

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

17-8s-35w Thomas KS

Frahm Unit #2-17

Job Ticket: 65543

DST#: 1

Test Start: 2019.05.17 @ 15:32:00

GENERAL INFORMATION:

Formation: **LKC "J - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:50:50

Time Test Ended: 21:23:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 71

Interval: 4364.00 ft (KB) To 4420.00 ft (KB) (TVD)

Reference Elevations: 3337.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD)

3332.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 12.26 psig @ 4365.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.17

End Date:

2019.05.17

Last Calib.: 2019.05.17

Start Time: 15:32:01

End Time:

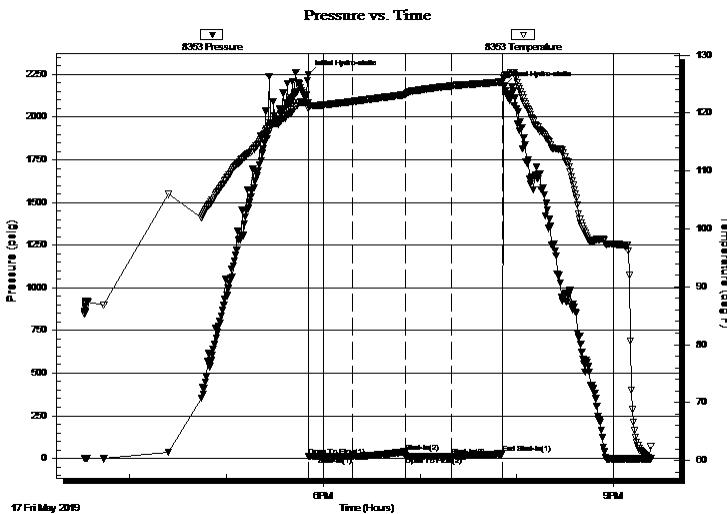
21:23:20

Time On Btm: 2019.05.17 @ 17:50:40

Time Off Btm: 2019.05.17 @ 19:52:09

TEST COMMENT: 30 IF - Surface blow
30 ISI - No return
30 FF - No blow
30 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.22	121.76	Initial Hydro-static
1	12.47	120.78	Open To Flow (1)
28	12.26	121.99	Shut-In(1)
61	38.77	123.17	Shut-In(2)
61	13.37	123.18	Open To Flow (2)
89	13.70	124.68	Shut-In(3)
121	28.41	125.38	End Shut-In(1)
122	2181.92	126.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCM - 5%o - 95%M	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Val Energy Inc.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65543 **DST#: 1**

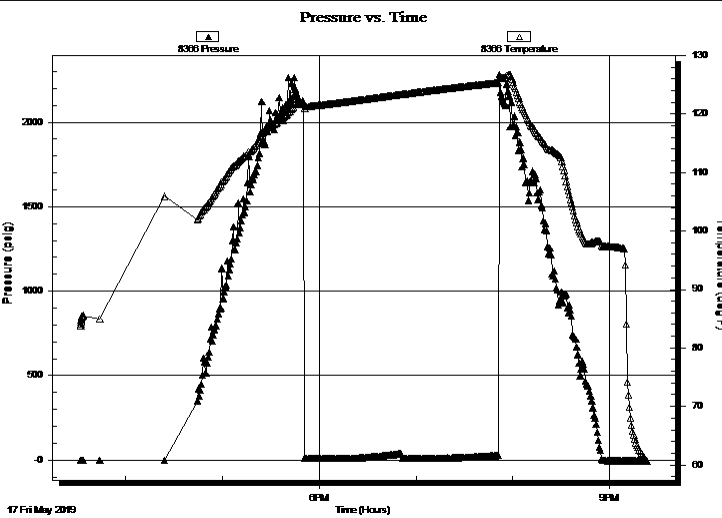
Test Start: 2019.05.17 @ 15:32:00

GENERAL INFORMATION:

Formation: LKC "J - K"			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 17:50:50		Tester: Ryan Nichols	
Time Test Ended: 21:23:20		Unit No: 71	
Interval: 4364.00 ft (KB) To 4420.00 ft (KB) (TVD)		Reference Elevations: 3337.00 ft (KB)	
Total Depth: 4420.00 ft (KB) (TVD)		3332.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft	

Serial #: 8366	Outside		
Press@RunDepth: psig @ 4365.00 ft (KB)		Capacity: 8000.00 psig	
Start Date: 2019.05.17	End Date: 2019.05.17	Last Calib.: 2019.05.17	
Start Time: 15:32:01	End Time: 21:23:30	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30 IF - Surface blow
30 ISI - No return
30 FF - No blow
30 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCM - 5%o - 95%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65543

DST#: 1

Test Start: 2019.05.17 @ 15:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	VSOCM - 5%o - 95%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

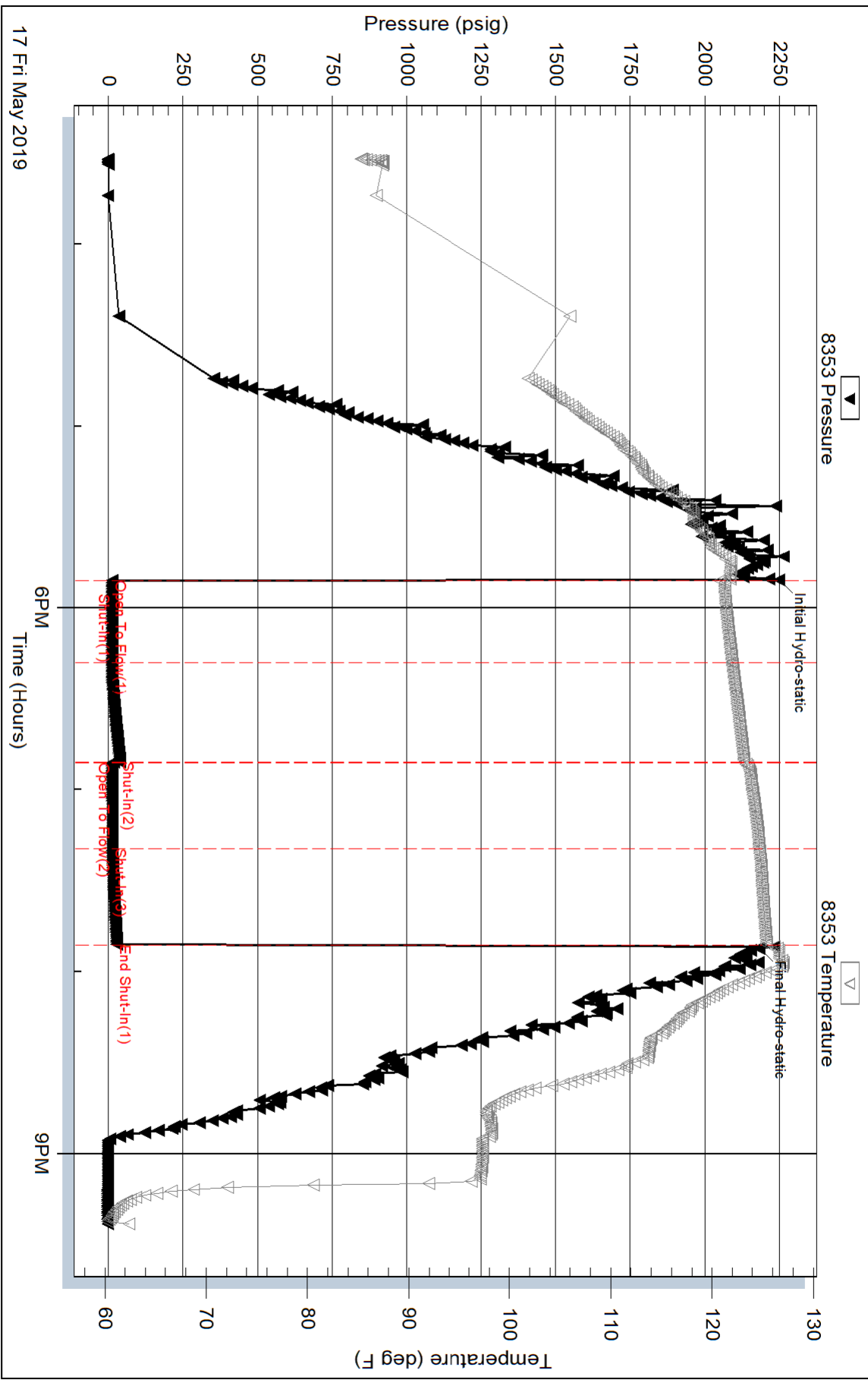
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

