



DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559
Goddard, KS 67052

ATTN: David Gould

Brown #2

10-29s-6w Kingman,KS

Start Date: 2012.09.01 @ 20:18:21

End Date: 2012.09.02 @ 06:12:51

Job Ticket #: 49568 DST #: 1

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

Printed: 2012.09.11 @ 14:02:42



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman, KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49568

DST#: 1

ATTN: David Gould

Test Start: 2012.09.01 @ 20:18:21

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:55:51

Time Test Ended: 06:12:51

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 63

Interval: 3644.00 ft (KB) To 3660.00 ft (KB) (TVD)

Reference Elevations: 1528.00 ft (KB)

Total Depth: 3660.00 ft (KB) (TVD)

1520.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 297.06 psig @ 3645.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.01

End Date:

2012.09.02

Last Calib.:

2012.09.02

Start Time: 20:18:22

End Time:

06:12:51

Time On Btm:

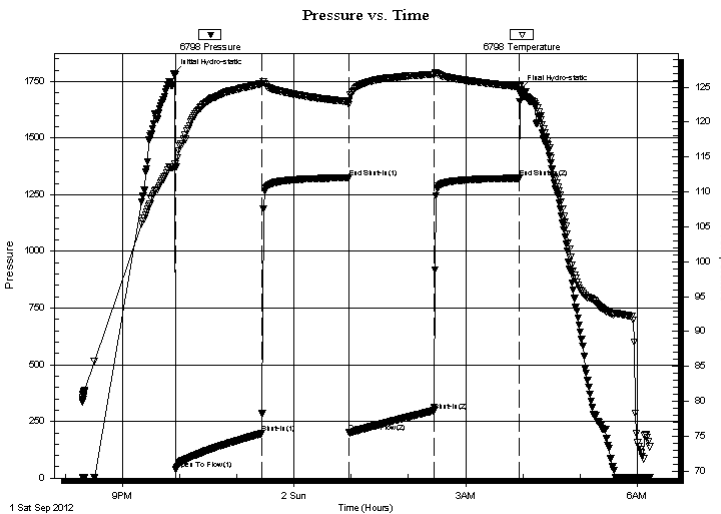
2012.09.01 @ 21:54:06

Time Off Btm:

2012.09.02 @ 03:57:21

TEST COMMENT: IF: Weak Blow, BOB in 58 minutes
IS: No Blow Back
FF: Weak Blow, Built to 2 inches
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1785.74	113.56	Initial Hydro-static
2	39.24	113.55	Open To Flow (1)
93	197.69	125.50	Shut-In(1)
184	1325.51	122.93	End Shut-In(1)
184	201.14	122.49	Open To Flow (2)
273	297.06	126.84	Shut-In(2)
363	1323.45	125.06	End Shut-In(2)
364	1714.66	124.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
436.00	Water	5.05
40.00	MCW 10%M 90%W	0.56

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman, KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49568

DST#: 1

ATTN: David Gould

Test Start: 2012.09.01 @ 20:18:21

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:55:51

Time Test Ended: 06:12:51

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 63

Interval: 3644.00 ft (KB) To 3660.00 ft (KB) (TVD)

Reference Elevations: 1528.00 ft (KB)

Total Depth: 3660.00 ft (KB) (TVD)

1520.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 3645.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.01

End Date:

2012.09.02

Last Calib.:

2012.09.02

Start Time: 20:18:22

End Time:

