



DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702+1913

ATTN: Wyatt Urban/Jim Musg

Rule #1-31

31-2s-24w Norton,KS

Start Date: 2013.11.08 @ 23:50:00

End Date: 2013.11.09 @ 06:34:00

Job Ticket #: 55013 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.13 @ 13:46:06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

31-2s-24w Norton, KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55013

DST#: 1

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.08 @ 23:50:00

GENERAL INFORMATION:

Formation: **LKC "A - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:55:15

Time Test Ended: 06:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 150

Interval: 3391.00 ft (KB) To 3435.00 ft (KB) (TVD)

Reference Elevations: 2421.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

2416.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press@RunDepth: 120.34 psig @ 3392.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.08

End Date:

2013.11.09

Last Calib.:

2013.11.09

Start Time:

23:50:05

End Time:

06:33:59

Time On Btm:

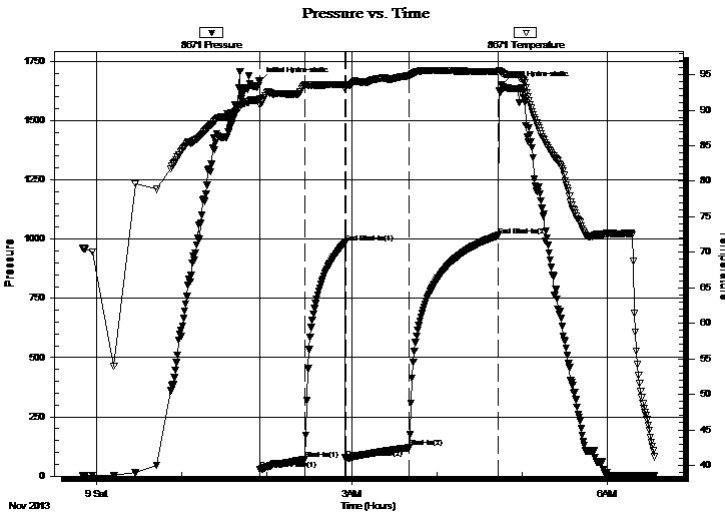
2013.11.09 @ 01:55:00

Time Off Btm:

2013.11.09 @ 04:45:30

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 26 min.
30 - IS: No blow back
45 - FF: Blow built to BOB in 43 min.
60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1663.49	91.55	Initial Hydro-static
1	27.33	90.82	Open To Flow (1)
32	71.20	93.58	Shut-In(1)
60	984.00	93.59	End Shut-In(1)
61	74.66	93.29	Open To Flow (2)
106	120.34	94.88	Shut-In(2)
169	1015.70	95.38	End Shut-In(2)
171	1649.84	95.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	MCW w/trace oil 77%w, 23%m	1.77
94.00	WM w/trace oil 59%m, 41%w	1.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55013

DST#: 1

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.08 @ 23:50:00

Tool Information

Drill Pipe:	Length: 3395.00 ft	Diameter: 3.80 inches	Volume: 47.62 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	62000.00 lb
			<u>Total Volume: 47.62 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3391.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	72.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3368.00	
Hydraulic tool	5.00			3373.00	
Jars	5.00			3378.00	
Safety Joint	3.00			3381.00	
Packer	5.00			3386.00	28.00 Bottom Of Top Packer
Packer	5.00			3391.00	
Stubb	1.00			3392.00	
Recorder	0.00	8671	Inside	3392.00	
Recorder	0.00	8320	Outside	3392.00	
Perforations	6.00			3398.00	
Blank Spacing	34.00			3432.00	
Bullnose	3.00			3435.00	44.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55013

DST#: 1

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.08 @ 23:50:00

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:

66000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
126.00	MCW w /trace oil 77%w , 23%m	1.767
94.00	WM w /trace oil 59%m, 41%w	1.319

Total Length: 220.00 ft Total Volume: 3.086 bbl

Num Fluid Samples: 0

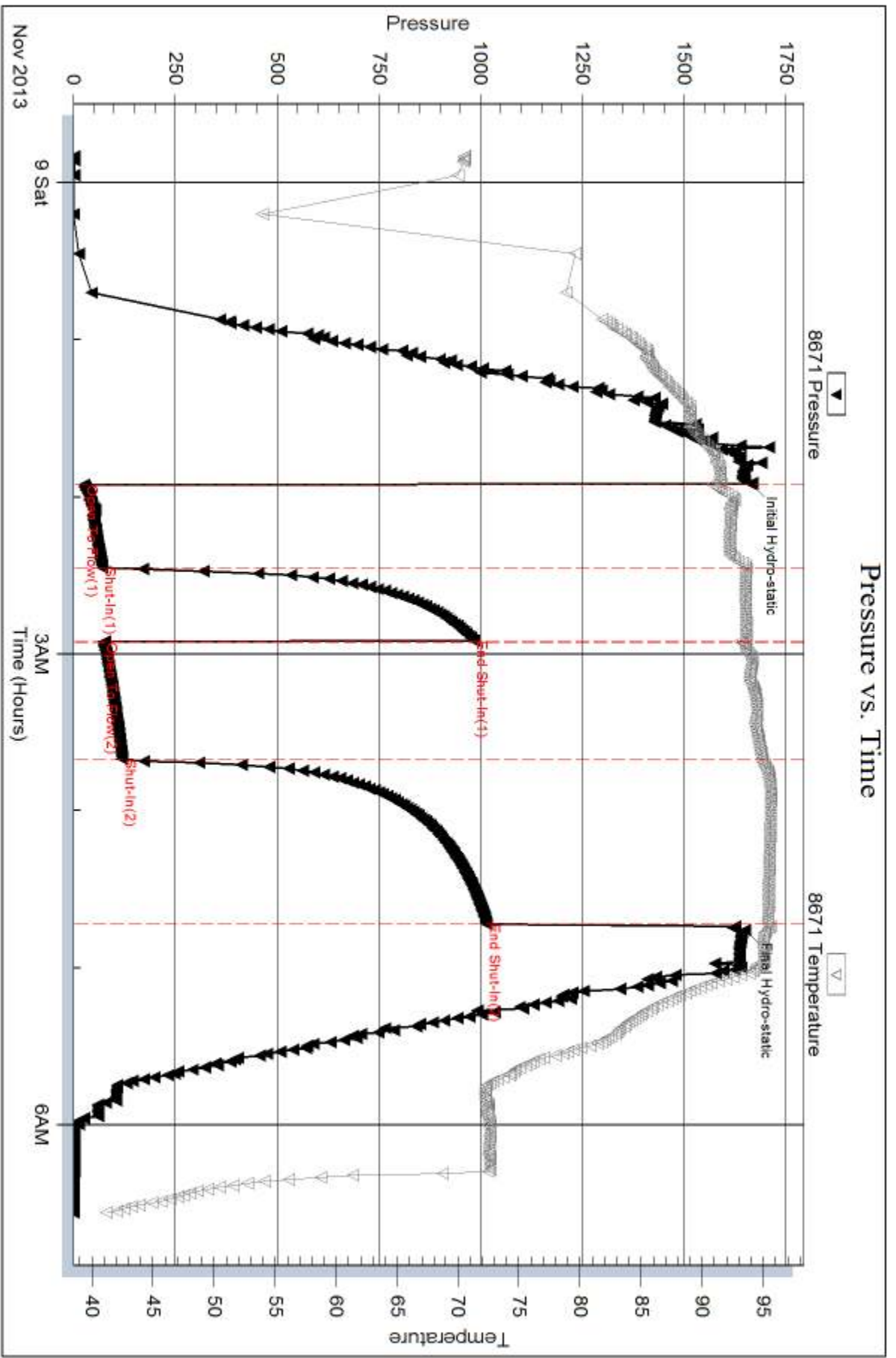
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .180 ohms @ 45.5 deg F