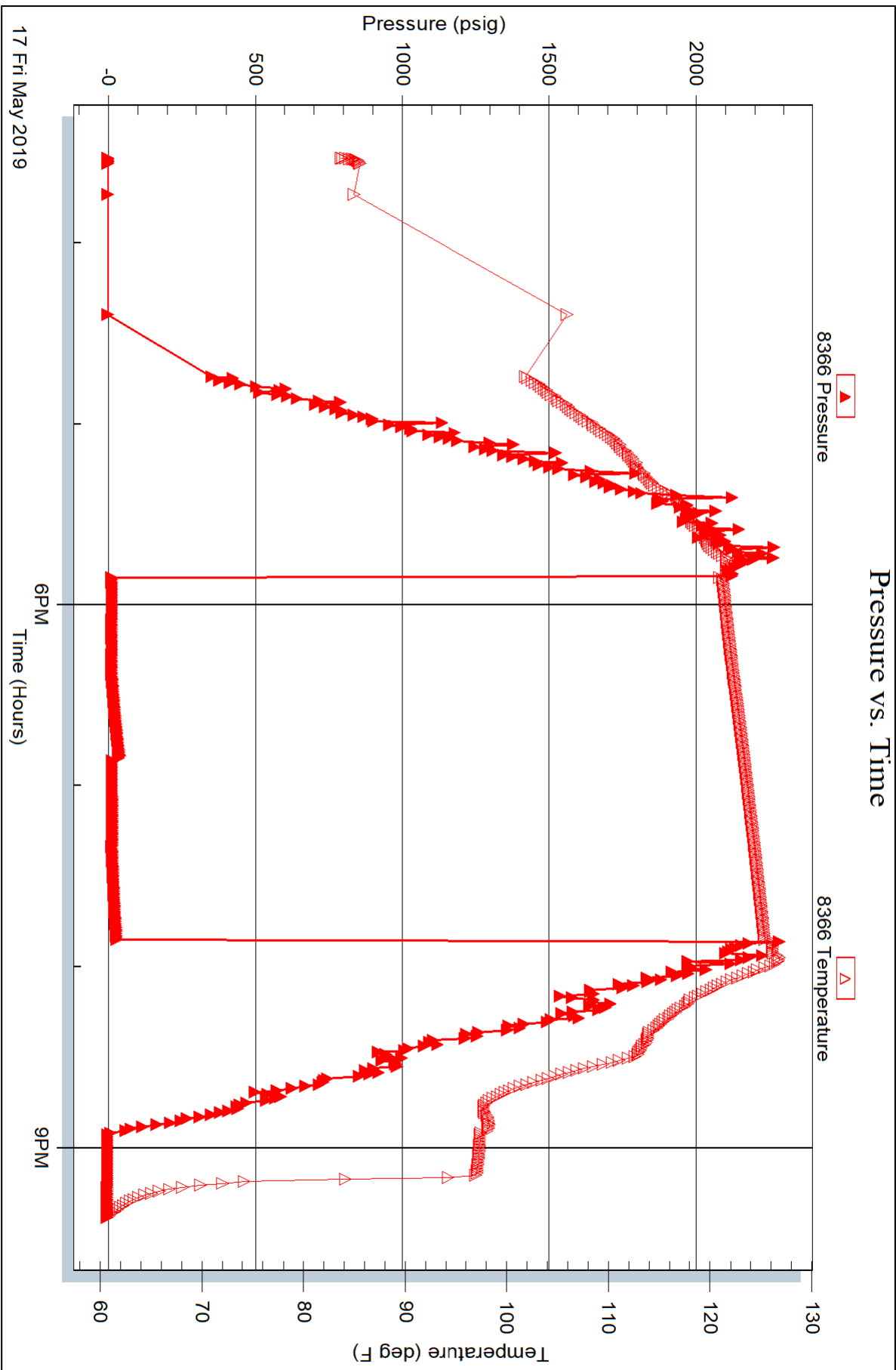


Serial #: 8366

Outside Val Energy Inc.

Frahm Unit #2-17

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

17-8s-35w Thomas KS

Frahm Unit #2-17

Job Ticket: 65545

DST#: 2

Test Start: 2019.05.18 @ 10:48:00

GENERAL INFORMATION:

Formation: **Marmaton " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:18:00

Time Test Ended: 18:23:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 4445.00 ft (KB) To 4545.00 ft (KB) (TVD)

Reference Elevations: 3337.00 ft (KB)

Total Depth: 4545.00 ft (KB) (TVD)

3332.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 57.21 psig @ 4446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.18

End Date: 2019.05.18

Last Calib.: 2019.05.18

Start Time: 10:48:01

End Time: 18:23:50

Time On Btm: 2019.05.18 @ 13:17:40

Time Off Btm: 2019.05.18 @ 16:47:39

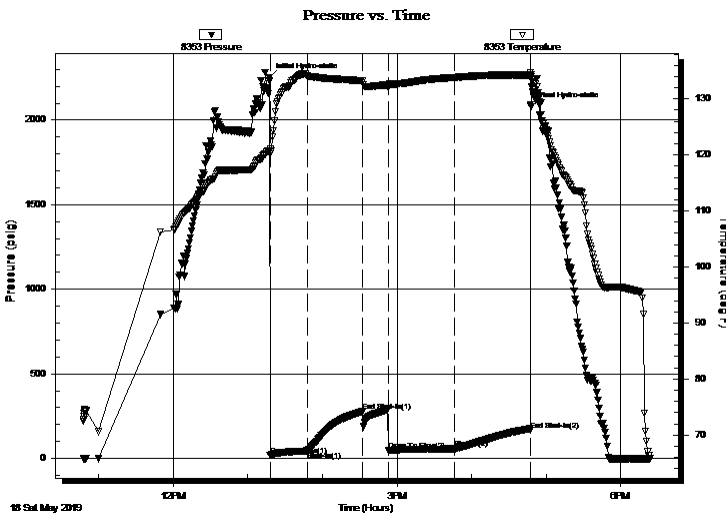
TEST COMMENT: 30 IF - Blow built to 3"

45 ISI - No return (blocks tw isted w hile turning tool)

60 FF - No blow 10 mins, flushed tool no blow , set slips turned 2 more times, surface blow built to 1/4"

60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.42	120.83	Initial Hydro-static
1	19.29	120.22	Open To Flow (1)
31	44.77	134.10	Shut-In(1)
75	277.00	133.20	End Shut-In(1)
96	48.96	131.95	Open To Flow (2)
149	57.21	133.82	Shut-In(2)
210	166.68	134.26	End Shut-In(2)
210	2081.40	134.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	OMCW - 10%o - 30%M - 60%W	0.49
20.00	GO - 30%G - 70%o	0.10

* 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

17-8s-35w Thomas KS

Frahm Unit #2-17

Job Ticket: 65545 **DST#: 2**
Test Start: 2019.05.18 @ 10:48:00

GENERAL INFORMATION:

Formation: **Marmaton " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:18:00

Time Test Ended: 18:23:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 4445.00 ft (KB) To 4545.00 ft (KB) (TVD)

Total Depth: 4545.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3337.00 ft (KB)

3332.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366 Outside

Press@RunDepth: psig @ 4446.00 ft (KB)

Start Date: 2019.05.18 End Date: 2019.05.18

Start Time: 10:48:01 End Time: 18:23:50

Capacity: 8000.00 psig

Last Calib.: 2019.05.18

Time On Btm:

Time Off Btm:

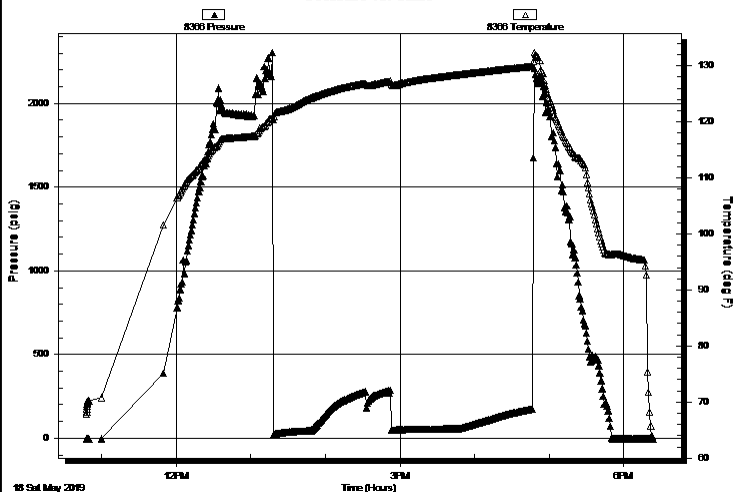
TEST COMMENT: 30 IF - Blow built to 3"

45 ISI - No return (blocks twisted w hile turning tool)

60 FF - No blow 10 mins, flushed tool no blow , set slips turned 2 more times, surface blow built to 1/4"

60 FSI - No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
100.00	OMCW - 10%o - 30%M - 60%W	0.49
20.00	GO - 30%G - 70%o	0.10

* 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.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65545

DST#: 2

Test Start: 2019.05.18 @ 10:48:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 33 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	OMCW - 10%o - 30%M - 60%W	0.492
20.00	GO - 30%G - 70%o	0.098

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

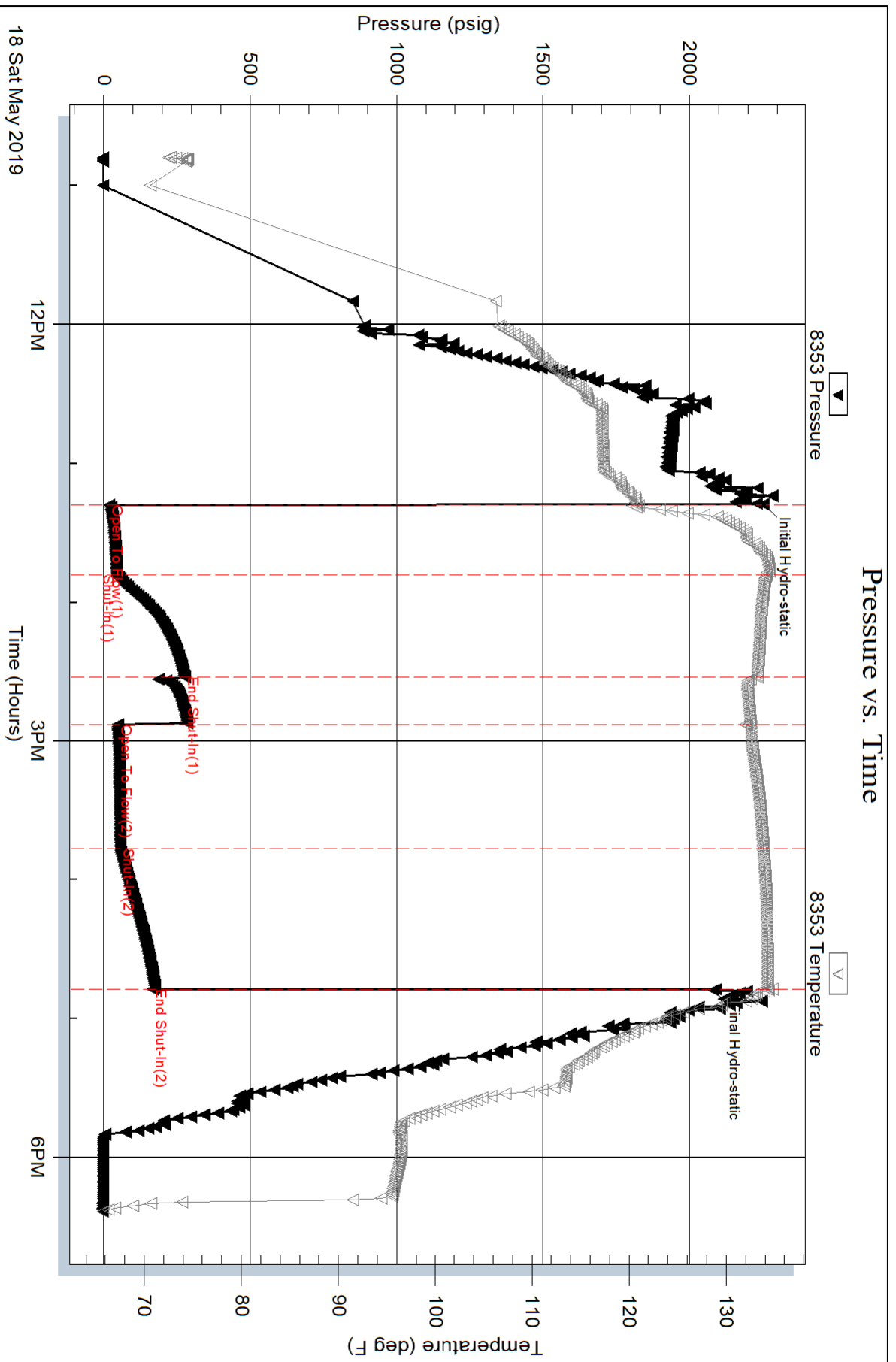
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 34 @ 70 DEG F = 33 COR 60 DEG F

