

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica, KS 67009

ATTN: Tim Pierce

Dohm B #1

23-32s-10w Barber,KS

Start Date: 2014.03.15 @ 19:01:18

End Date: 2014.03.16 @ 01:44:03

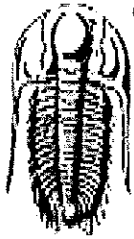
Job Ticket #: 51967 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.24 @ 11:55:05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51967

DST#:1

ATTN: Tim Pierce

Test Start: 2014.03.15 @ 19:01:18

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:15:33

Time Test Ended: 01:44:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: **4094.00 ft (KB) To 4118.00 ft (KB) (TVD)**

Reference Elevations: 1448.00 ft (KB)

Total Depth: 4118.00 ft (KB) (TVD)

1438.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 71.45 psig @ 4095.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.15

End Date:

2014.03.16

Last Calib.: 2014.03.16

Start Time: 19:01:19

End Time:

01:44:03

Time On Btm: 2014.03.15 @ 21:14:03

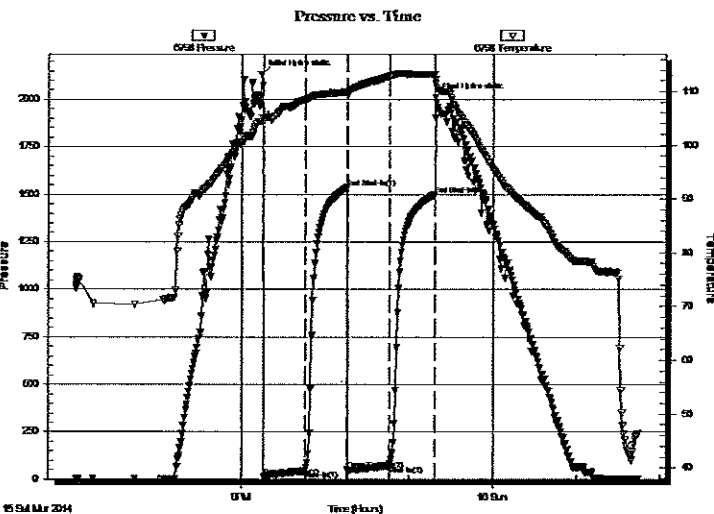
Time Off Btm: 2014.03.15 @ 23:18:48

TEST COMMENT: IF: Weak 1 inch Blow

IS: No Blow Back

FF: No Blow

FSt: No Blow Back



PRESSURE SUMMARY

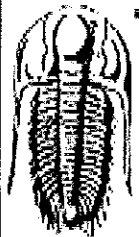
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.05	104.45	Initial Hydro-static
2	15.23	104.57	Open To Flow (1)
32	44.73	108.47	Shut-In(1)
62	1537.01	109.94	End Shut-In(1)
62	49.15	109.35	Open To Flow (2)
92	71.45	112.81	Shut-In(2)
124	1500.74	113.18	End Shut-In(2)
125	2009.26	111.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	0.61

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51967

DST#: 1

ATTN: Tim Fierce

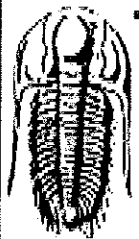
Test Start: 2014.03.15 @ 19:01:18

Tool Information

Drill Pipe:	Length: 3962.00 ft	Diameter: 3.80 inches	Volume: 55.58 bbl	Tool Weight: 2100.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.19 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4094.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	43.00 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			4080.00	
Hydraulic tool	5.00			4085.00	
Packer	5.00			4090.00	19.00 Bottom Of Top Packer
Packer	4.00			4094.00	
Stubb	1.00			4095.00	
Recorder	0.00	6798	Inside	4095.00	
Recorder	0.00	8367	Outside	4095.00	
Perforations	20.00			4115.00	
Bullnose	3.00			4118.00	24.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51967

DST#: 1

ATTN: Tim Pierce

Test Start: 2014.03.15 @ 19:01:18

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: 95000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Water	0.610