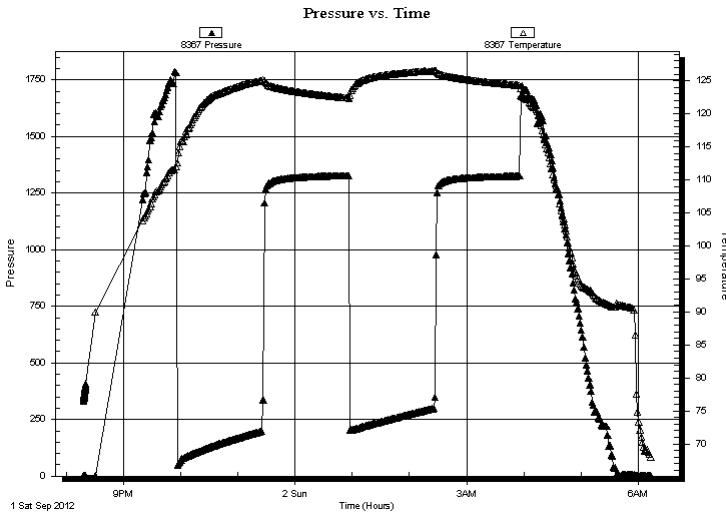
06:12:51

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak Blow , BOB in 58 minutes
IS: No Blow Back
FF: Weak Blow , Built to 2 inches
FS: No Blow Back

PRESSURE SUMMARY



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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
436.00	Water	5.05
40.00	MCW 10%M 90%W	0.56

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49568

DST#: 1

ATTN: David Gould

Test Start: 2012.09.01 @ 20:18:21

Tool Information

Drill Pipe:	Length: 3518.00 ft	Diameter: 3.80 inches	Volume: 49.35 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 49.93 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3644.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 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
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Shut In Tool	5.00			3622.00	
Hydraulic tool	5.00			3627.00	
Jars	5.00			3632.00	
Safety Joint	2.00			3634.00	
Packer	5.00			3639.00	27.00 Bottom Of Top Packer
Packer	5.00			3644.00	
Stubb	1.00			3645.00	
Recorder	0.00	6798	Inside	3645.00	
Recorder	0.00	8367	Outside	3645.00	
Perforations	12.00			3657.00	
Bullnose	3.00			3660.00	16.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49568

DST#: 1

ATTN: David Gould

Test Start: 2012.09.01 @ 20:18:21

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:

94000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
436.00	Water	5.050
40.00	MCW 10%M 90%W	0.561

Total Length: 476.00 ft Total Volume: 5.611 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .09 @ 66 degrees