RW = .186 @ 65 DEG F Chlorides = 46,000 ppm

Pressure vs. Time

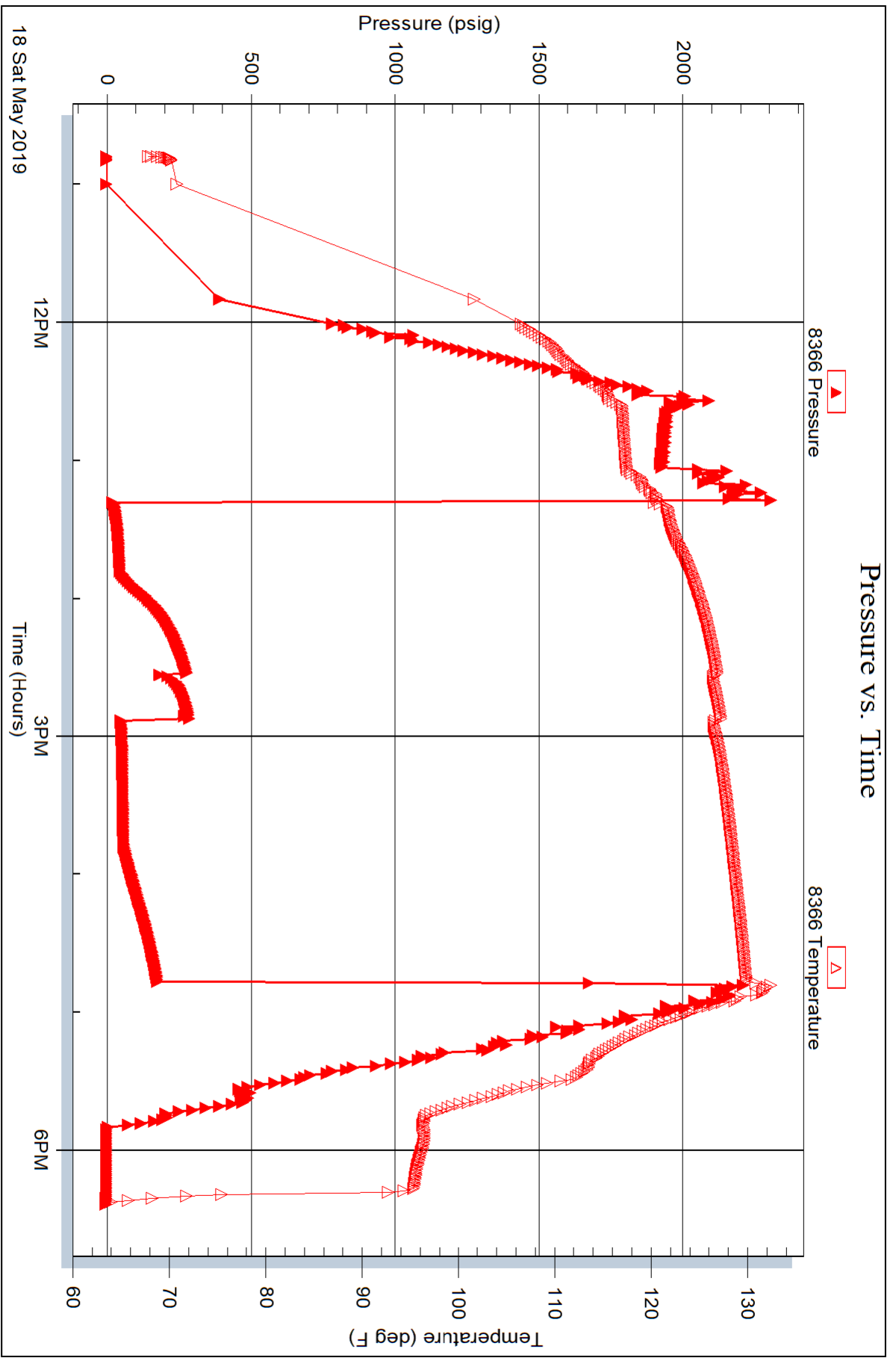


Serial #: 8366

Outside Val Energy Inc.

Frahm Unit #2-17

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

17-8s-35w Thomas KS

Frahm Unit #2-17

Job Ticket: 65545

DST#: 3

Test Start: 2019.05.19 @ 02:30:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:07:59

Time Test Ended: 07:37:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 71

Interval: 4548.00 ft (KB) To 4585.00 ft (KB) (TVD)

Reference Elevations: 3337.00 ft (KB)

Total Depth: 4585.00 ft (KB) (TVD)

3332.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 16.34 psig @ 4549.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.19

End Date:

2019.05.19

Last Calib.: 2019.05.19

Start Time: 02:30:01

End Time:

07:37:19

Time On Btm: 2019.05.19 @ 04:07:39

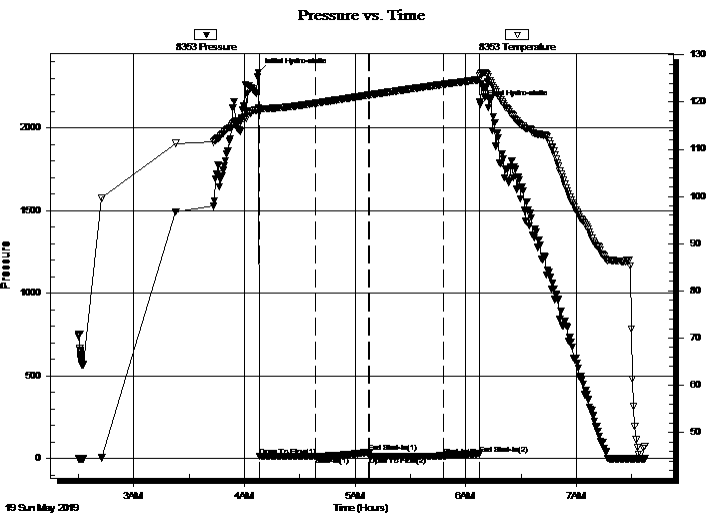
Time Off Btm: 2019.05.19 @ 06:07:59

TEST COMMENT: 30 IF - Blow built to 1"

30 ISI - No return

30 FF - No blow

30 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2336.28	118.71	Initial Hydro-static
1	10.90	117.68	Open To Flow (1)
31	12.55	119.76	Shut-In(1)
60	38.23	121.47	End Shut-In(1)
61	11.32	121.49	Open To Flow (2)
101	16.34	123.74	Shut-In(2)
120	27.35	124.74	End Shut-In(2)
121	2142.26	126.07	Final Hydro-static

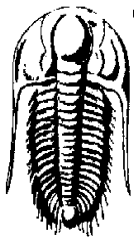
Recovery

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.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65545 **DST#: 3**

Test Start: 2019.05.19 @ 02:30:00

GENERAL INFORMATION:

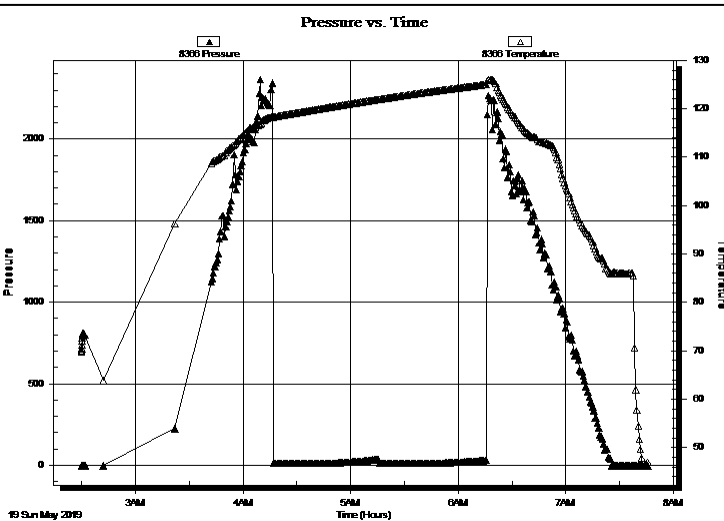
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:07:59
 Tester: Ryan Nichols
 Time Test Ended: 07:37:19
 Unit No: 71
 Interval: **4548.00 ft (KB) To 4585.00 ft (KB) (TVD)**
 Reference Elevations: 3337.00 ft (KB)
 Total Depth: 4585.00 ft (KB) (TVD)
 3332.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8366

Outside

Press@RunDepth: psig @ 4549.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.05.19 End Date: 2019.05.19 Last Calib.: 2019.05.19
 Start Time: 02:30:01 End Time: 07:46:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 IF - Blow built to 1"
 30 ISI - No return
 30 FF - No blow
 30 FSI - No return



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.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65545

DST#: 3

Test Start: 2019.05.19 @ 02:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 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 bbf
5.00	Mud 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