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .13 @ 45 degrees

Serial #: 6798

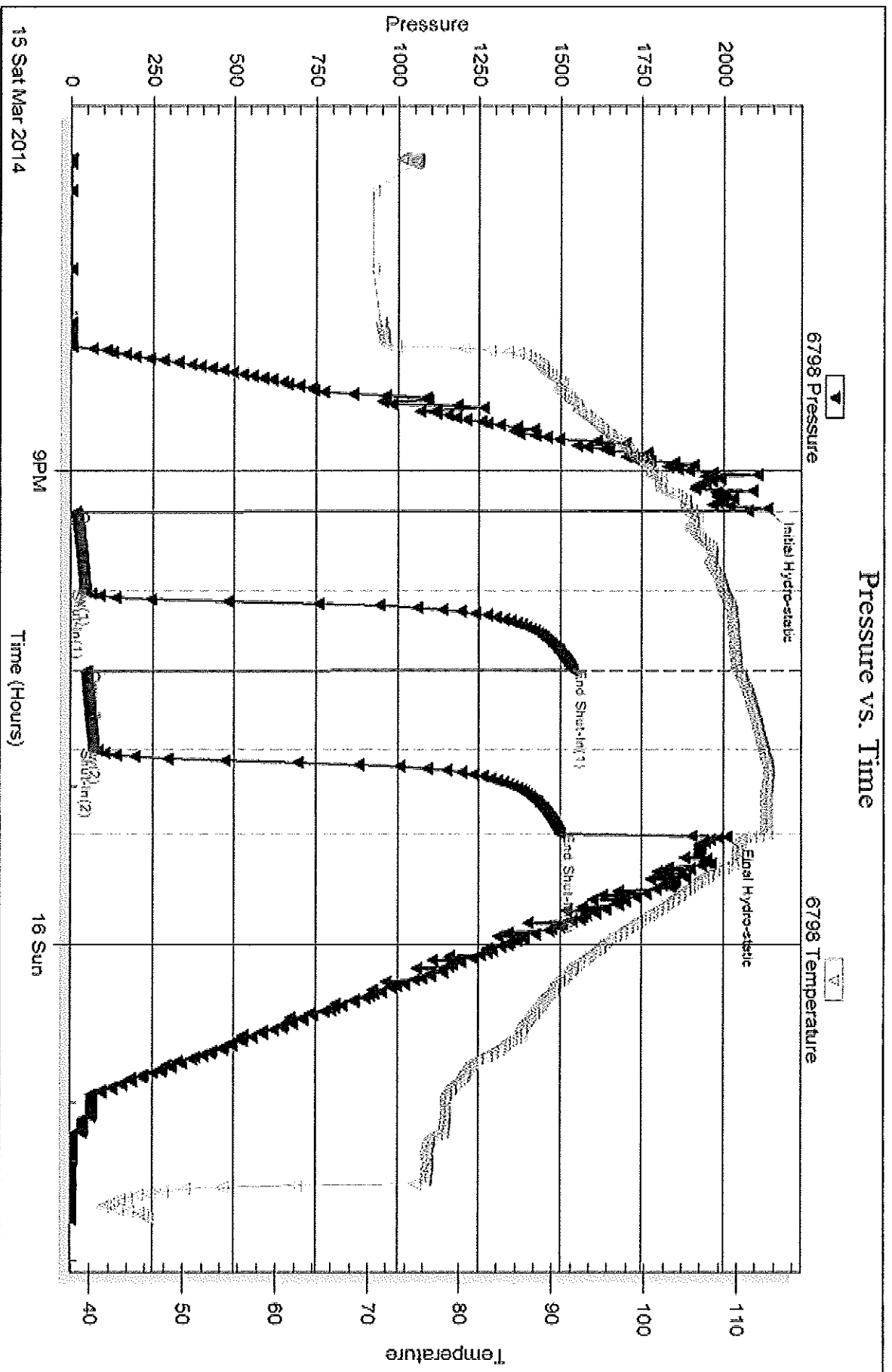
Inside

R & B Oil & Gas

Well B#1

DST Test Number: 1

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 51967

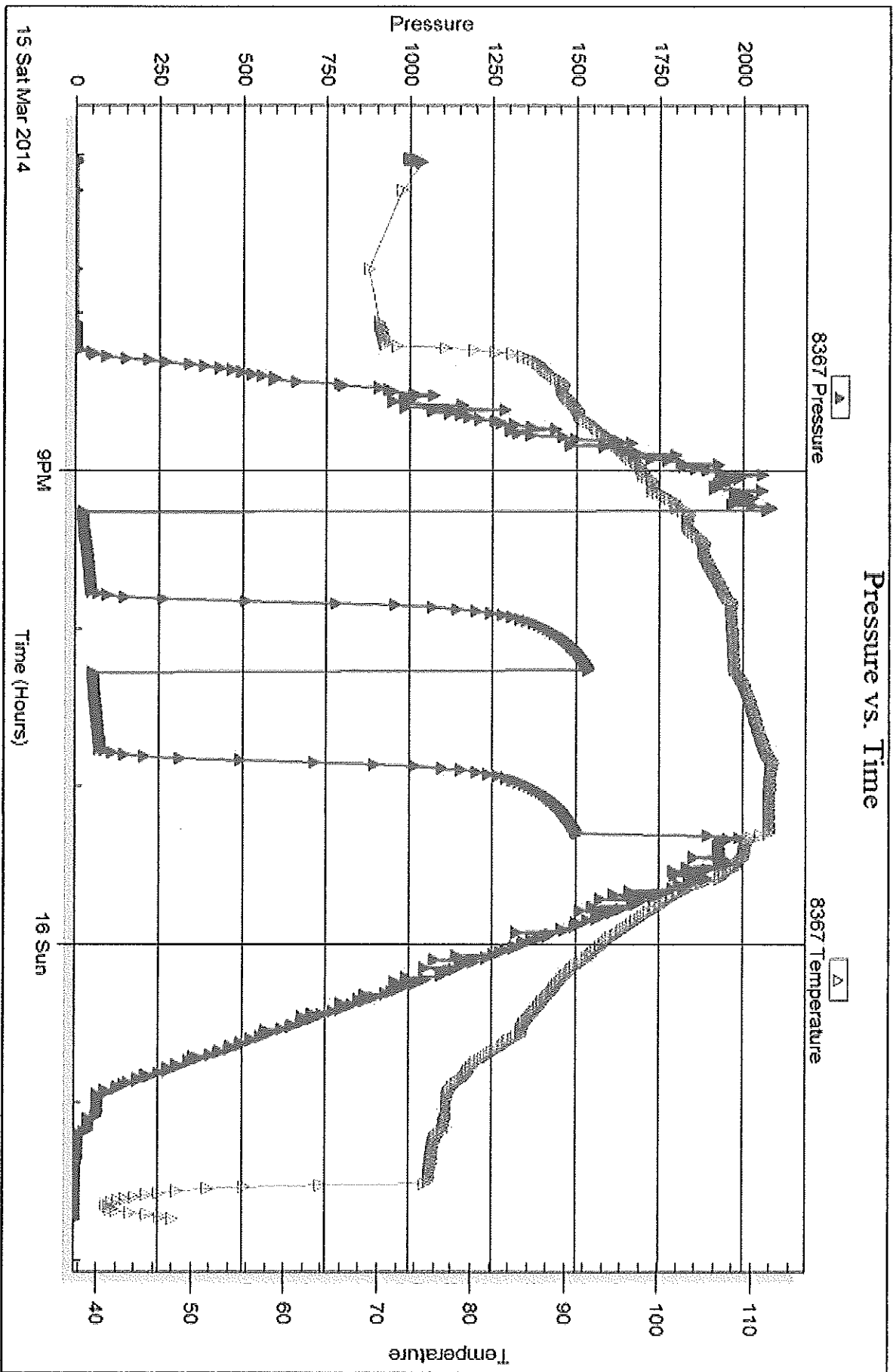
Printed: 2014.03.24 @ 11:55:08

Serial #: 8367

Outside R & B Oil & Gas

Well B#1

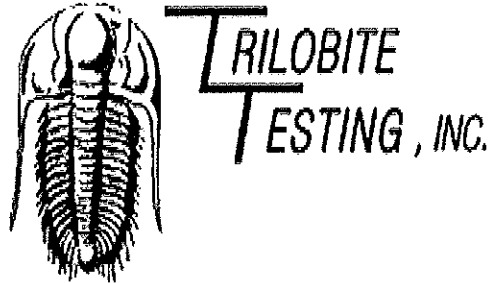
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 51967

Printed: 2014.03.24 @ 11:55:09



DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica, KS 67009

ATTN: Tim Pierce

Dohm B #1

23-32s-10w Barber,KS

Start Date: 2014.03.16 @ 16:37:13

End Date: 2014.03.16 @ 23:41:43

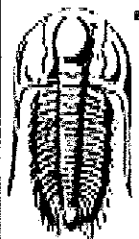
Job Ticket #: 51968 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.24 @ 11:53:37