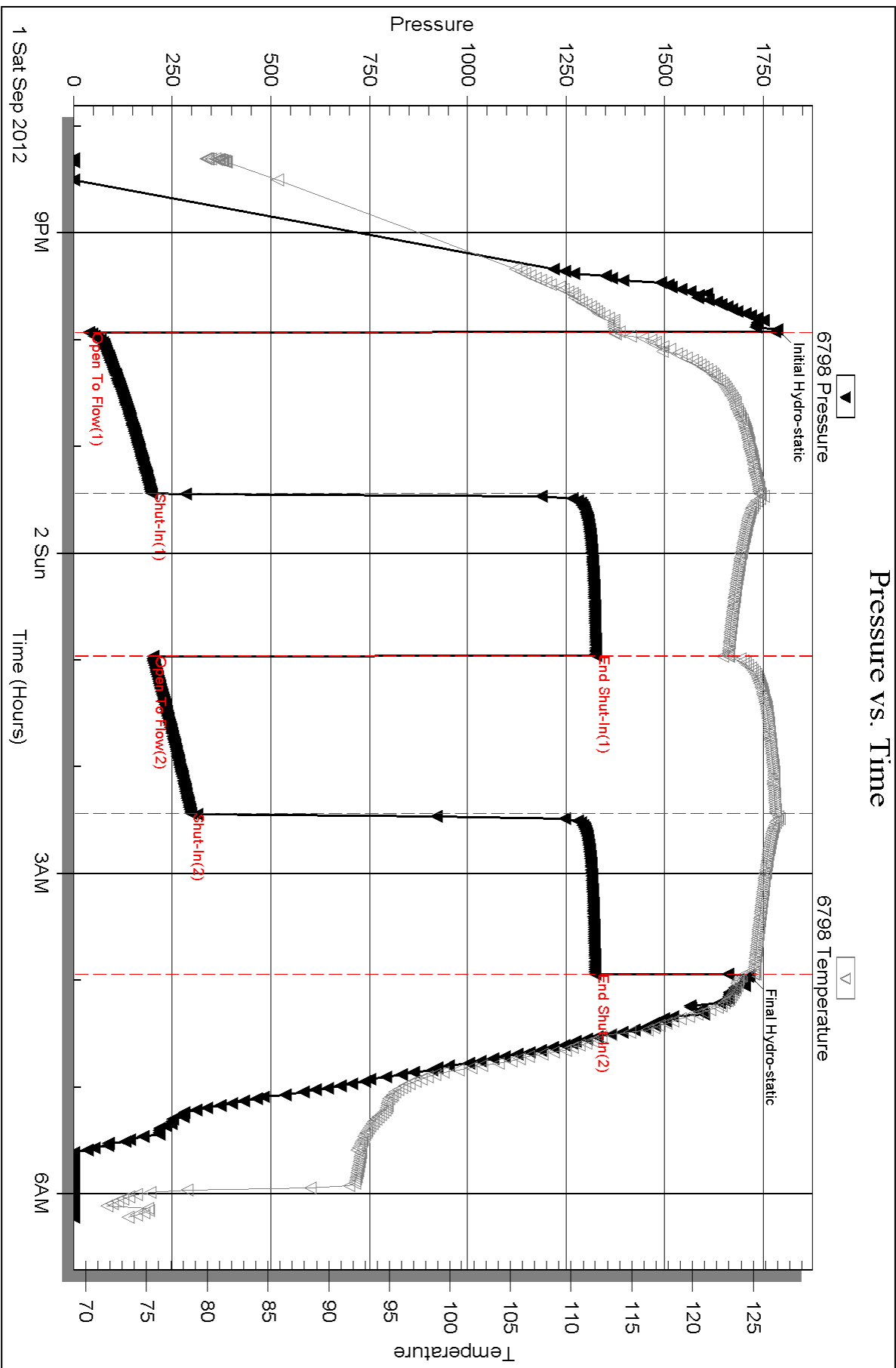
Serial #: 6798

Inside

Novy Oil & Gas

Brown #2

DST Test Number: 1

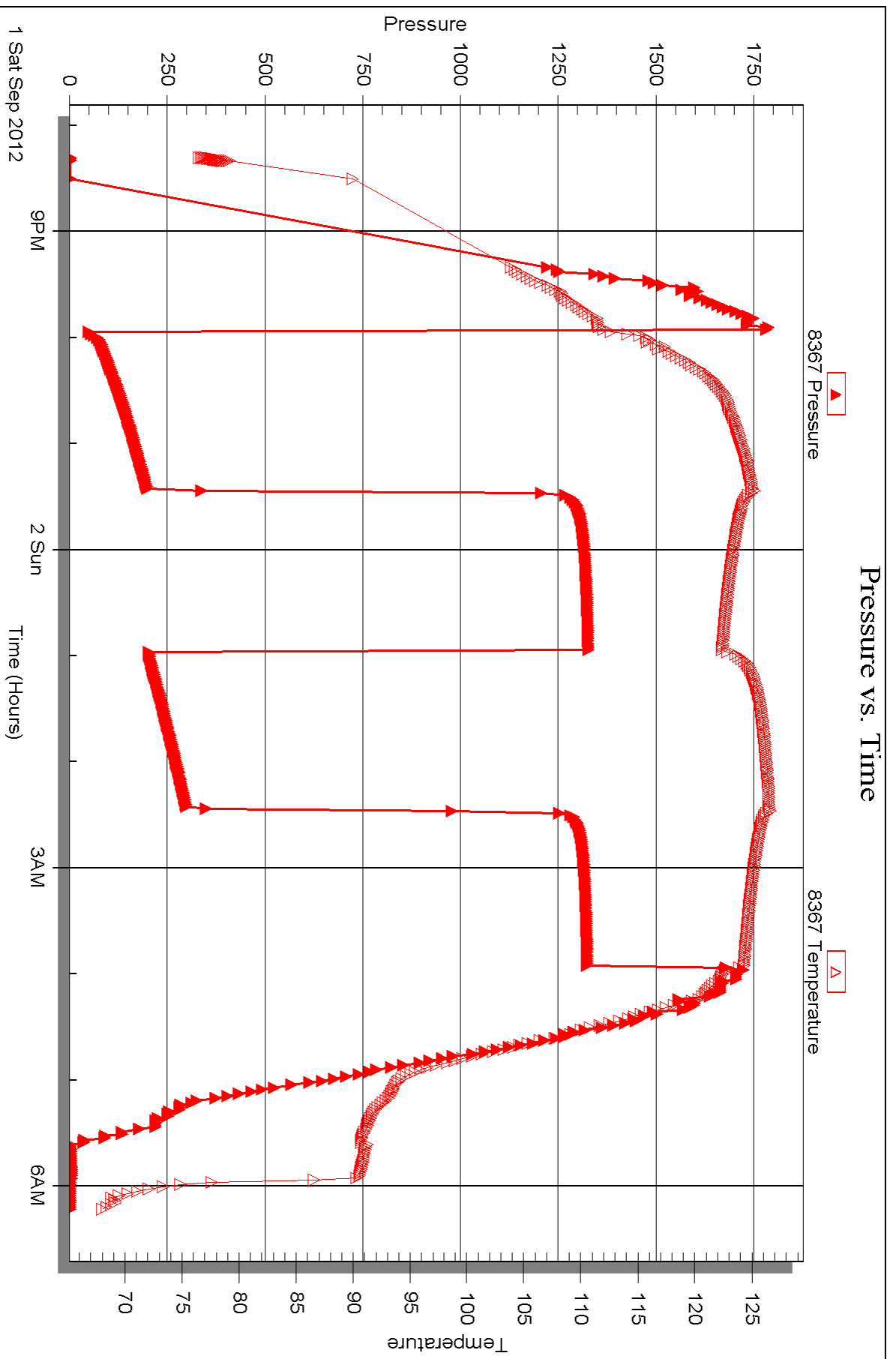


Serial #: 8367

Outside Novy Oil & Gas

Brown #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559
Goddard, KS 67052

ATTN: David Gould

Brown #2

10-29s-6w Kingman,KS

Start Date: 2012.09.03 @ 20:37:14

End Date: 2012.09.04 @ 07:18:29

Job Ticket #: 49569 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:01:56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman, KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49569

DST#: 2

ATTN: David Gould