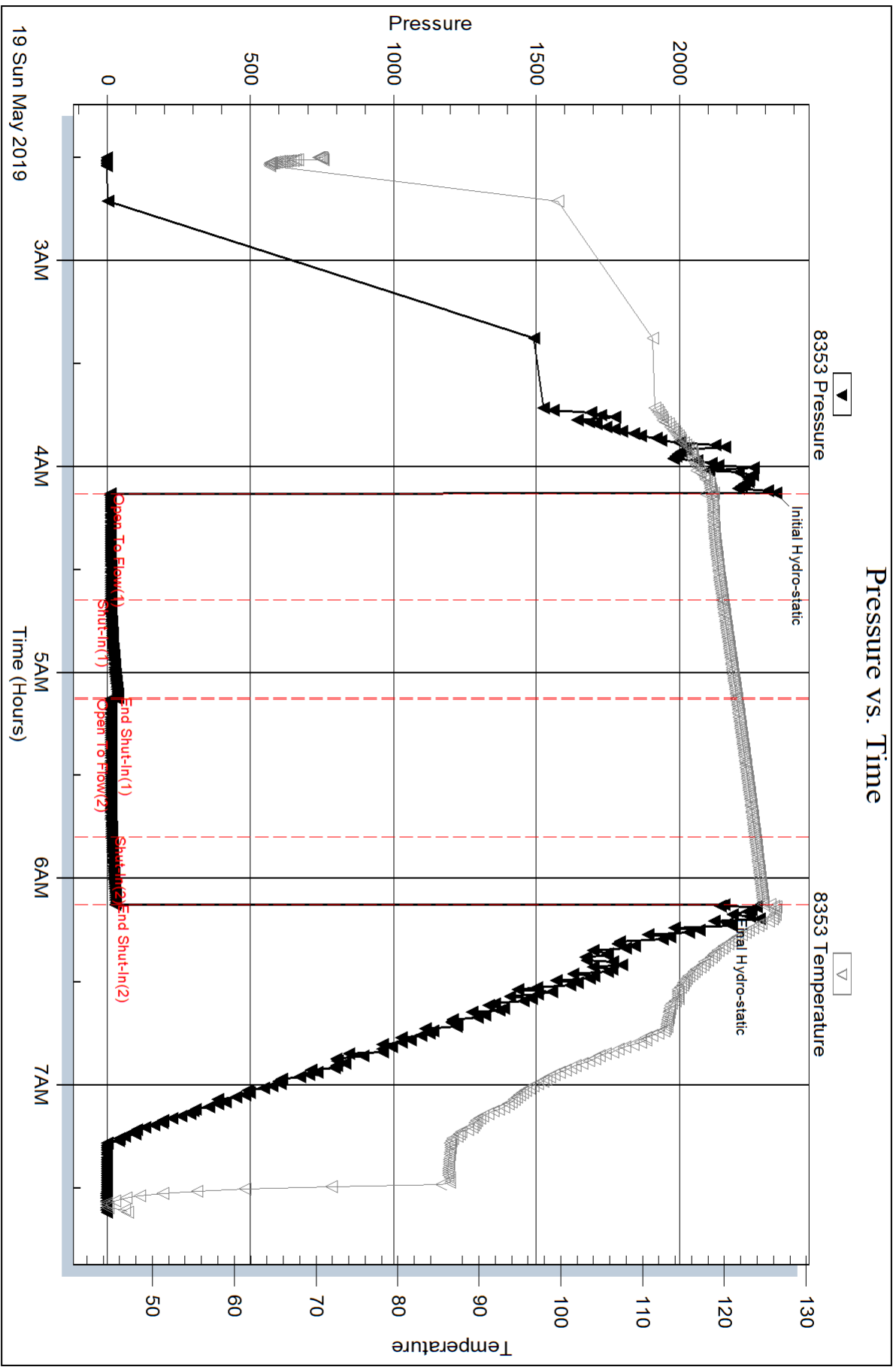
Num Gas Bombs: 0

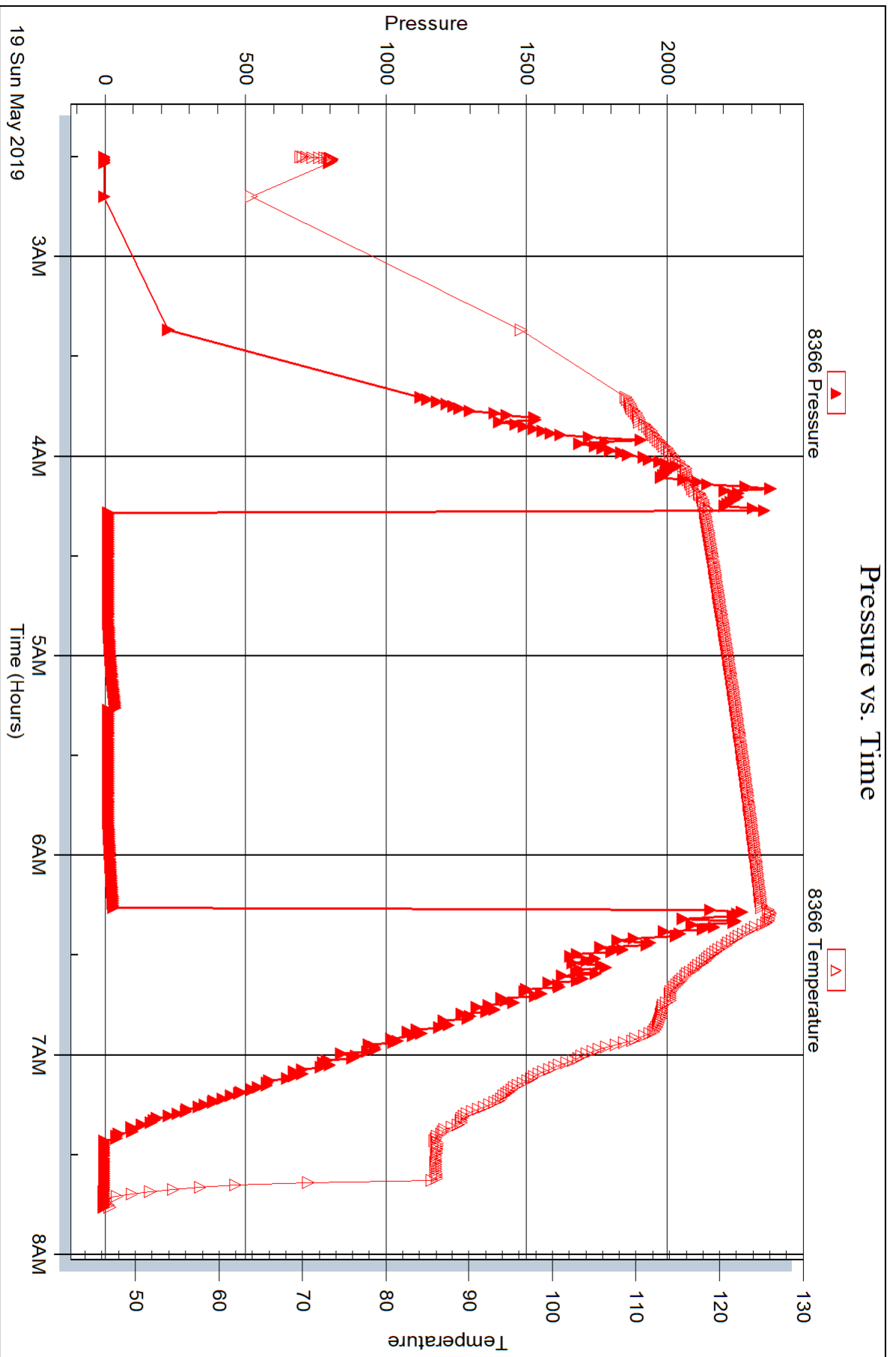
Serial #:

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

17-8s-35w Thomas KS

Frahm Unit #2-17

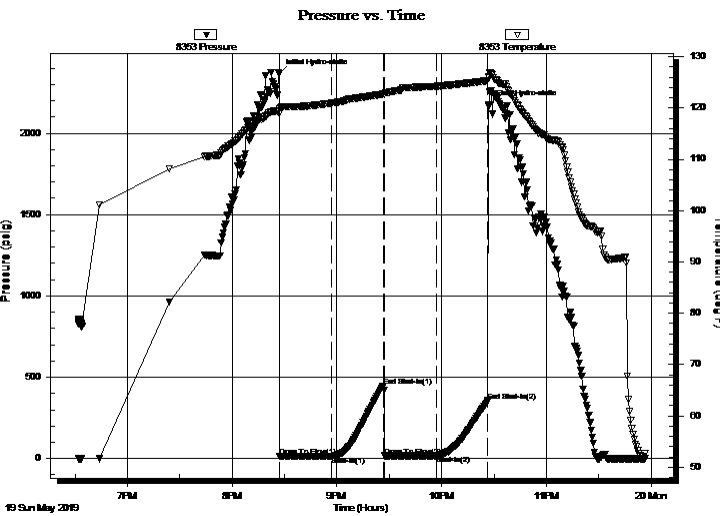
Job Ticket: 65546 **DST#: 4**
Test Start: 2019.05.19 @ 18:32:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:27:10
Time Test Ended: 23:56:20
Interval: **4581.00 ft (KB) To 4675.00 ft (KB) (TVD)**
Total Depth: 4675.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71
Reference Elevations: 3337.00 ft (KB)
3332.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
Press@RunDepth: 16.99 psig @ 4582.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.05.19 End Date: 2019.05.19 Last Calib.: 2019.05.19
Start Time: 18:32:01 End Time: 23:56:20 Time On Btm: 2019.05.19 @ 20:27:00
Time Off Btm: 2019.05.19 @ 22:27:10