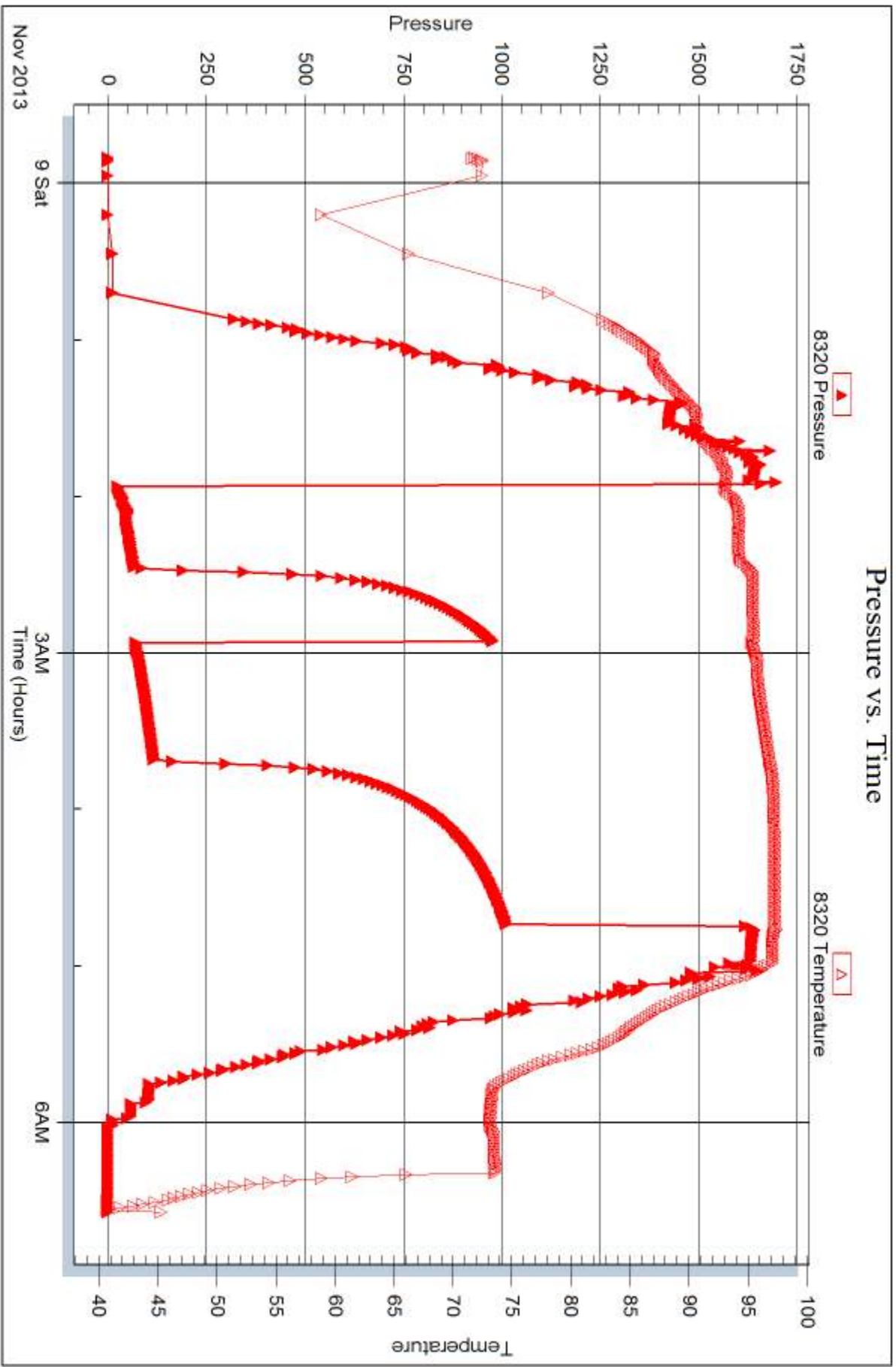


Serial #: 8320

Outside Blue Ridge Petroleum Corp.

Rule #1-31

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702+1913

ATTN: Wyatt Urban/Jim Musg

Rule #1-31

31-2s-24w Norton,KS

Start Date: 2013.11.09 @ 17:06:00

End Date: 2013.11.09 @ 22:40:00

Job Ticket #: 55014 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.13 @ 13:45:27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55014

DST#: 2

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.09 @ 17:06:00

GENERAL INFORMATION:

Formation: **LKC "D - F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:03:30

Time Test Ended: 22:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 150

Interval: 3435.00 ft (KB) To 3484.00 ft (KB) (TVD)

Reference Elevations: 2421.00 ft (KB)

Total Depth: 3484.00 ft (KB) (TVD)

2416.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press@RunDepth: 21.50 psig @ 3436.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.09

End Date:

2013.11.09

Last Calib.:

2013.11.09

Start Time: 17:06:05

End Time:

22:39:59

Time On Btm:

2013.11.09 @ 19:03:15

Time Off Btm:

2013.11.09 @ 21:05:30

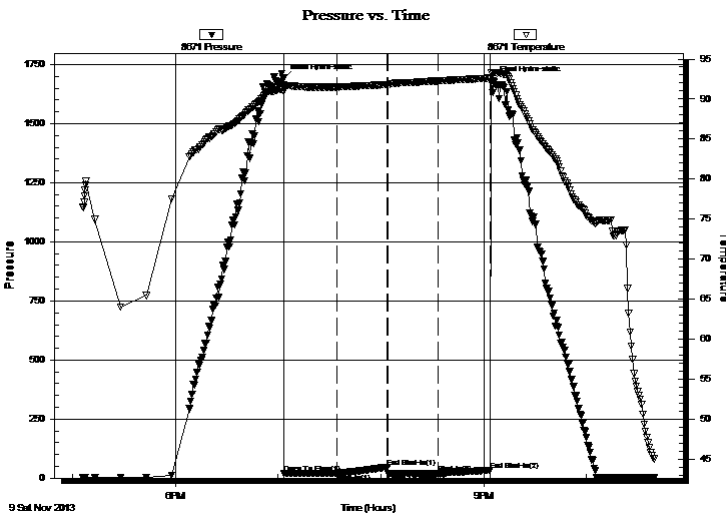
TEST COMMENT: 30 - IF: 1/8" Blow at open, built slightly then died back, dead at 18 min.