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51968

DST#: 2

ATTN: Tim Pierce

Test Start: 2014.03.16 @ 16:37:13

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:38:58

Time Test Ended: 23:41:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: **4386.00 ft (KB) To 4386.00 ft (KB) (TVD)**

Total Depth: 4386.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1448.00 ft (KB)

1438.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 84.18 psig @ 4364.00 ft (KB)

Start Date: 2014.03.16

End Date: 2014.03.16

Start Time: 16:37:14

End Time: 23:41:43

Capacity: 8000.00 psig

Last Calib.: 2014.03.16

Time On Btm: 2014.03.16 @ 18:36:58

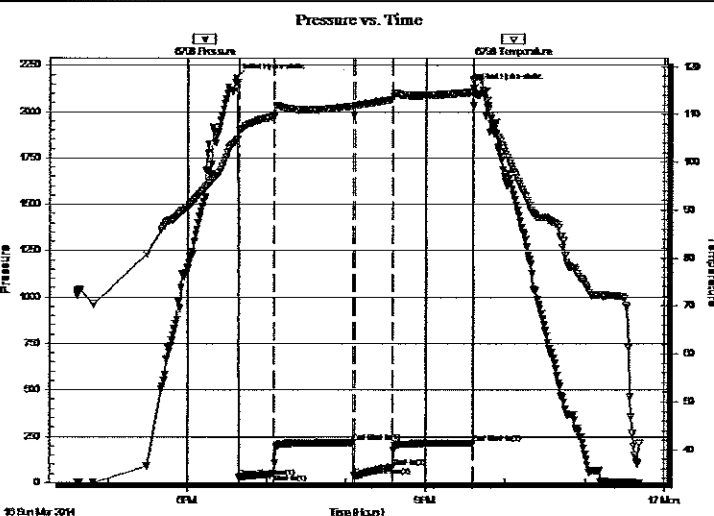
Time Off Btm: 2014.03.16 @ 21:36:13

TEST COMMENT: IF: Strong Blow, BOB in 1 minute, GTS in 22 minutes, Gauged Gas

IS: Weak Surface Blow Back

FF: Strong Blow, BOB & GTS immediate, Gauged Gas

FSt: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.71	104.57	Initial Hydro-static
2	28.84	106.59	Open To Flow (1)
29	47.22	109.64	Shut-In(1)
88	218.13	111.78	End Shut-In(1)
90	35.06	111.76	Open To Flow (2)
118	84.18	113.17	Shut-In(2)
179	215.85	114.66	End Shut-In(2)
180	2128.68	116.95	Final Hydro-static

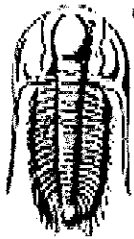
Recovery

Length (ft)	Description	Volume (bbl)
0.00	4234 GIP	0.00
129.00	SOCM 2%O 98%M	0.68

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	41.88
Last Gas Rate	0.25	44.00	92.65
Max. Gas Rate	0.25	44.00	92.65



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51968

DST#:2

ATTN: Tim Pierce

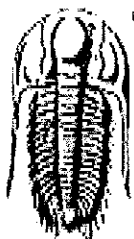
Test Start: 2014.03.16 @ 16:37:13

Tool Information

Drill Pipe:	Length: 4239.00 ft	Diameter: 3.80 inches	Volume: 59.46 bbl	Tool Weight: 2100.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 60.07 bbl		Tool Chased: ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4363.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	42.00 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			4349.00	
Hydraulic tool	5.00			4354.00	
Packer	5.00			4359.00	19.00 Bottom Of Top Packer
Packer	4.00			4363.00	
Stubb	1.00			4364.00	
Recorder	0.00	6798	Inside	4364.00	
Recorder	0.00	8367	Outside	4364.00	
Perforations	19.00			4383.00	
Bullnose	3.00			4386.00	23.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51968

DST#: 2

ATTN: Tim Pierce

Test Start: 2014.03.16 @ 16:37:13

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: 47.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4234 GIP	0.000
129.00	SOCM 2%O 98%M	0.680

Total Length: 129.00 ft Total Volume: 0.680 bbl

Num Fluid Samples: 0

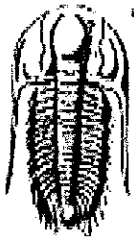
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51968

DST#:2

ATTN: Tim Pierce

Test Start: 2014.03.16 @ 16:37:13

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	30	0.25	12.00	41.88
2	10	0.25	19.00	52.99
2	20	0.25	34.00	76.78
2	30	0.25	44.00	92.65