TEST COMMENT: 30 IF - Blow built to 1"
30 ISI - No return
30 FF - No blow
30 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2367.83	119.77	Initial Hydro-static
1	13.42	118.96	Open To Flow (1)
30	14.90	120.94	Shut-In(1)
60	446.21	122.70	End Shut-In(1)
61	16.03	122.63	Open To Flow (2)
91	16.99	124.23	Shut-In(2)
120	354.66	125.31	End Shut-In(2)
121	2173.85	125.93	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.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65546

DST#: 4

Test Start: 2019.05.19 @ 18:32:00

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: ppm

Viscosity: 59.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 67000.00 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

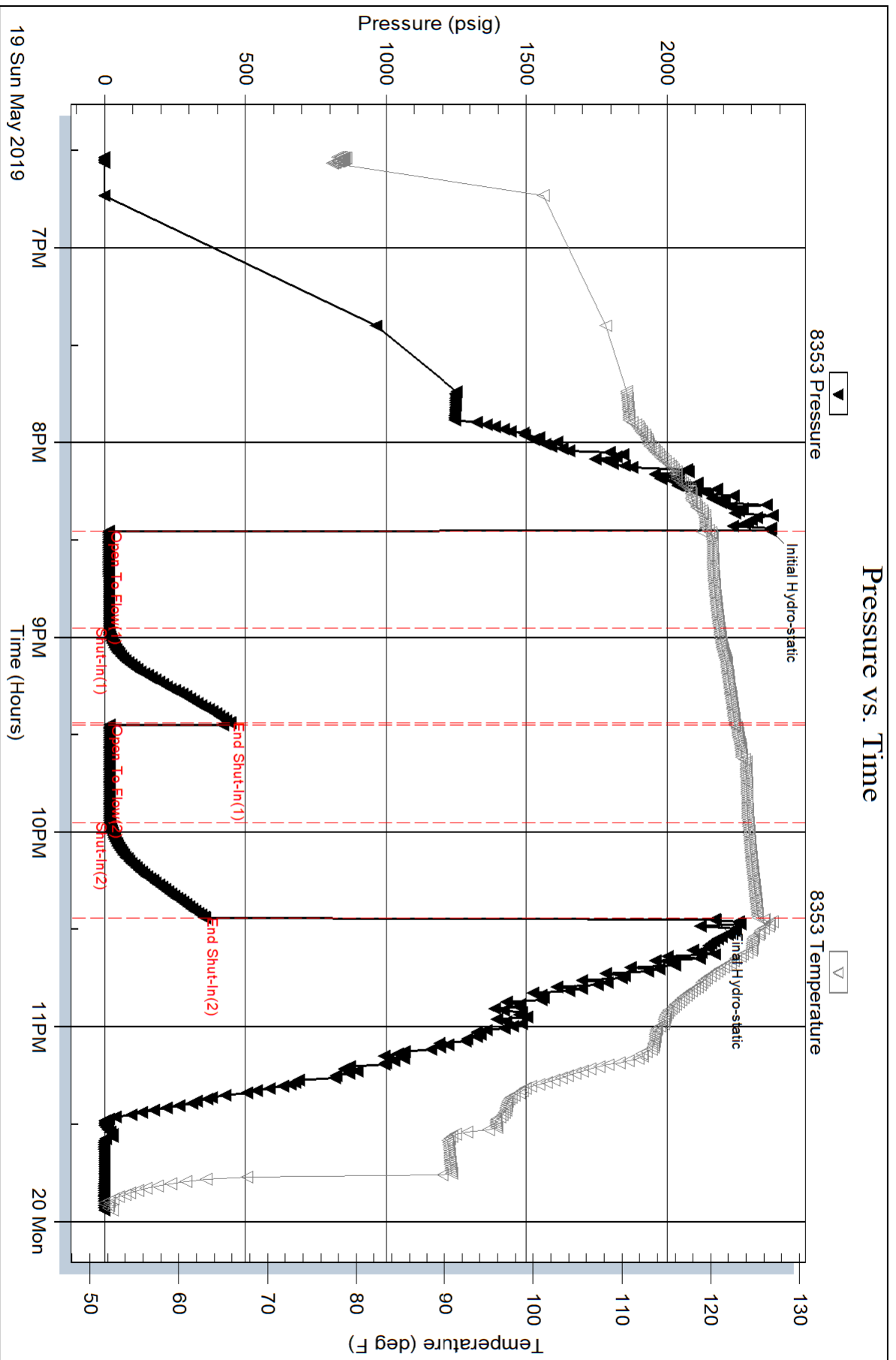
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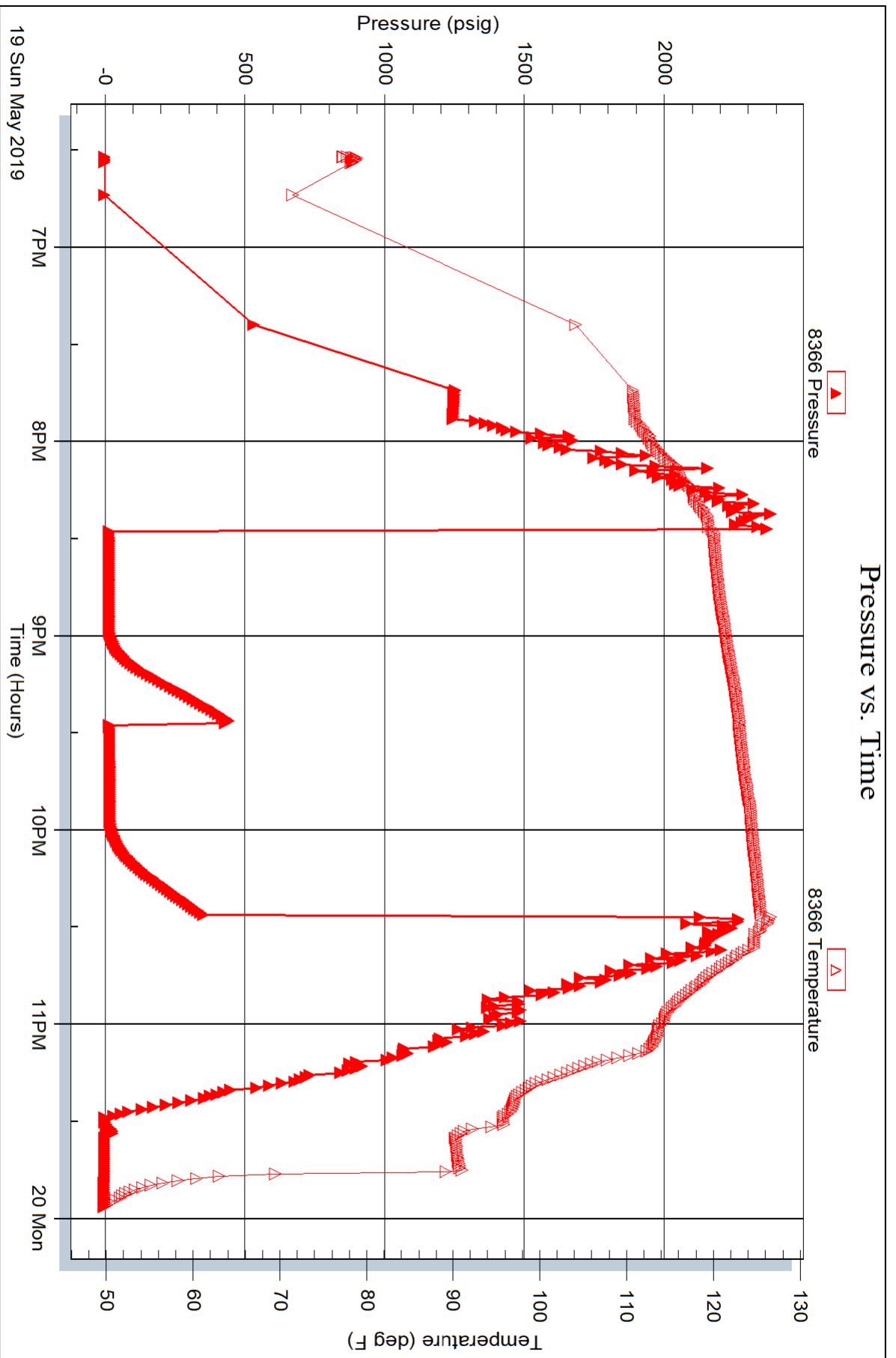
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