30 - IS: No blow back

30 - FF: No blow

30 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1691.99	91.82	Initial Hydro-static
1	20.24	90.95	Open To Flow (1)
32	20.75	91.52	Shut-In(1)
61	47.07	91.82	End Shut-In(1)
61	20.95	91.82	Open To Flow (2)
90	21.50	92.27	Shut-In(2)
121	33.72	92.61	End Shut-In(2)
123	1680.55	93.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.03
0.00	Oil spots in tool	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55014

DST#: 2

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.09 @ 17:06:00

Tool Information

Drill Pipe:	Length: 3426.00 ft	Diameter: 3.80 inches	Volume: 48.06 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: 48.06 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3435.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3412.00	
Hydraulic tool	5.00			3417.00	
Jars	5.00			3422.00	
Safety Joint	3.00			3425.00	
Packer	5.00			3430.00	28.00 Bottom Of Top Packer
Packer	5.00			3435.00	
Stubb	1.00			3436.00	
Recorder	0.00	8671	Inside	3436.00	
Recorder	0.00	8320	Outside	3436.00	
Perforations	11.00			3447.00	
Blank Spacing	34.00			3481.00	
Bullnose	3.00			3484.00	49.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55014

DST#: 2

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.09 @ 17:06:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 6.37 in³
Resistivity: ohm.m
Salinity: 2400.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%	0.028
0.00	Oil spots in tool	0.000

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

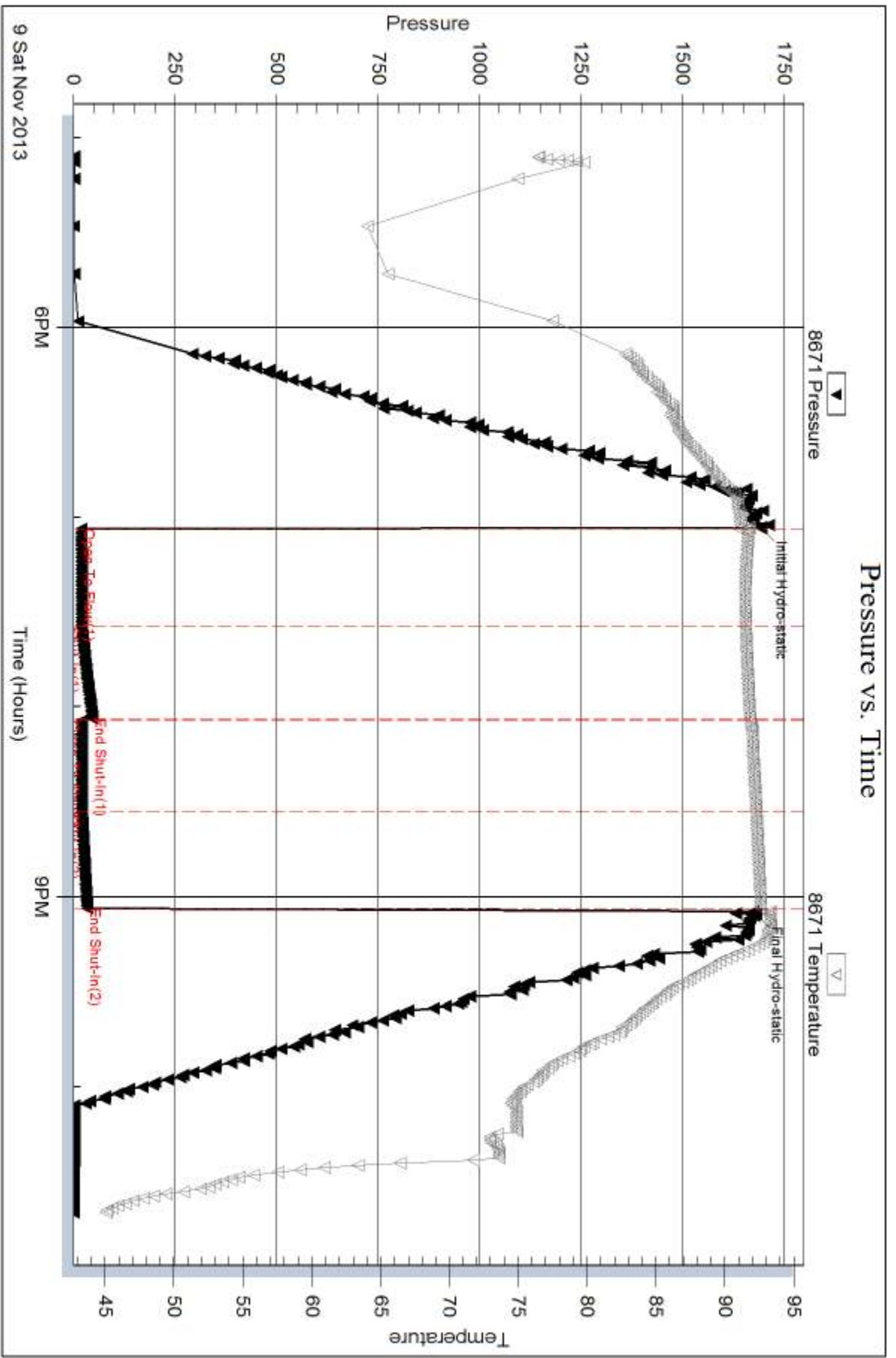
Serial #: 8671

Inside

Blue Ridge Petroleum Corp.