Serial #: 6798

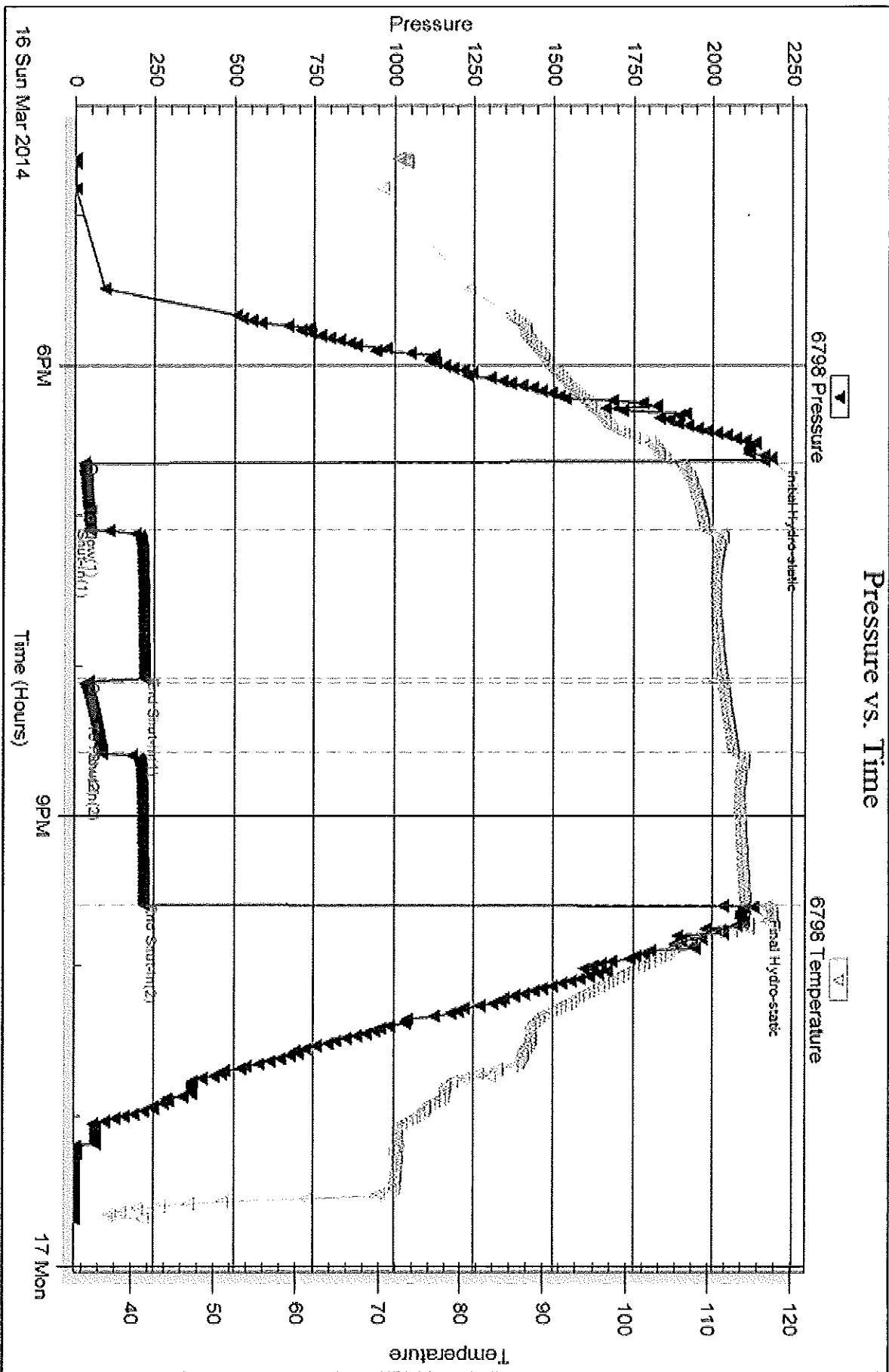
Inside

R & B Oil & Gas

Well B#1

DST Test Number: 2

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 51989

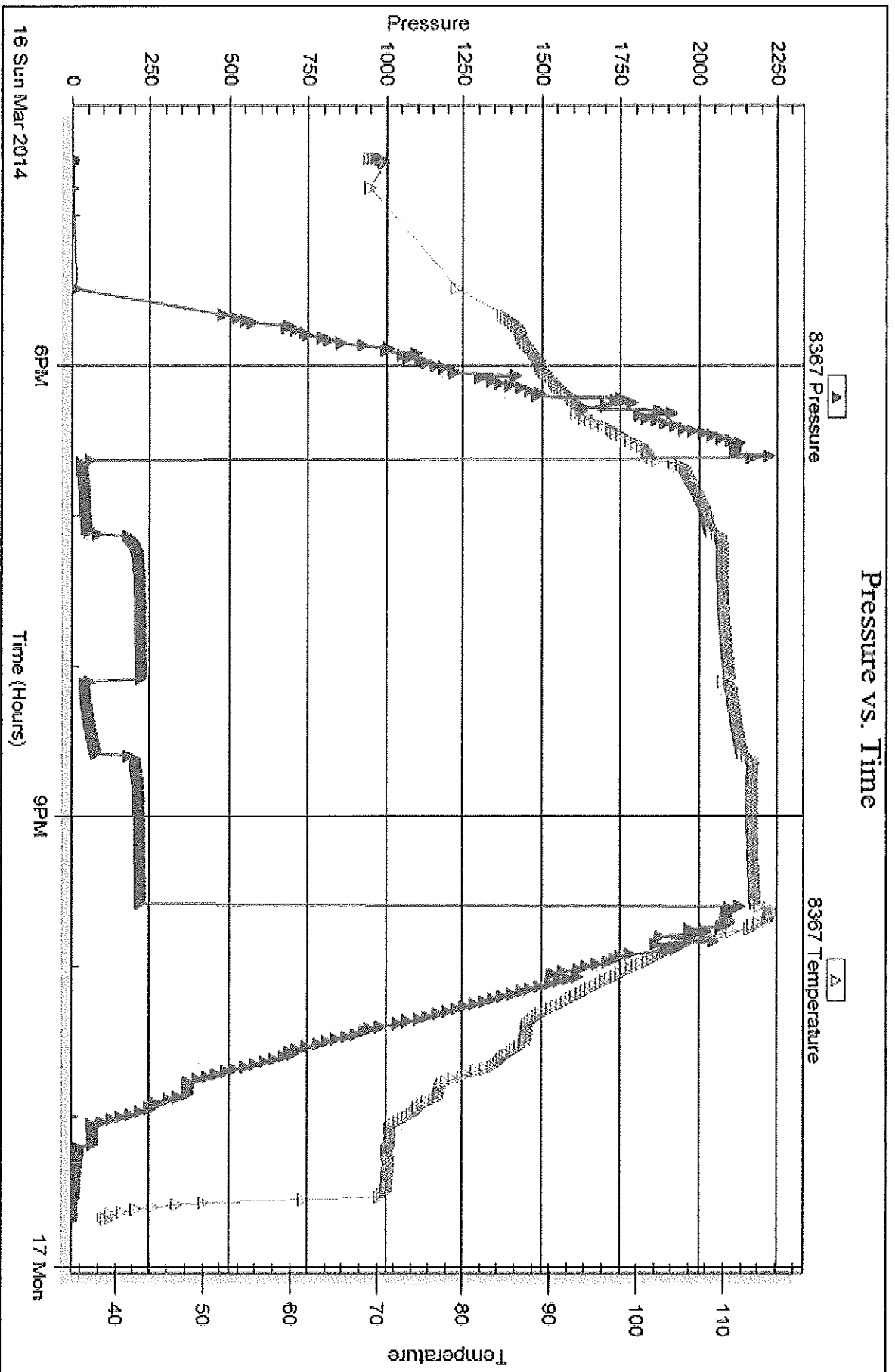
Printed: 2014.03.24 @ 11:53:40

Serial #: 8367

Outside R & B Oil & Gas

Dohm B#1

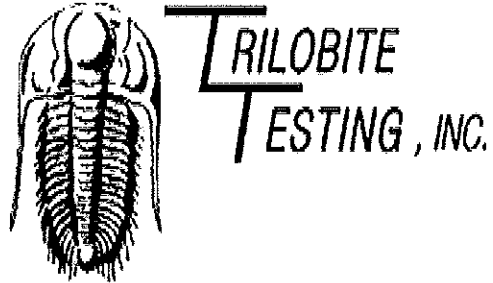
DST Test Number: 2



Trickle Testing, Inc

Ref. No: S1968

Printed: 2014.03.24 @ 11:53:40



DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica, KS 67009

ATTN: Tim Pierce

Dohm B #1

23-32s-10w Barber,KS

Start Date: 2014.03.17 @ 11:16:42

End Date: 2014.03.17 @ 18:33:12

Job Ticket #: 51942 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.24 @ 11:54:32