17-8s-35w Thomas KS

Frahm Unit #2-17

Job Ticket: 65547

DST#: 5

Test Start: 2019.05.20 @ 06:05:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:07:30
 Time Test Ended: 12:48:50
 Interval: **4662.00 ft (KB) To 4694.00 ft (KB) (TVD)**
 Total Depth: 4694.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 71
 Reference Elevations: 3337.00 ft (KB)
 3332.00 ft (CF)
 KB to GR/CF: 5.00 ft

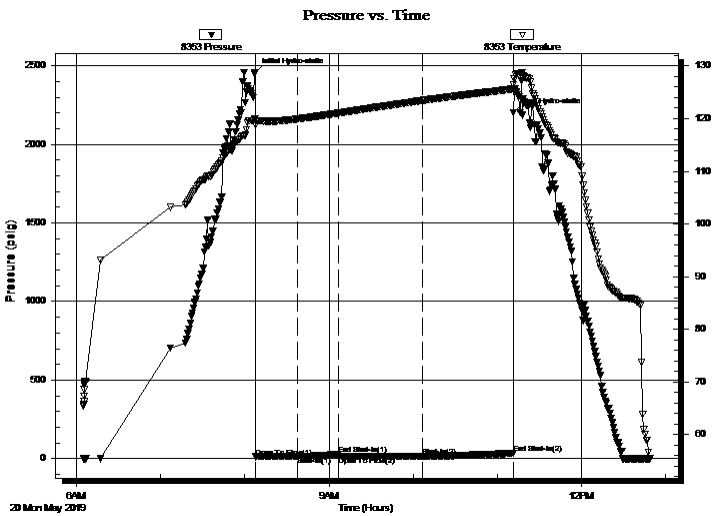
Serial #: 8353

Inside

Press@RunDepth: 13.00 psig @ 4663.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.05.20 End Date: 2019.05.20 Last Calib.: 2019.05.20
 Start Time: 06:05:01 End Time: 12:48:50 Time On Btm: 2019.05.20 @ 08:07:20
 Time Off Btm: 2019.05.20 @ 11:11:30

TEST COMMENT: 30 IF - Surface blow
 30 ISI - No return
 60 FF - Blow built to 1" died back to surface blow
 60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2455.12	119.97	Initial Hydro-static
1	10.56	118.74	Open To Flow (1)
30	12.94	119.92	Shut-In(1)
60	27.13	121.04	End Shut-In(1)
60	11.97	121.05	Open To Flow (2)
120	13.00	123.44	Shut-In(2)
184	32.69	125.62	End Shut-In(2)
185	2201.90	126.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%M	0.01

* 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.

17-8s-35w Thomas KS

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

Frahm Unit #2-17

Job Ticket: 65547

DST#: 5

Test Start: 2019.05.20 @ 06:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

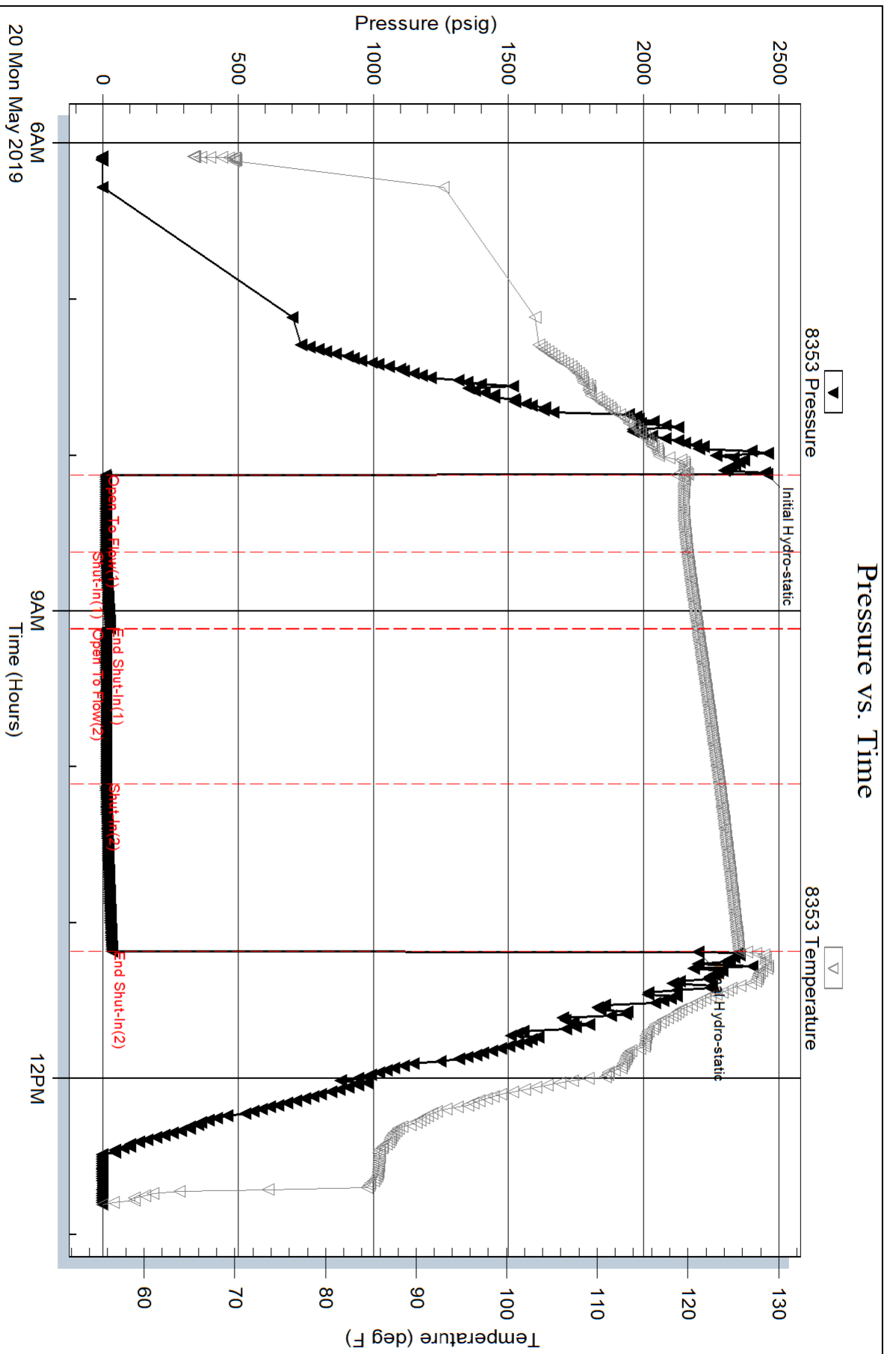
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