Rule #1-31

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55014

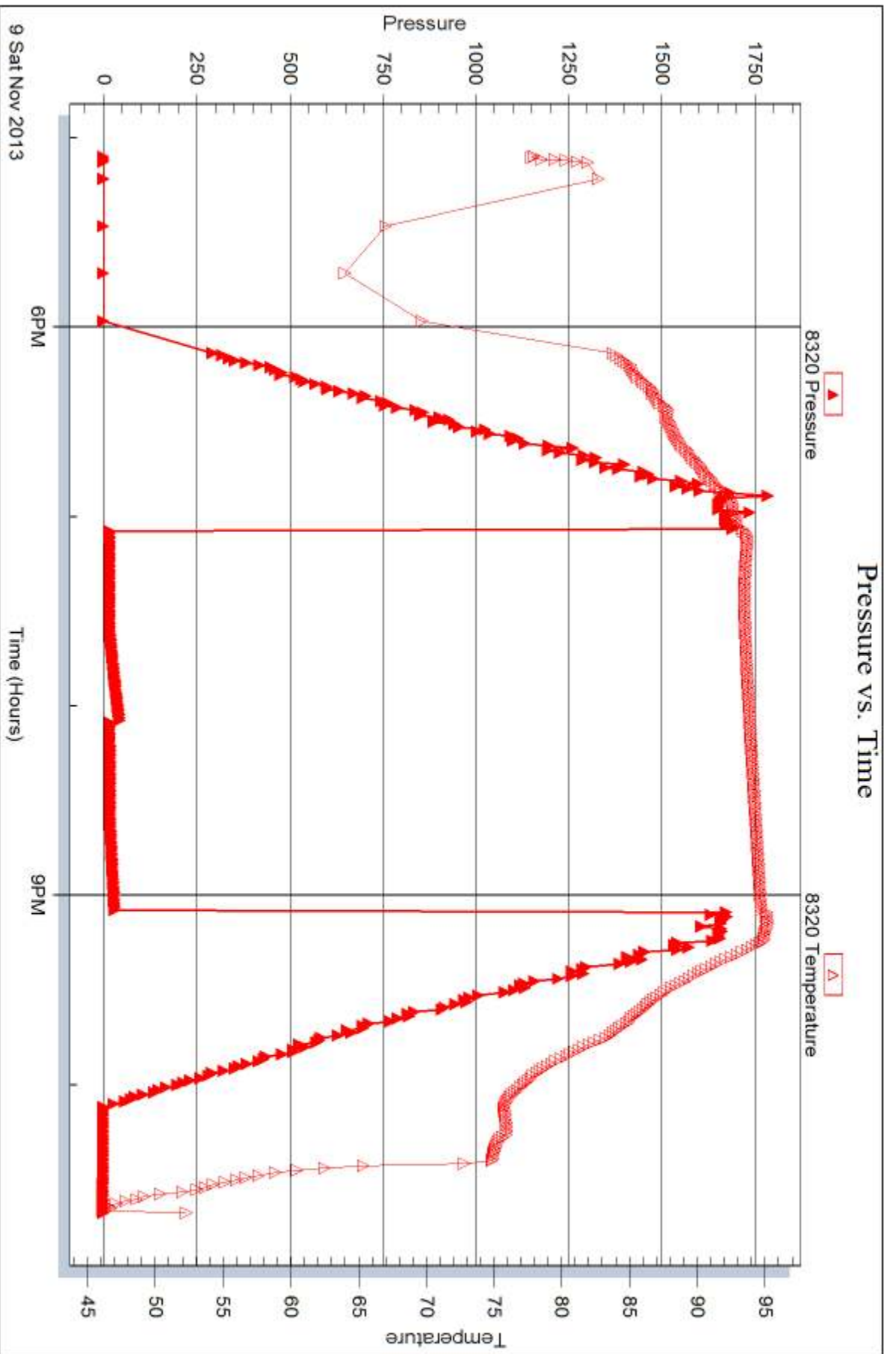
Printed: 2013.11.13 @ 13:45:29

Serial #: 8320

Outside Blue Ridge Petroleum Corp.

Rule #1-31

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55014

Printed: 2013.11.13 @ 13:45:29



DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702+1913

ATTN: Wyatt Urban/Jim Musg

Rule #1-31

31-2s-24w Norton,KS

Start Date: 2013.11.10 @ 14:10:00

End Date: 2013.11.10 @ 19:49:00

Job Ticket #: 55015 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.13 @ 13:45:00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

31-2s-24w Norton, KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55015

DST#: 3

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.10 @ 14:10:00

GENERAL INFORMATION:

Formation: **LKC "H - L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:13:15

Time Test Ended: 19:49:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 150

Interval: 3490.00 ft (KB) To 3590.00 ft (KB) (TVD)

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2421.00 ft (KB)

2416.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press@RunDepth: 24.76 psig @ 3491.00 ft (KB)

Start Date: 2013.11.10

End Date:

2013.11.10

Start Time: 14:10:05

End Time:

19:48:59

Capacity: 8000.00 psig

Last Calib.: 2013.11.10

Time On Btm: 2013.11.10 @ 16:12:45

Time Off Btm: 2013.11.10 @ 18:18:15

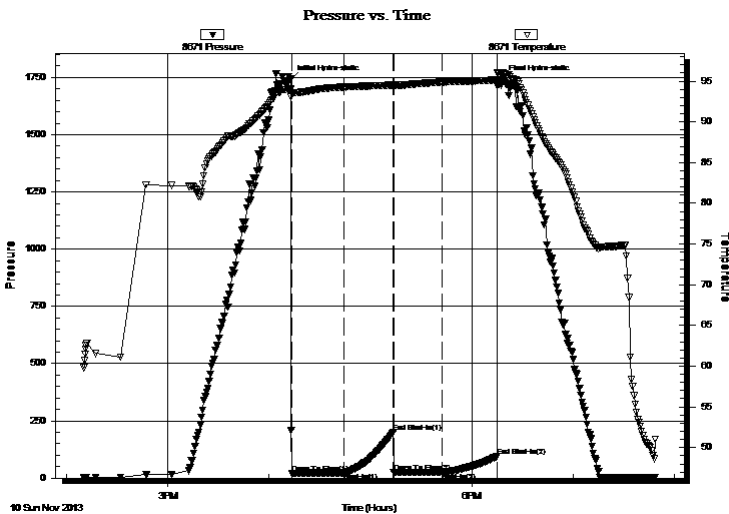
TEST COMMENT: 30 - IF: 1/4" blow at open, built to just over 1"

30 - ISI: No blow back

30 - FF: No blow

30 - FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.42	94.04	Initial Hydro-static
1	21.48	93.47	Open To Flow (1)
32	23.24	94.27	Shut-In(1)
61	199.59	94.52	End Shut-In(1)
62	24.36	94.49	Open To Flow (2)
90	24.76	94.90	Shut-In(2)
123	95.41	95.14	End Shut-In(2)
126	1742.12	96.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Mud w /trace of oil 100%m	0.08

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55015

DST#: 3

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.10 @ 14:10:00

Tool Information

Drill Pipe:	Length: 3489.00 ft	Diameter: 3.80 inches	Volume: 48.94 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 48.94 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3490.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	100.00 ft				
Tool Length:	128.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3467.00	
Hydraulic tool	5.00			3472.00	
Jars	5.00			3477.00	
Safety Joint	3.00			3480.00	
Packer	5.00			3485.00	28.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	8671	Inside	3491.00	
Recorder	0.00	8320	Outside	3491.00	
Perforations	29.00			3520.00	
Blank Spacing	66.00			3586.00	
Perforations	1.00			3587.00	
Bullnose	3.00			3590.00	100.00 Bottom Packers & Anchor

Total Tool Length: 128.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55015

DST#: 3

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.10 @ 14:10:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Mud w /trace of oil 100%m	0.084