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51942

DST#:3

ATTN: Tim Pierce

Test Start: 2014.03.17 @ 11:16:42

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:13:57

Time Test Ended: 18:33:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Malt Smith

Unit No: 53

Interval: **4418.00 ft (KB) To 4489.00 ft (KB) (TVD)**

Total Depth: 4489.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1448.00 ft (KB)

1438.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6773**

Outside

Press@RunDepth: 107.38 psig @ 4419.00 ft (KB)

Start Date: 2014.03.17

End Date: 2014.03.17

Start Time: 11:16:47

End Time: 18:33:11

Capacity: 8000.00 psig

Last Calib.: 2014.03.17

Time On Btm: 2014.03.17 @ 13:11:12

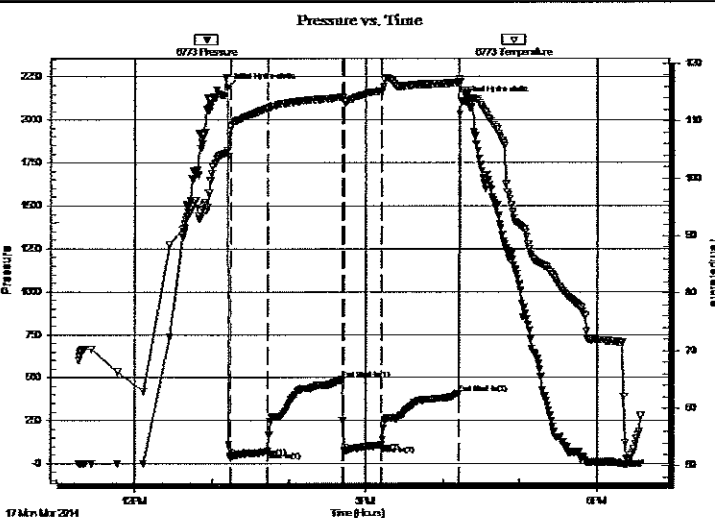
Time Off Btm: 2014.03.17 @ 16:14:12

TEST COMMENT: IF: Strong blow . B.O.B. in 48 secs., GTS in 23 mins., Gauged gas.

IS: Weak blow . Surf., to 1/2" after bleed off.

FF: Strong blow . B.O.B. in 10 secs., GTS immediate, Gauged gas see gas rates report.

FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.58	104.87	Initial Hydro-static
3	41.19	108.90	Open To Flow (1)
32	70.26	112.22	Shut-In(1)
91	490.05	114.21	End Shut-In(1)
92	72.02	113.39	Open To Flow (2)
122	107.38	115.27	Shut-In(2)
182	410.20	116.76	End Shut-In(2)
183	2111.68	116.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOGWCM 8%o 15%g 35%m 42%w	0.30
60.00	SOGWCM 8%o 12%g 32%m 48%w	0.30
60.00	SOGWCM 2%o 22%w 33%m 43%g	0.84
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.50	26.81
Last Gas Rate	0.25	11.00	40.30
Max. Gas Rate	0.25	11.00	40.30

* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51942

DST#: 3

ATTN: Tim Pierce

Test Start: 2014.03.17 @ 11:16:42

Tool Information

Drill Pipe:	Length: 4300.00 ft	Diameter: 3.80 inches	Volume: 60.32 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 60.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4418.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4399.00	
Shut In Tool	5.00			4404.00	
Hydraulic tool	5.00			4409.00	
Packer	4.00			4413.00	20.00 Bottom Of Top Packer
Packer	5.00			4418.00	
Stubb	1.00			4419.00	
Recorder	0.00	6719	Outside	4419.00	
Recorder	0.00	6773	Outside	4419.00	
Perforations	5.00			4424.00	
Change Over Sub	1.00			4425.00	
Blank Spacing	31.00			4456.00	
Change Over Sub	1.00			4457.00	
Perforations	29.00			4486.00	
Bullnose	3.00			4489.00	71.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51942

DST#: 3

ATTN: Tim Pierce

Test Start: 2014.03.17 @ 11:16:42

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:

21000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	SOGWCM 8%o 15%g 35%m 42%w	0.295
60.00	SOGWCM 8%o 12%g 32%m 48%w	0.295
60.00	SOGWCM 2%o 22%w 33%m 43%g	0.842
0.00	GTS	0.000

Total Length: 180.00 ft Total Volume: 1.432 bbl

Num Fluid Samples: 0

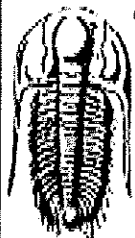
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .04 at 56 degrees



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

R & B Oil & Gas

23-32s-10w Barber, KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51942

DST#: 3

ATTN: Tim Pierce

Test Start: 2014.03.17 @ 11:16:42

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.25	2.50	26.81
1	30	0.25	3.00	27.60
2	10	0.25	6.50	33.16
2	20	0.25	9.00	37.12
2	30	0.25	11.00	40.30