Test Start: 2012.09.03 @ 20:37:14

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:15:44

Time Test Ended: 07:18:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 63

Interval: 4048.00 ft (KB) To 4058.00 ft (KB) (TVD)

Reference Elevations: 1528.00 ft (KB)

Total Depth: 4058.00 ft (KB) (TVD)

1520.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 29.09 psig @ 4049.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.03

End Date:

2012.09.04

Last Calib.:

2012.09.04

Start Time:

20:37:15

End Time:

07:18:29

Time On Btm:

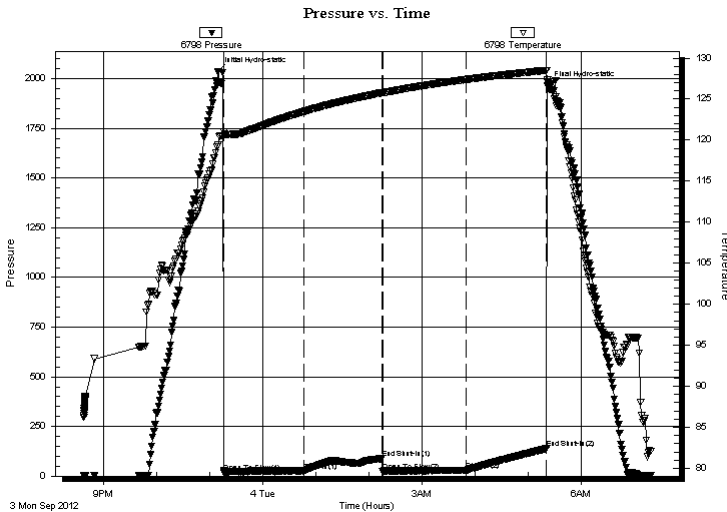
2012.09.03 @ 23:09:14

Time Off Btm:

2012.09.04 @ 05:21:29

TEST COMMENT: IF: Weak Blow , Built to 5 inches, Died Off to 1 inch
IS: No Blow Back
FF: Weak 1 inch Blow
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2037.17	119.37	Initial Hydro-static
7	17.37	120.93	Open To Flow (1)
97	25.64	123.45	Shut-In(1)
185	88.90	125.77	End Shut-In(1)
186	22.52	125.76	Open To Flow (2)
281	29.09	127.38	Shut-In(2)
372	138.49	128.50	End Shut-In(2)
373	1964.17	127.36	Final Hydro-static

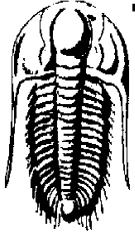
Recovery

Length (ft)	Description	Volume (bbl)
40.00	GCM 2%G 98%M	0.20

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas
PO Box 559
Goddard, KS 67052
ATTN: David Gould

10-29s-6w Kingman,KS
Brown #2
Job Ticket: 49569 **DST#: 2**
Test Start: 2012.09.03 @ 20:37:14

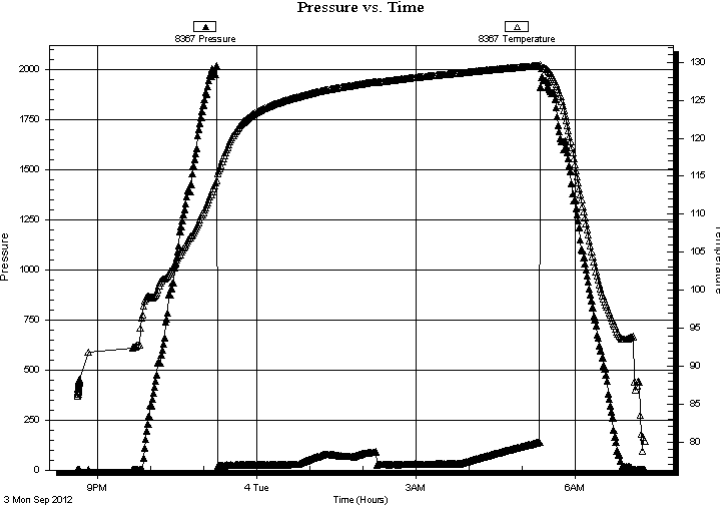
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:15:44
Time Test Ended: 07:18:29
Interval: 4048.00 ft (KB) To 4058.00 ft (KB) (TVD)
Total Depth: 4058.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 63
Reference Elevations: 1528.00 ft (KB)
1520.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8367 Outside
Press @RunDepth: psig @ 4049.00 ft (KB)
Start Date: 2012.09.03 End Date: 2012.09.04
Start Time: 20:37:15 End Time: 07:18:29
Capacity: 8000.00 psig
Last Calib.: 2012.09.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 5 inches, Died Off to 1 inch
IS: No Blow Back
FF: Weak 1 inch Blow
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	GCM 2%G 98%M	0.20

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49569

DST#: 2

ATTN: David Gould

Test Start: 2012.09.03 @ 20:37:14

Tool Information

Drill Pipe:	Length: 3920.00 ft	Diameter: 3.80 inches	Volume: 54.99 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 55.57 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	4048.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4026.00	
Hydraulic tool	5.00			4031.00	
Jars	5.00			4036.00	
Safety Joint	2.00			4038.00	
Packer	5.00			4043.00	27.00 Bottom Of Top Packer
Packer	5.00			4048.00	
Stubb	1.00			4049.00	
Recorder	0.00	6798	Inside	4049.00	
Recorder	0.00	8367	Outside	4049.00	
Perforations	6.00			4055.00	
Bullnose	3.00			4058.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49569

DST#: 2

ATTN: David Gould

Test Start: 2012.09.03 @ 20:37:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	GCM 2%G 98%M	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