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

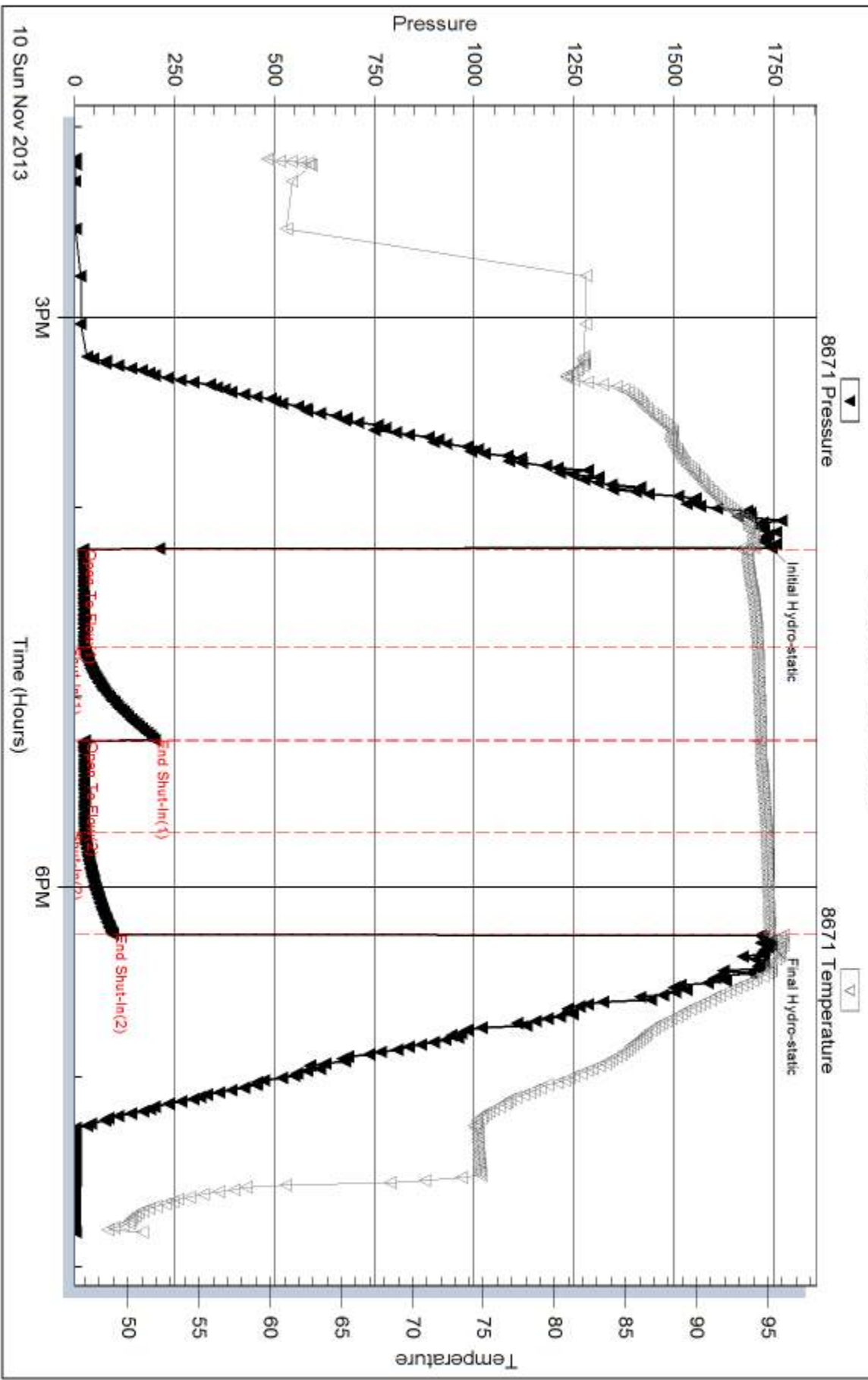
Serial #:

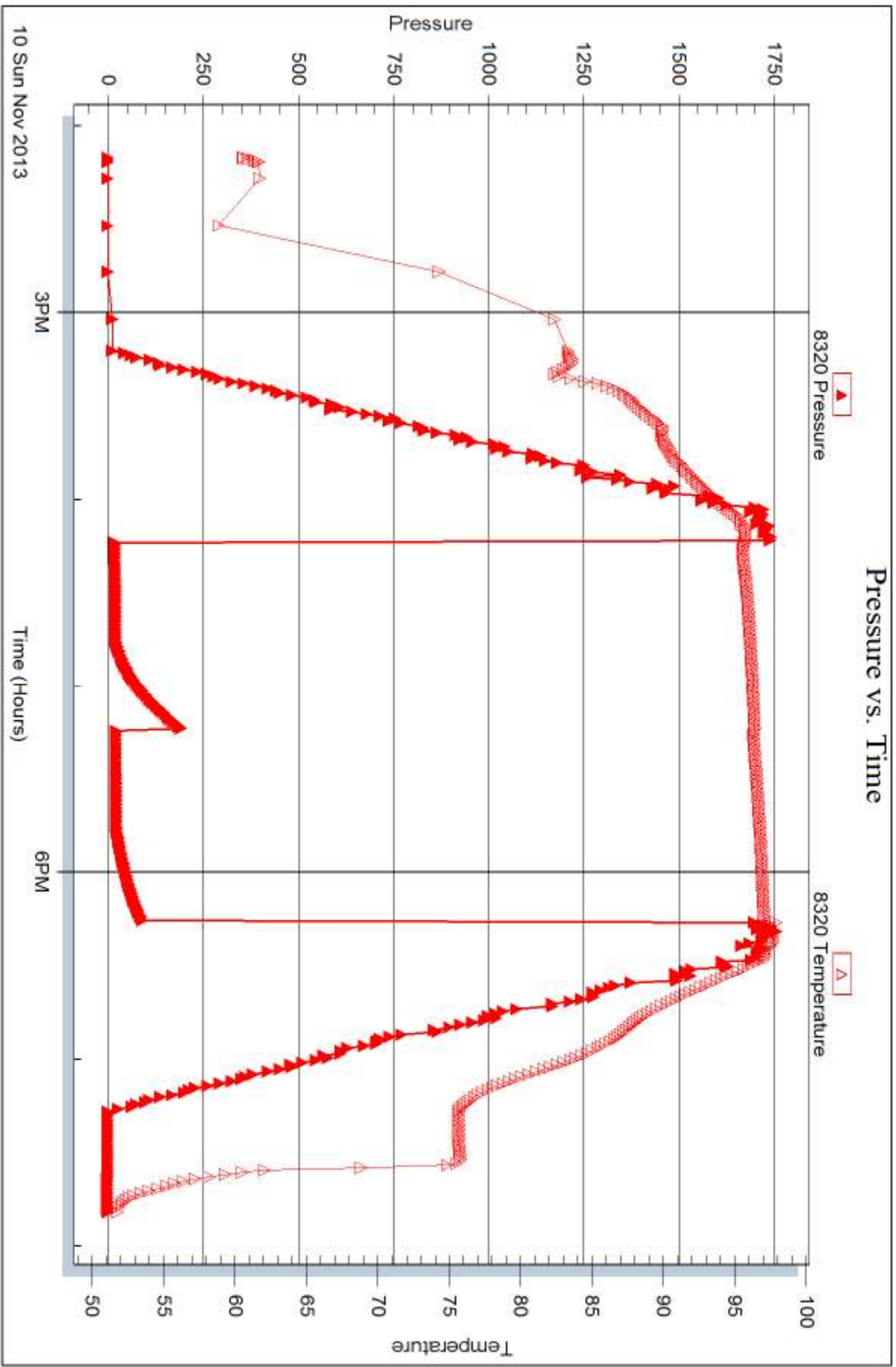
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corp.**

PO Box 1913
Enid, OK 73702+1913

ATTN: Wyatt Urban/Jim Musg

Rule #1-31

31-2s-24w Norton,KS

Start Date: 2013.11.11 @ 12:02:00

End Date: 2013.11.11 @ 18:17:45

Job Ticket #: 55016 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.13 @ 13:39:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blue Ridge Petroleum Corp.