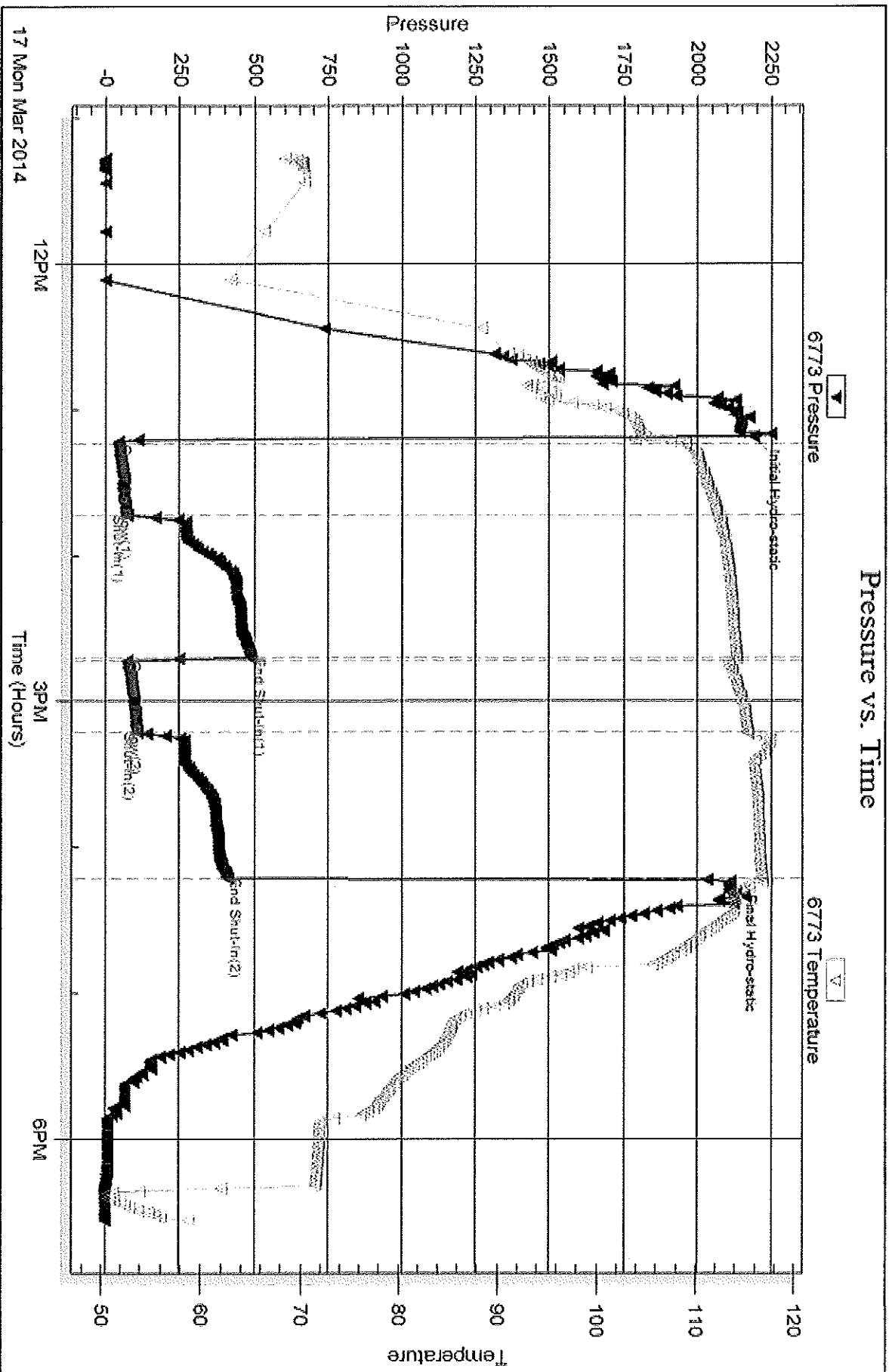
Serial #: 6773

Outside R & B Oil & Gas

Well B#1

DST Test Number 3

Pressure vs. Time

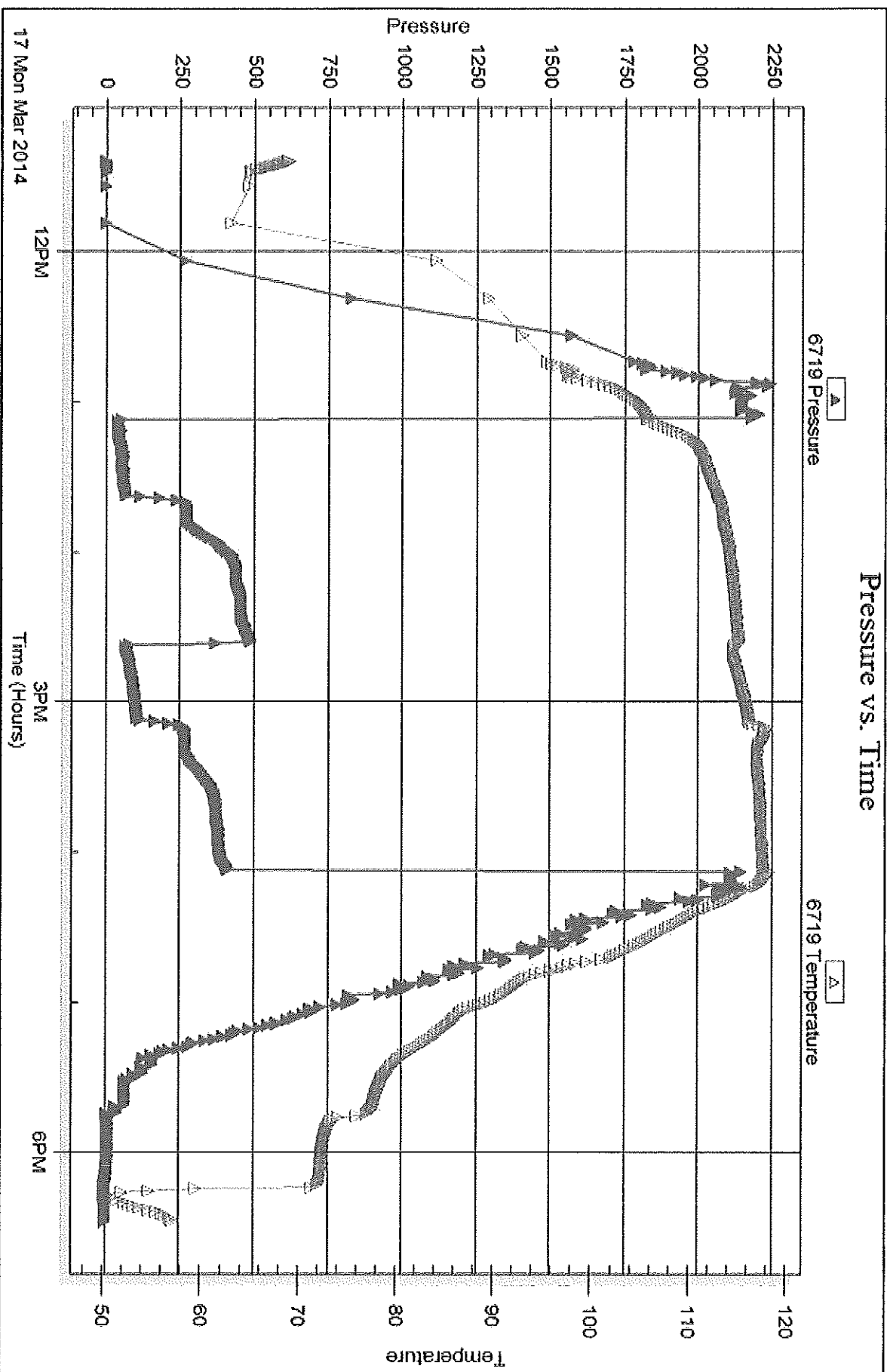


Serial #: 6719

Outside R & B Oil & Gas

Down B#1

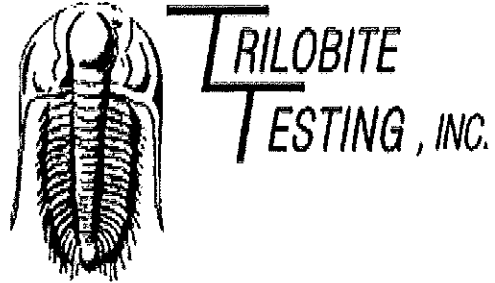
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 51942

