotal	6920.40
			less 25% discount	1732.10
			Subtotal	5190.30
			SALES TAX	274.64
			ESTIMATED TOTAL	5594.69

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# 814724

Invoice Date: 12/14/18 Terms: Net 30 Page 1

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

QUENZER UNIT #1-3

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	35.000	7.1500	25.000	187.69
CE0710	Cement Delivery Charge	1.000	863.8000	25.000	647.85
CC5871	Surface Blend II, 2% Gel/3% CaCl	300.000	24.0000	25.000	5,400.00

Subtotal 9,464.05
 Discounted Amount 2,366.01
 SubTotal After Discount 7,098.04

Amount Due 10,094.05 If paid after 01/13/19

Tax: 472.50
 Total: 7,570.54



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

12105
12044

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 55968
LOCATION Dalley Ks
FOREMAN Walt Dunkel

Invoice #814724

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-6-18	8596	Quenzer Unit #1-3	3	85	37 ^W	Sherman
CUSTOMER			Brewster			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
125 N. Market, Ste. 1110			758	Cory Wilson		
CITY			528-7129	Cory Davis		
Wichita			697	Walt Dunkel		
STATE			3 North			
KS			12 ^W			
ZIP CODE			347'			
67202			Casing Size & Weight 8 5/8 - 23 #			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 347' CASING SIZE & WEIGHT 8 5/8 - 23 #
 CASING DEPTH 347 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.7 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 20 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Safety Meeting, rig upon WW #10, Circ Casing on bottom,
mix 300 sks com, 3% cel, 2% cel, Displace 20 3/4 BBL H₂O, shot in

Cement Did Circ
Approx 2 BBL to Pit

Thank You
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Ce0471	1	PUMP CHARGE	1,150.00	1,150.00
Ce0002	35	MILEAGE	7.15	250.25
Ce0710	14.10	Ton Mileage Delivery	1.75	863.80
Ce5871	300 sks	Surface Blend II	24.00	7,200.00
				9,464.05
		less 25%	-	2,366.01
				7,098.04
		SALES TAX		472.50
		ESTIMATED TOTAL		7570.54

Ravin 3737

AUTHORIZATION Rich Wilson 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.