31-2s-24w Norton, KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55016

DST#: 4

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.11 @ 12:02:00

GENERAL INFORMATION:

Formation: **Granite Wash**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:05:30

Time Test Ended: 18:17:45

Test Type: Conventional Straddle (Reset)

Tester: James Winder

Unit No: 150

Interval: 3584.00 ft (KB) To 3684.00 ft (KB) (TVD)

Reference Elevations: 2421.00 ft (KB)

Total Depth: 3897.00 ft (KB) (TVD)

2416.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press@RunDepth: 173.51 psig @ 3585.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.11

End Date:

2013.11.11

Last Calib.:

2013.11.11

Start Time: 12:02:05

End Time:

18:17:44

Time On Btm:

2013.11.11 @ 14:05:15

Time Off Btm:

2013.11.11 @ 16:00:45

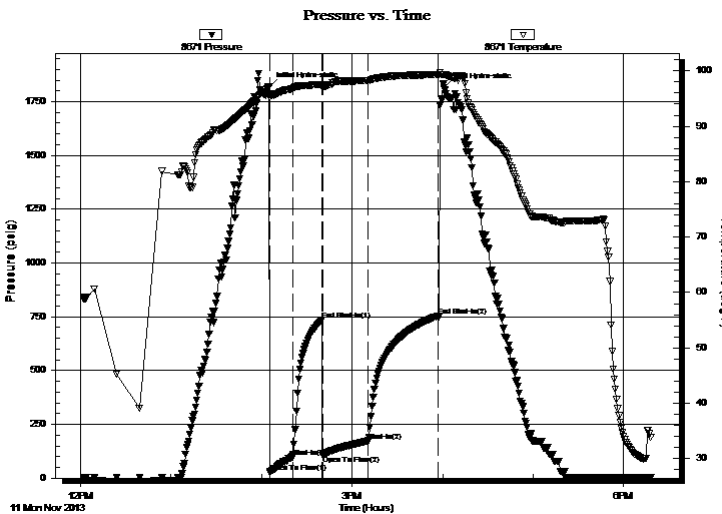
TEST COMMENT: 15 - IF: Blow built to BOB (11") in 8 1/2 min.

20 - IS: No blow back

30 - FF: Blow built to BOB in 7 min.

45 - FS: Blow back built to 7 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.61	95.93	Initial Hydro-static
1	26.66	95.15	Open To Flow (1)
16	98.78	96.87	Shut-In(1)
35	735.28	97.55	End Shut-In(1)
35	105.20	97.16	Open To Flow (2)
66	173.51	98.24	Shut-In(2)
112	754.21	99.31	End Shut-In(2)
116	1815.18	99.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	GOCM 50%o, 33%o, 17%g	3.58
95.00	GMCO 56%o, 36%o, 8%g	1.33
0.00	GIP = 285'	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55016

DST#: 4

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.11 @ 12:02:00

Tool Information

Drill Pipe:	Length: 3585.00 ft	Diameter: 3.80 inches	Volume: 50.29 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 50.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3584.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3684.00 ft			
Interval between Packers:	100.00 ft			
Tool Length:	141.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			3561.00	
Hydraulic tool	5.00			3566.00	
Jars	5.00			3571.00	
Safety Joint	3.00			3574.00	
Packer	5.00			3579.00	28.00 Bottom Of Top Packer
Packer	5.00			3584.00	
Stubb	1.00			3585.00	
Recorder	0.00	8671	Inside	3585.00	
Recorder	0.00	8320	Outside	3585.00	
Perforations	5.00			3590.00	
Blank Spacing	65.00			3655.00	
Perforations	24.00			3679.00	
Blank Off Sub	1.00			3680.00	
Blank Spacing	4.00			3684.00	100.00 Tool Interval
Packer	0.00			3684.00	
Packer - Shale	0.00			3684.00	
Stubb	1.00			3685.00	
Recorder	0.00	8366	Below	3685.00	
Perforations	9.00			3694.00	
Bullnose	3.00			3697.00	13.00 Bottom Packers & Anchor

Total Tool Length: 141.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corp.

31-2s-24w Norton,KS

PO Box 1913
Enid, OK 73702+1913

Rule #1-31

Job Ticket: 55016

DST#: 4

ATTN: Wyatt Urban/Jim Musg

Test Start: 2013.11.11 @ 12:02:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 6.39 in³
Resistivity: ohm.m
Salinity: 1500.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	GOCM 50% <i>m</i> , 33% <i>o</i> , 17% <i>g</i>	3.577
95.00	GMCO 56% <i>o</i> , 36% <i>m</i> , 8% <i>g</i>	1.333
0.00	GIP = 285'	0.000

Total Length: 350.00 ft Total Volume: 4.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8671