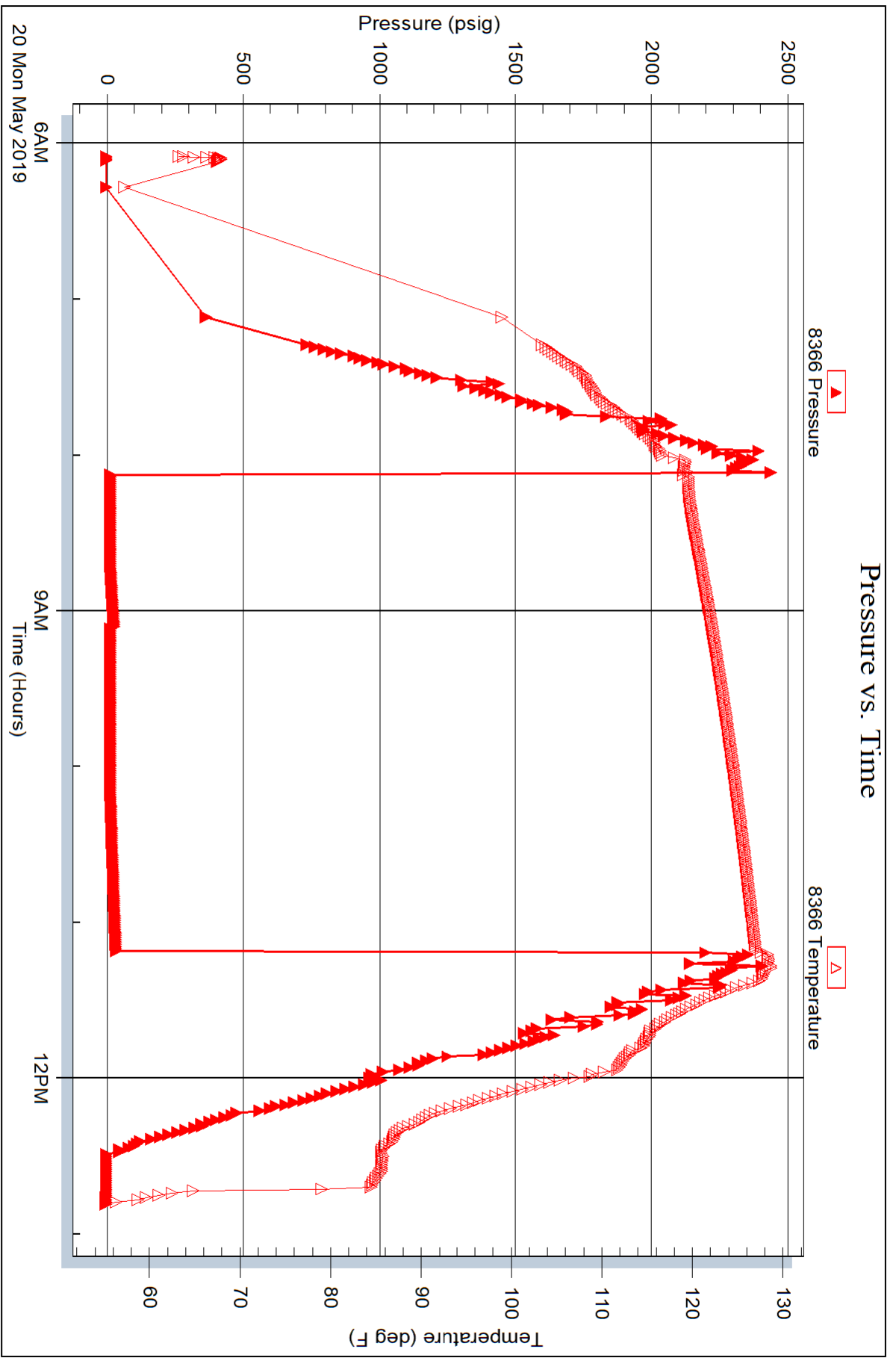


Serial #: 8366

Outside Val Energy Inc.

Frahm Unit #2-17

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 65547

Printed: 2019.05.20 @ 13:31:18

TIM PRIEST

Petroleum Geologist

(316)-213-6115

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **VAL ENERGY, INC.**

LEASE **Fathom Unit #2-17**

FIELD **Wildcat**

LOCATION **1790' FUL 1250' FEL**

SEC **16 T1MSP 8S** RGE **35W**

COUNTY **Thomas** STATE **Kansas**

CONTRACTOR **WW Drilling, Rig #10**

SPUD **5-13-19** COMP **5-21-19**

RTD **4849'** LTD **4850'**

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 **4100'** to RTD

GEOLOGIST ON WELL **Tim Priest**

FORMATION TOPS

ANHYDRITE

HEEBNER SHALE

MARMATON

CHEROKEE SHALE

MISSISSIPPIAN

PORT SCOTT

STARK

LANSEING

ELEVATIONS

KG 3337'

DF _____

GL 3332'

Measurements Are All From **KB**

CASING

CONDUCTION **N/A**

SURFACE **8.5" @ 233'**

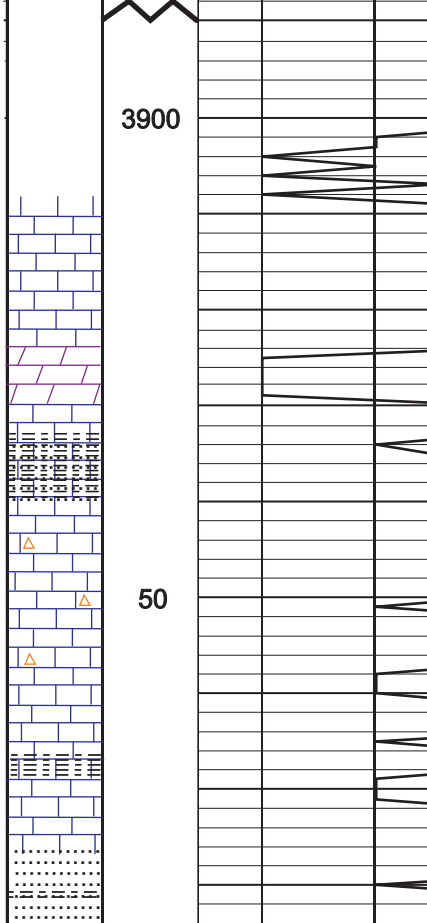
PRODUCTION **None**

ELECTRICAL SURVEYS

CND/D/SP/P.E.

Micro

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2862 (-475)	2860 (-477)
Heebner Shale	4127 (-790)	4128 (-791)
Stark	4384 (-1047)	4385 (-1048)
Marmaton	4478 (-1141)	4478 (-1141)
Cherokee Shale	4622 (-1285)	4619 (-1282)
Port Scott	4654 (-1317)	4654 (-1317)
Mississippian	4792 (-1455)	4790 (-1453)



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

Respectfully Submitted,

API #15-193-21042-00-00

Tim Priest
Petroleum Geologist



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# 900879

Invoice Date: 05/24/19 Terms: Net 30 Page 1

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

FRAHM UNIT 2-17

Part No	Description	Quantity	Discounted Unit Price	Discounted Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,425.0000	1,425.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	5.3625	160.88
CE0711	Minimum Cement Delivery Charge	1.000	495.0000	495.00
CC5829	Lite-Weight blend V (60:40:4)	240.000	12.0000	2,880.00
CC6075	Celloflake	60.000	2.2500	135.00
			SubTotal After Discount	5,095.88

Tax: 241.21
 Total: 5,337.09

Amount Due 7,116.10 If paid after 06/23/19



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# 900846

Invoice Date: 05/15/19 Terms: Net 30 Page 1

VAL ENERGY

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

FRAHM UNIT 2-17

Part No	Description	Quantity	Discounted Unit Price	Discounted Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	862.5000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	5.3625	160.88
CE0711	Minimum Cement Delivery Charge	1.000	495.0000	495.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	180.000	18.0000	3,240.00
			SubTotal After Discount	4,758.38

Tax: 259.20
 Total: 5,017.58

Amount Due 6,690.10 If paid after 06/14/19



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

100514
40714

TICKET NUMBER 55999
LOCATION Oakley Ks
FOREMAN Cory Davis

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 900846
wmt D

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-13-19	8576	Frahm Unit 2-17	18	85	35W	Thomas
CUSTOMER Val Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 125 N. Market, Ste. 1110			753 Kaleb C 1098 wmt D			
CITY STATE ZIP CODE Wichita KS 67202			70 Xavier C 703 Cory D			
			Metadi V.			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 253 CASING SIZE & WEIGHT 8 5/8 23
CASING DEPTH 253 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 14.8 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting rig up on w/l 0 run casing to Bottom get circ. mix 180 sks 3% CC 2% gal
Displace + wash up with 14.8 BBL H2O Rig down

Cement Od Circ 2 BBL to pit

Thanks Cory & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471		PUMP CHARGE	1150 ⁰⁰	1150 ⁰⁰
CE0002	30	MILEAGE	7 ¹³	214 ⁵⁰
CE0711	8.46	Ten Mileage Delivery min	75	660 ⁰⁰
CC587	180	Surface Blend II	24 ⁰⁰	4320 ⁰⁰
			Sub total	6344 ⁵⁰
			25% taxes	1586 ¹³
			Sub total	4758 ³⁸
			SALES TAX	259.20
			ESTIMATED TOTAL	5017.58

SCANNED

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.