Printed: 2014.03.24 @ 11:54:36



DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica, KS 67009

ATTN: Tim Pierce

Dohm B #1

23-32s-10w Barber,KS

Start Date: 2014.03.18 @ 11:32:17

End Date: 2014.03.18 @ 18:46:02

Job Ticket #: 51943 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.24 @ 11:52:29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51943

DST#: 4

ATTN: Tim Pierce

Test Start: 2014.03.18 @ 11:32:17

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:35:32

Time Test Ended: 18:46:02

Interval: **4673.00 ft (KB) To 4707.00 ft (KB) (TVD)**

Total Depth: 4707.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Reference Elevations: 1448.00 ft (KB)

1438.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6773

Outside

Press@RunDepth: 25.92 psig @ 4674.00 ft (KB)

Start Date: 2014.03.18

End Date:

2014.03.18

Start Time: 11:32:22

End Time:

18:46:01

Capacity: 8000.00 psig

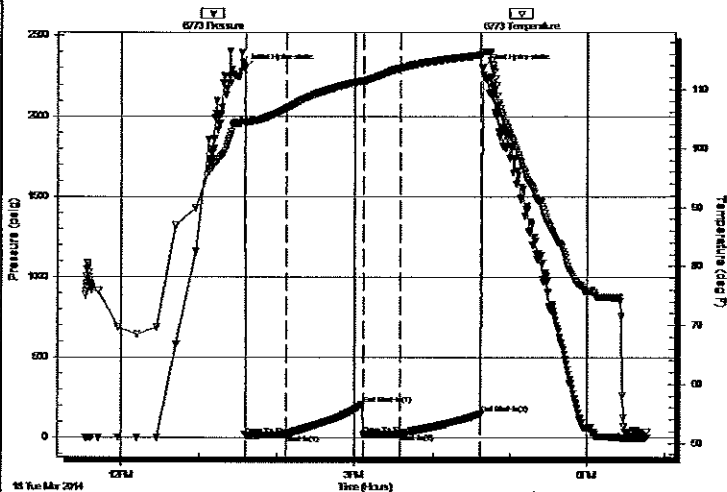
Last Calib.: 2014.03.18

Time On Btm: 2014.03.18 @ 13:34:32

Time Off Btm: 2014.03.18 @ 16:38:17

TEST COMMENT: IF: Weak blow . Surf., to 3 1/4".
IS: No blow.
FF: Weak blow . Surf., to 1 1/4"
FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.97	104.86	Initial Hydro-static
1	16.24	104.44	Open To Flow (1)
32	20.21	106.72	Shut-In(1)
92	208.70	111.50	End Shut-In(1)
93	18.83	111.47	Open To Flow (2)
121	25.92	113.62	Shut-In(2)
183	150.33	115.88	End Shut-In(2)
184	2299.45	116.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig mud trc oil 100% ^m	0.10

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51943

DST#: 4

ATTN: Tim Pierce

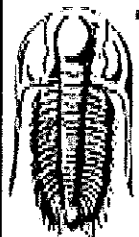
Test Start: 2014.03.18 @ 11:32:17

Tool Information

Drill Pipe:	Length: 4552.00 ft	Diameter: 3.80 inches	Volume: 63.85 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 64.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4673.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4654.00	
Shut In Tool	5.00			4659.00	
Hydraulic tool	5.00			4664.00	
Packer	4.00			4668.00	20.00 Bottom Of Top Packer
Packer	5.00			4673.00	
Stubb	1.00			4674.00	
Recorder	0.00	6719	Outside	4674.00	
Recorder	0.00	6773	Outside	4674.00	
Perforations	30.00			4704.00	
Bullnose	3.00			4707.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

23-32s-10w Barber,KS

PO Box 195
Attica, KS 67009

Dohm B #1

Job Ticket: 51943

DST#: 4

ATTN: Tim Fierce

Test Start: 2014.03.18 @ 11:32:17

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:

6000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.08 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	Drig mud trc oil 100%m	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