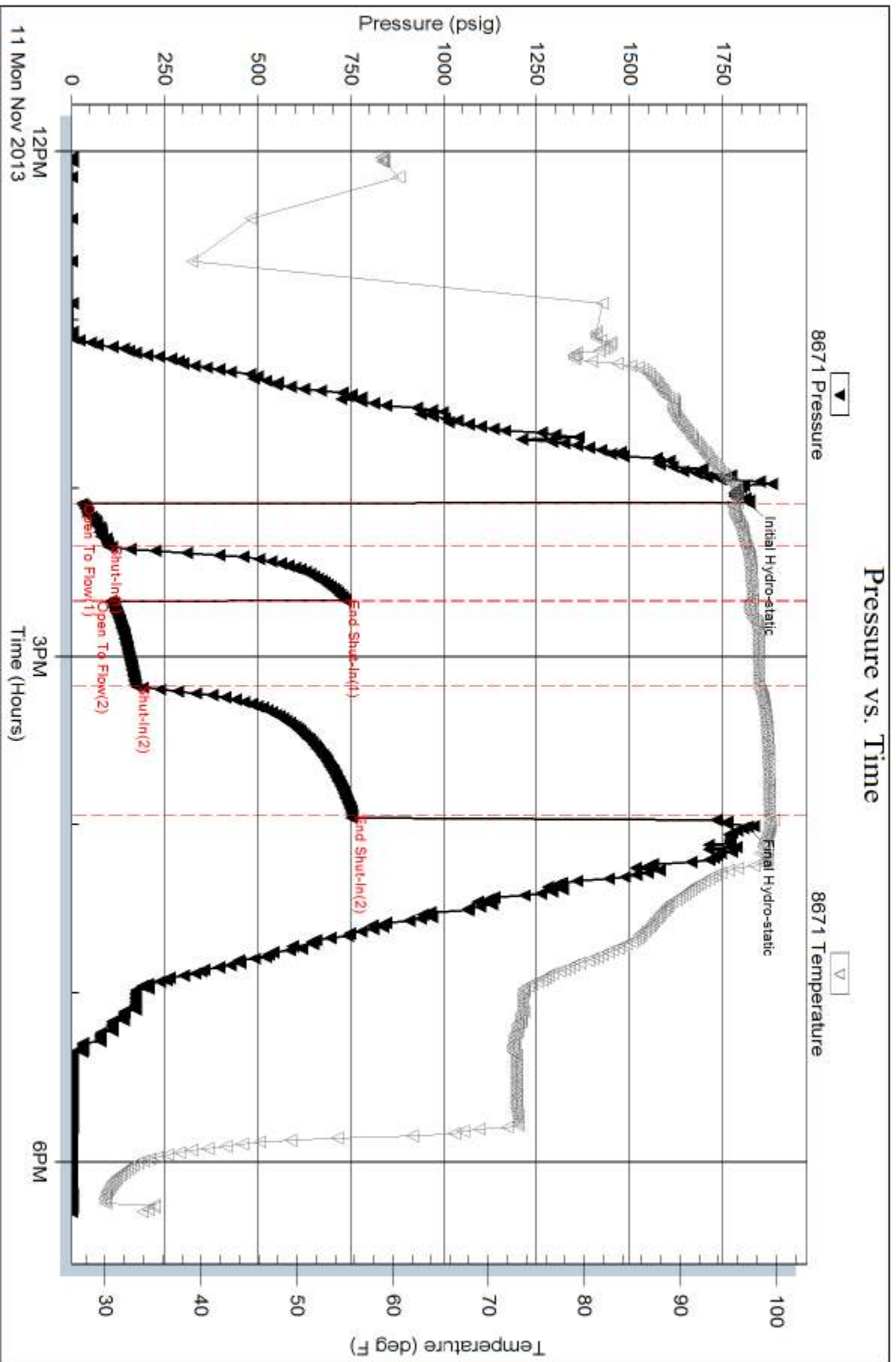
Inside

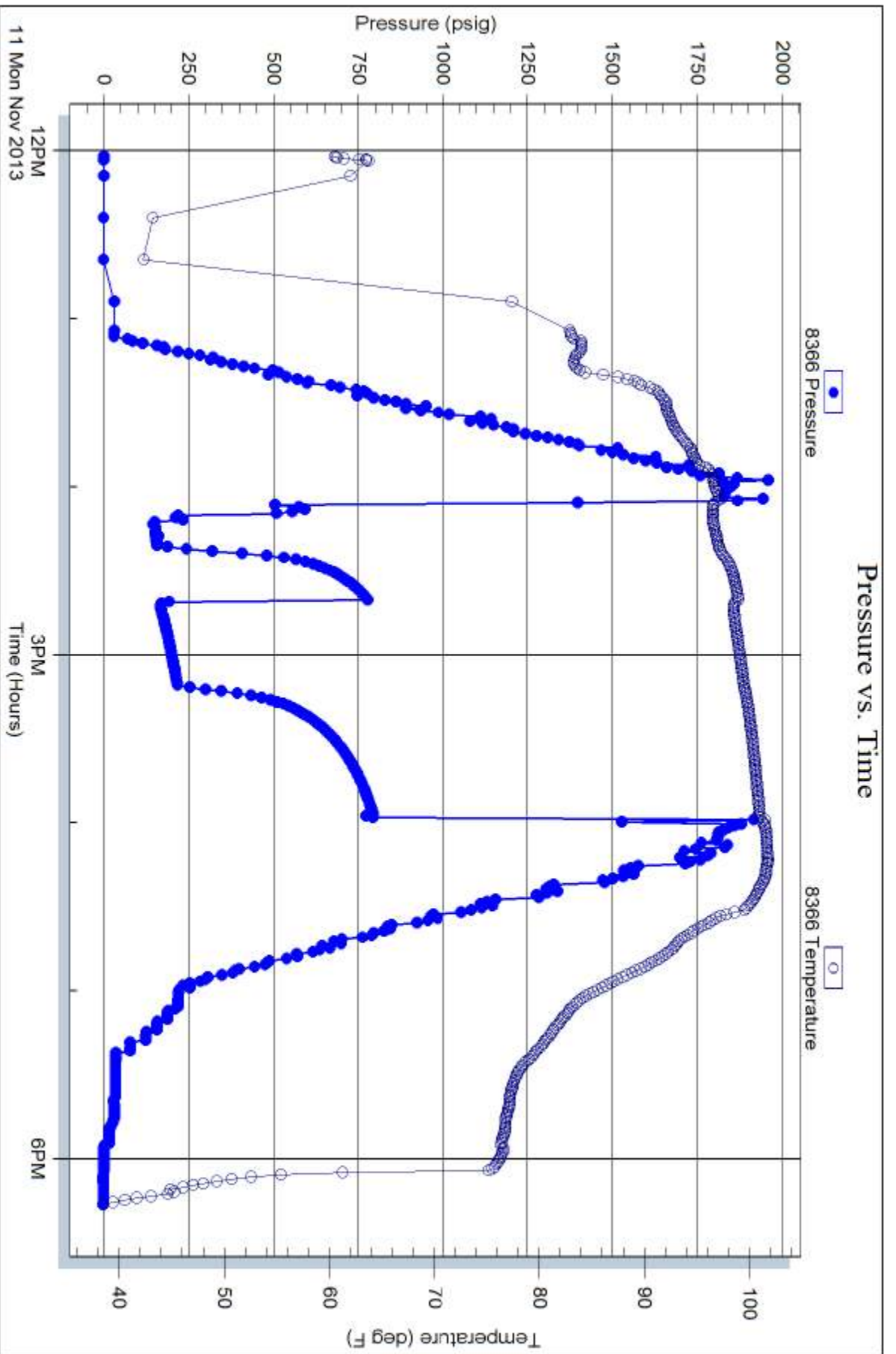
Blue Ridge Petroleum Corp.