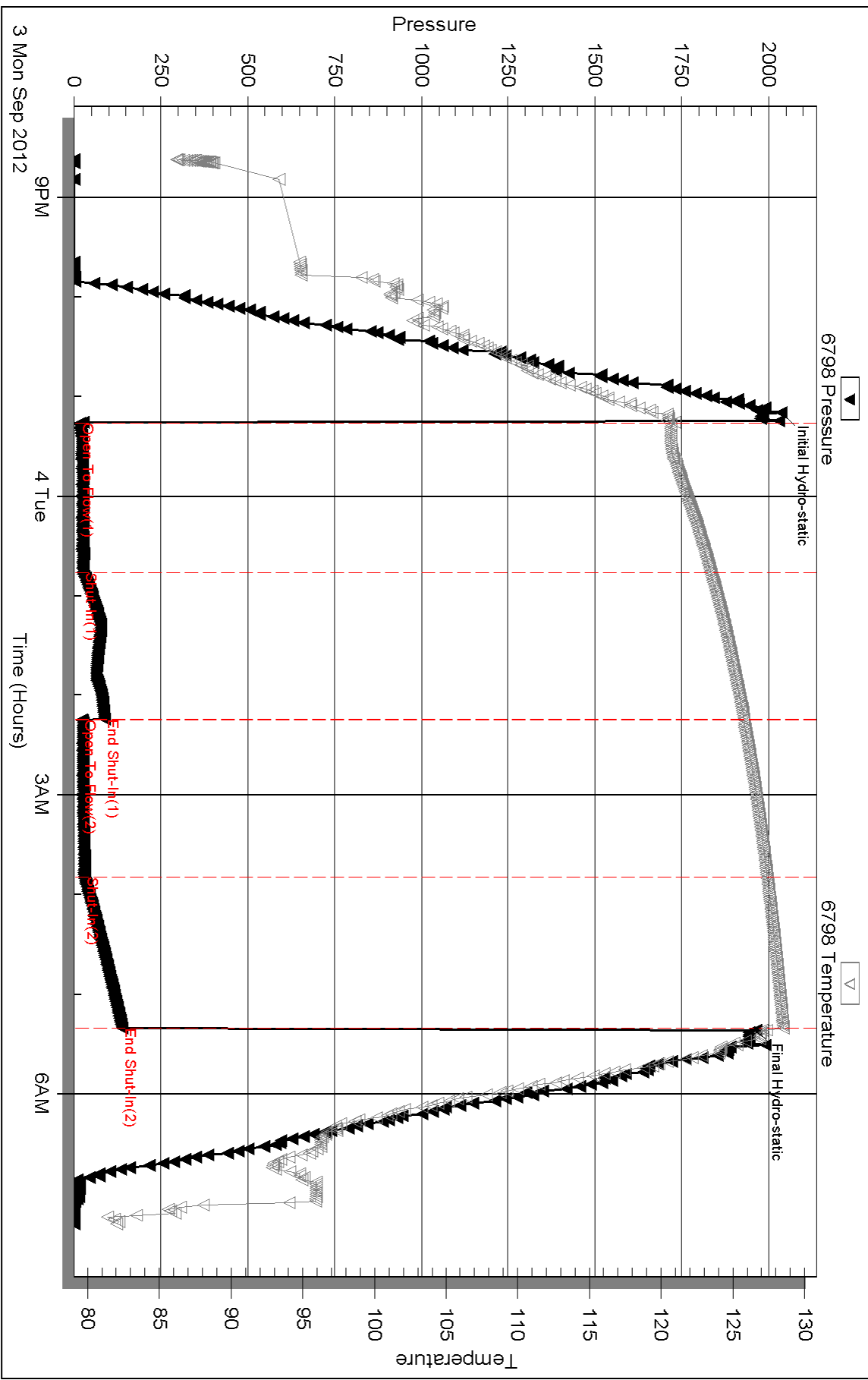
Inside

Novy Oil & Gas

Brown #2

DST Test Number: 2

Pressure vs. Time

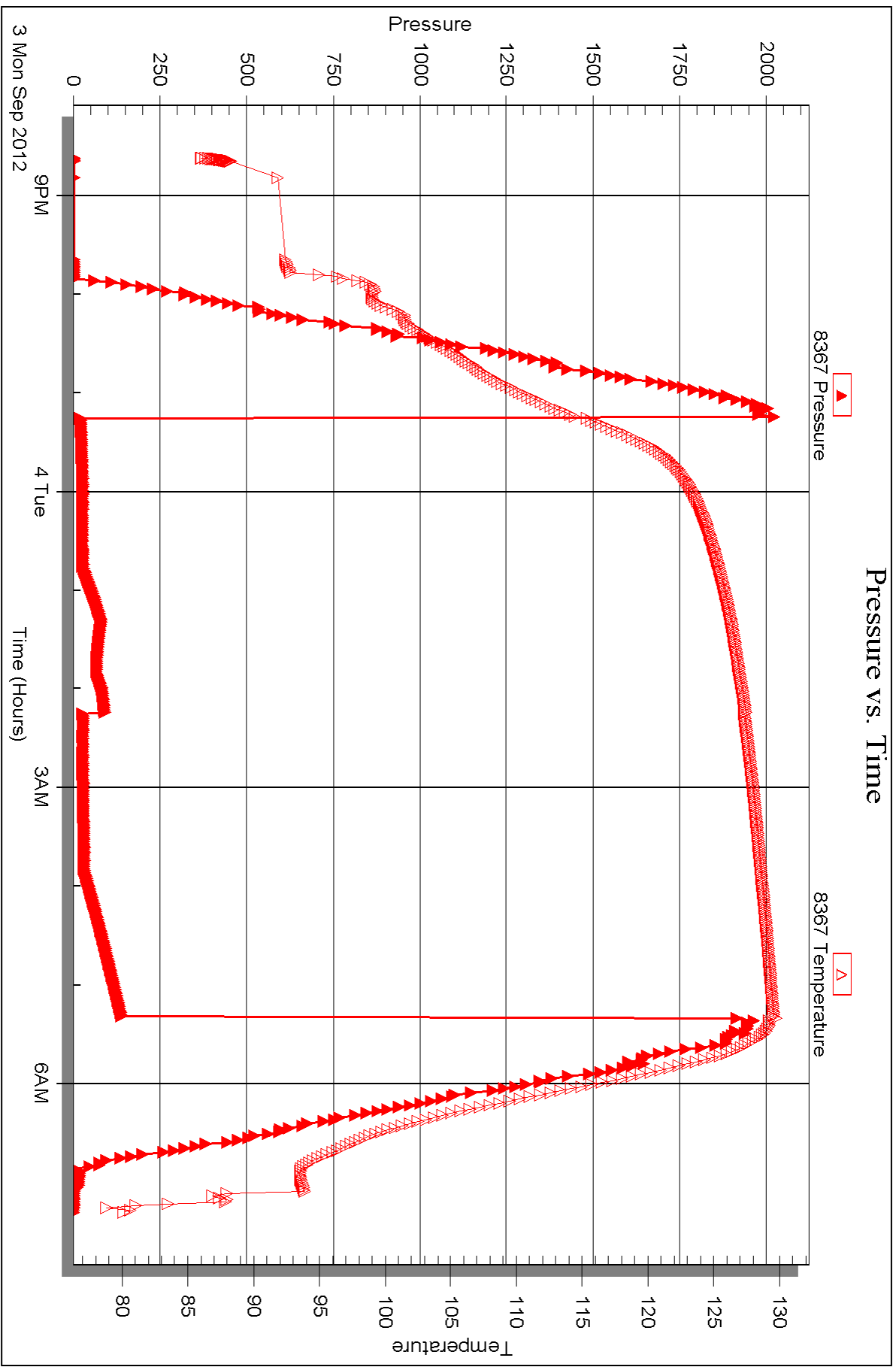


Serial #: 8367

Outside Novy Oil & Gas

Brown #2

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559
Goddard, KS 67052

ATTN: David Gould

Brown #2

10-29s-6w Kingman,KS

Start Date: 2012.09.04 @ 15:12:38

End Date: 2012.09.05 @ 01:24:08

Job Ticket #: 49570 DST #: 3

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

Printed: 2012.09.11 @ 14:00:33

Novy Oil & Gas
10-29s-6w Kingman,KS
Brown #2
DST # 3
Mississippi
2012.09.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman, KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49570