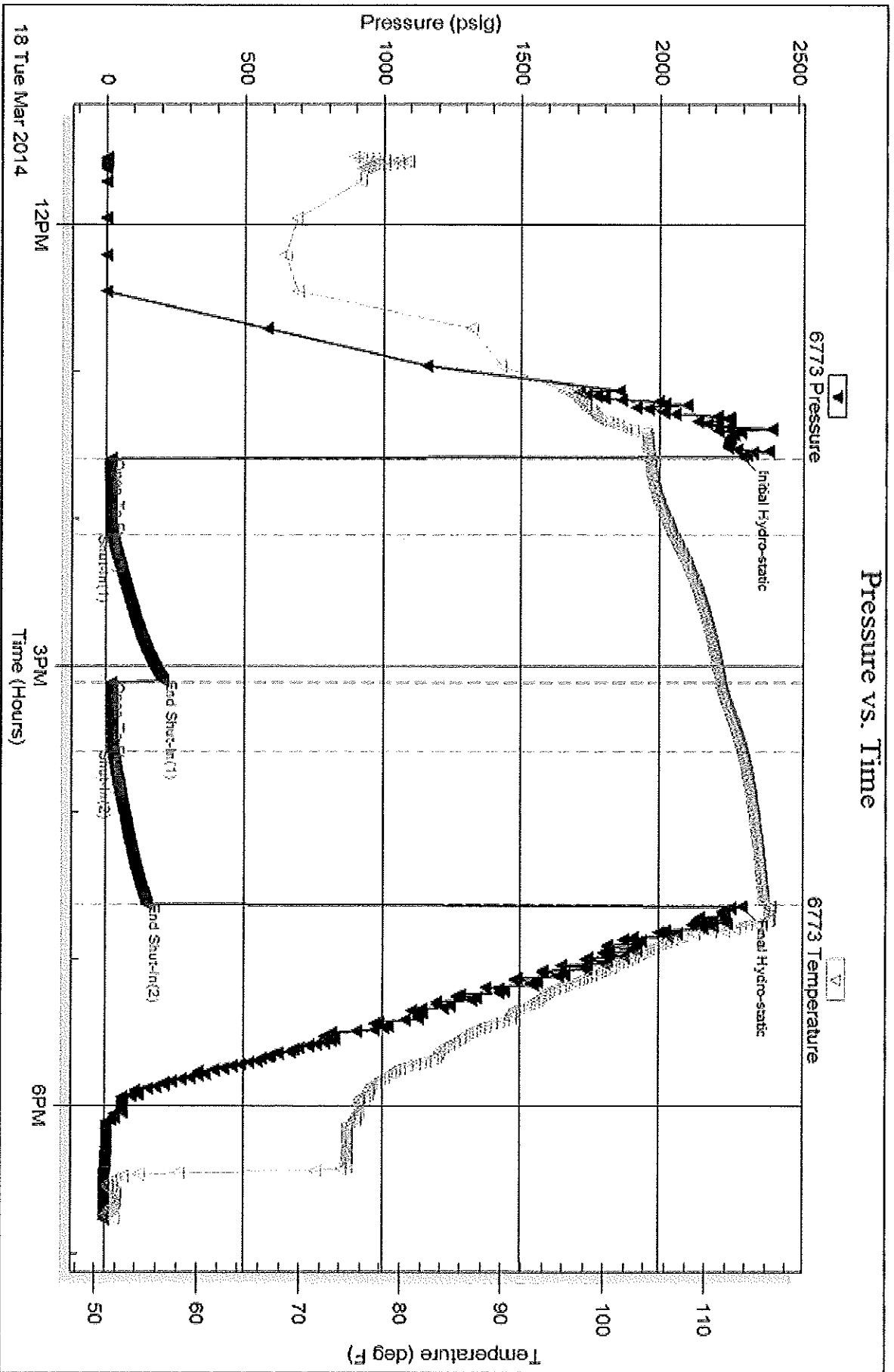
Serial #: 6773

Outside R & B Oil & Gas

Well B#1

DST Test Number 4

Pressure vs. Time

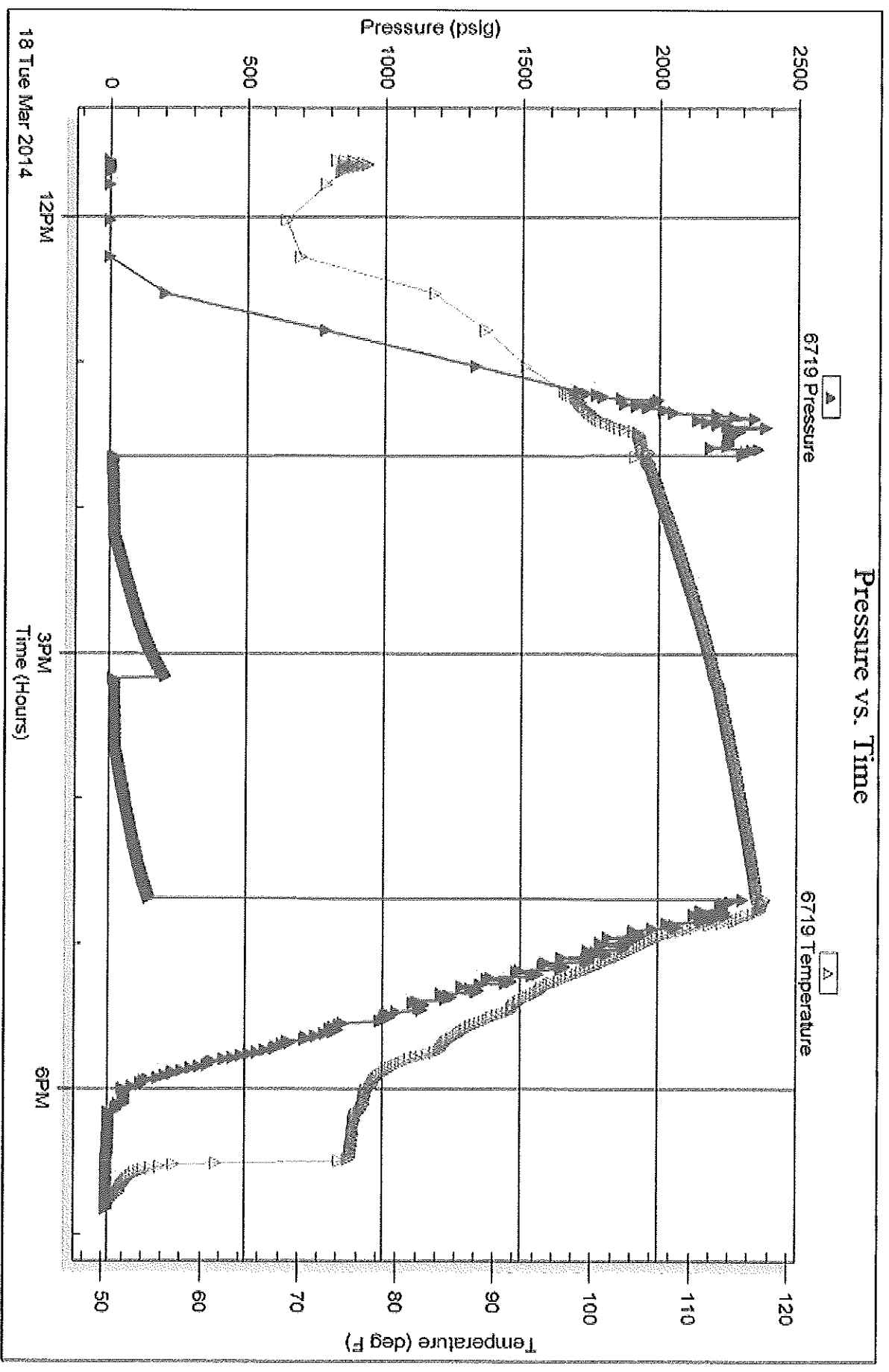


Serial #: 6719

Outside R & B Oil & Gas

Doim B#1

OST Test Number 4



Tribble Testing, Inc

Ref. No: 51943

Printed: 2014.03.24 @ 11:52:52