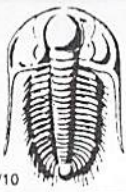
Rule #1-31

DST Test Number: 4

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55013**

Well Name & No. Rule #1-31 Test No. 1 Date 11-8-13
 Company Blue Ridge Petroleum Corp Elevation 2421 KB 2416 GL
 Address PO Box 1913 Enid OK 73702-1913
 Co. Rep / Geo. Wyatt Urban Rig LD #1
 Location: Sec. 31 Twp. 2S Rge. 24W Co. Norton State KS

Interval Tested 3391-3435 Zone Tested Lan "A-C"
 Anchor Length 44 Drill Pipe Run 3395 Mud Wt. 8.9
 Top Packer Depth 3386 Drill Collars Run - Vis 48
 Bottom Packer Depth 3391 Wt. Pipe Run - WL 5.8
 Total Depth 3435 Chlorides 700 ppm System LCM 2

Blow Description IF: Blow built to BOB (11") in 26 min.
ISI: No blowback
FF: Blow built to BOB in 43 min.
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>94</u>	<u>WM w/trace of oil</u>	<u>trace</u>	<u>41</u>	<u>59</u>	
<u>126</u>	<u>MCW w/trace of oil</u>	<u>trace</u>	<u>77</u>	<u>23</u>	

Rec Total 220 BHT 95 Gravity - API RW 180 @ 45.5 °F Chlorides 66,000 ppm
 (A) Initial Hydrostatic 1663 Test X 1150 T-On Location 8:00/23:15
 (B) First Initial Flow 27 Jars X 250 T-Started 23:50
 (C) First Final Flow 71 Safety Joint X 75 T-Open 1:55
 (D) Initial Shut-In 984 Circ Sub ANA T-Pulled 4:43
 (E) Second Initial Flow 75 Hourly Standby _____ T-Out 6:30 '19
 (F) Second Final Flow 120 Mileage 50 RT X2 ^{Rig had to short trip again} _{I went back home} Comments See called just after I got here to say it would be 8:30 OB instead of 6:00
 (G) Final Shut-In 1016 Sampler _____ Ruined Shale Packer _____
 (H) Final Hydrostatic 1650 Straddle _____ Ruined Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1630
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1630

Approved By _____ Our Representative James Winder

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55014

Well Name & No. Rule #1-31 Test No. 2 Date 11-9-13
 Company Blue Ridge Petroleum Corp. Elevation 2421 KB 2416 GL
 Address PO Box 1913 Enid OK 73702-1913
 Co. Rep / Geo. Clint Musgrove Rig L.D. #1
 Location: Sec. 31 Twp. 2s Rge. 24w Co. Norton State KS

Interval Tested 3435 - 3484 Zone Tested Lans. "D-F"
 Anchor Length 49 Drill Pipe Run 3426 Mud Wt. 9.2
 Top Packer Depth 3430 Drill Collars Run - Vis 50
 Bottom Packer Depth 3435 Wt. Pipe Run - WL 6.4
 Total Depth 3484 Chlorides 2400 ppm System LCM 2

Blow Description IF: 1/8" Blow at open, built slightly then died back, dead at 18min
ISI: No blowback
FF: No blow
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				<u>100</u>
	<u>Oil spots in tail</u>				

Rec Total 2 BHT _____ Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1692 Test * 1150 T-On Location 16:20
 (B) First Initial Flow 20 Jars * 250 T-Started 17:06
 (C) First Final Flow 21 Safety Joint * 75 T-Open 19:03
 (D) Initial Shut-In 47 Circ Sub ANA T-Pulled 21:03
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 22:30
 (F) Second Final Flow 22 Mileage 50 RT 77.50 Comments _____
 (G) Final Shut-In 34 Sampler _____
 (H) Final Hydrostatic 1681 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Shale Packer _____ Ruined Packer _____
 Final Flow 30 Extra Packer _____ Extra Copies _____
 Final Shut-In 30 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1552.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1552.50

Approved By _____ Our Representative James Windu

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55015**

Well Name & No. Rule #1-31 Test No. 3 Date 11-10-13
 Company Blue Ridge Petroleum Corp Elevation 2421 KB 2416 GL
 Address PO Box 1913 Enid, OK 73702-1913
 Co. Rep / Geo. Jim Musgrove Rig L.D. #1
 Location: Sec. 31 Twp. 2S Rge. 24W Co. Norton State KS

Interval Tested 3490-3590 Zone Tested Lans. "H-L"
 Anchor Length 100 Drill Pipe Run 3489 Mud Wt. 9.4
 Top Packer Depth 3485 Drill Collars Run - Vis 51
 Bottom Packer Depth 3495 Wt. Pipe Run - WL 6.4
 Total Depth 3590 Chlorides 2400 ppm System LCM 2
 Blow Description IF: 1/4" blow at open, built to just over 1"
ISI: No blowback
FF: No blow
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>6</u>	<u>Mud w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>-</u>	<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 6 BHT 95 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1742</u>	<input type="checkbox"/> Test <u>*</u> 1150	T-On Location <u>13:00</u>
(B) First Initial Flow <u>21</u>	<input type="checkbox"/> Jars <u>*</u> 250	T-Started <u>14:10</u>
(C) First Final Flow <u>23</u>	<input type="checkbox"/> Safety Joint <u>*</u> 75	T-Open <u>16:13</u>
(D) Initial Shut-In <u>200</u>	<input type="checkbox"/> Circ Sub <u>*NA</u>	T-Pulled <u>18:15</u>
(E) Second Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>19:45</u>
(F) Second Final Flow <u>25</u>	<input type="checkbox"/> Mileage <u>50 RT</u> 77.50	Comments _____
(G) Final Shut-In <u>95</u>	<input checked="" type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1742</u>	<input checked="" type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer <u>*</u> 320
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1872.50</u>
	<input checked="" type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1552.50</u>	

Approved By _____ Our Representative James Winder

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55016

Well Name & No. Rule #1-31 Test No. 4 Date 11-11-13
 Company Blue Ridge Petroleum Corp. Elevation 2421 KB 2416 GL
 Address PO Box 1913 Enid, OK 73702-1913
 Co. Rep / Geo. Jim Musgrave Rig LD
 Location: Sec. 31 Twp. 2S Rge. 24W Co. Norton State KS

Interval Tested 3584-3684 Zone Tested Granite Wash
 Anchor Length 100' 13' Tail Drill Pipe Run 3585 Mud Wt. 9.5
 Top Packer Depth 3579-3584 Drill Collars Run - Vis 56
 Bottom Packer Depth 3684 (shale) Wt. Pipe Run - WL 6.4
 Total Depth 3697 Chlorides 1500 ppm System LCM 1 1/2
 Blow Description IF: Blow built to BOB in 8 1/2 min. (11")
ISI: No blowback
FF: Blow built to BOB in 7 min.
FSI: Blowback built to 7 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>GMCO</u>	<u>8</u>	<u>56</u>	<u>-</u>	<u>36</u>
<u>255</u>	<u>GOCM</u>	<u>17</u>	<u>33</u>	<u>-</u>	<u>50</u>
	<u>GIP = 285'</u>				

Rec Total 350 Fluid 285 gas BHT 99 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1821 Test * 950 T-On Location 11:25
 (B) First Initial Flow 27 Jars * 250 T-Started 12:02
 (C) First Final Flow 99 Safety Joint * 75 T-Open 14:05
 (D) Initial Shut-In 735 Circ Sub * NA T-Pulled 15:56
 (E) Second Initial Flow 105 Hourly Standby _____ T-Out 18:15
 (F) Second Final Flow 174 Mileage 50 RT 77.50 Comments _____
 (G) Final Shut-In 754 Sampler 600 _____
 (H) Final Hydrostatic 1815 Straddle * _____ Ruined Shale Packer _____
 Shale Packer * 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2202.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2202.50

Approved By _____ Our Representative James Winder

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