DST#: 3

ATTN: David Gould

Test Start: 2012.09.04 @ 15:12:38

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:29:08

Time Test Ended: 01:24:08

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 63

Interval: 4048.00 ft (KB) To 4066.00 ft (KB) (TVD)

Reference Elevations: 1528.00 ft (KB)

Total Depth: 4066.00 ft (KB) (TVD)

1520.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 70.62 psig @ 4049.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.04

End Date:

2012.09.05

Last Calib.:

2012.09.05

Start Time:

15:12:39

End Time:

01:24:08

Time On Btm:

2012.09.04 @ 17:28:23

Time Off Btm:

2012.09.04 @ 23:29:38

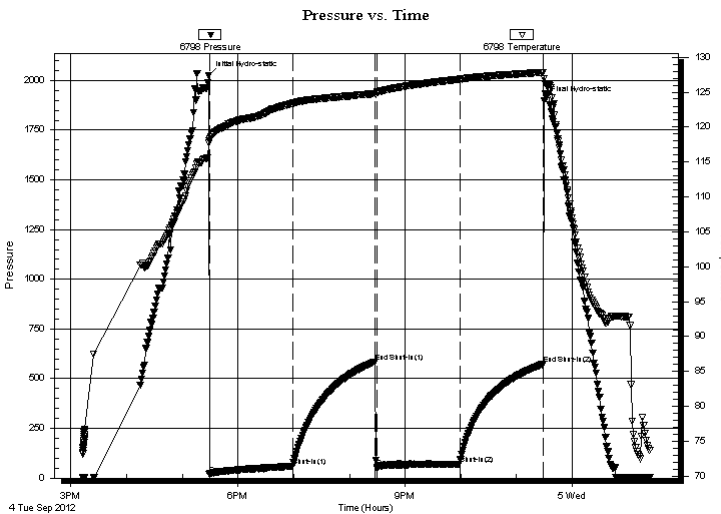
TEST COMMENT: IF: Strong Blow , BOB in 3 minutes

IS: No Blow Back

FF: Fair Blow , BOB in 6 minutes

FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2022.90	117.66	Initial Hydro-static
1	19.70	118.06	Open To Flow (1)
91	61.72	123.38	Shut-In(1)
180	585.58	124.81	End Shut-In(1)
182	54.22	125.00	Open To Flow (2)
271	70.62	126.83	Shut-In(2)
361	573.13	127.83	End Shut-In(2)
362	1899.45	126.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
117.00	GOWCM 5%G 5%O 30%W 60%M	0.58
25.00	SOSM -1%O +99%M	0.35

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49570

DST#: 3

ATTN: David Gould

Test Start: 2012.09.04 @ 15:12:38

Tool Information

Drill Pipe:	Length: 3919.00 ft	Diameter: 3.80 inches	Volume: 54.97 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 55.55 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4048.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4026.00	
Hydraulic tool	5.00			4031.00	
Jars	5.00			4036.00	
Safety Joint	2.00			4038.00	
Packer	5.00			4043.00	27.00 Bottom Of Top Packer
Packer	5.00			4048.00	
Stubb	1.00			4049.00	
Recorder	0.00	6798	Inside	4049.00	
Recorder	0.00	8367	Outside	4049.00	
Perforations	14.00			4063.00	
Bullnose	3.00			4066.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49570

DST#: 3

ATTN: David Gould

Test Start: 2012.09.04 @ 15:12:38

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: 110000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
117.00	GOWCM 5%G 5%O 30%W 60%M	0.575
25.00	SOSM -1%O +99%M	0.351

Total Length: 142.00 ft Total Volume: 0.926 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .065 @ 85 degrees

Serial #: 6798

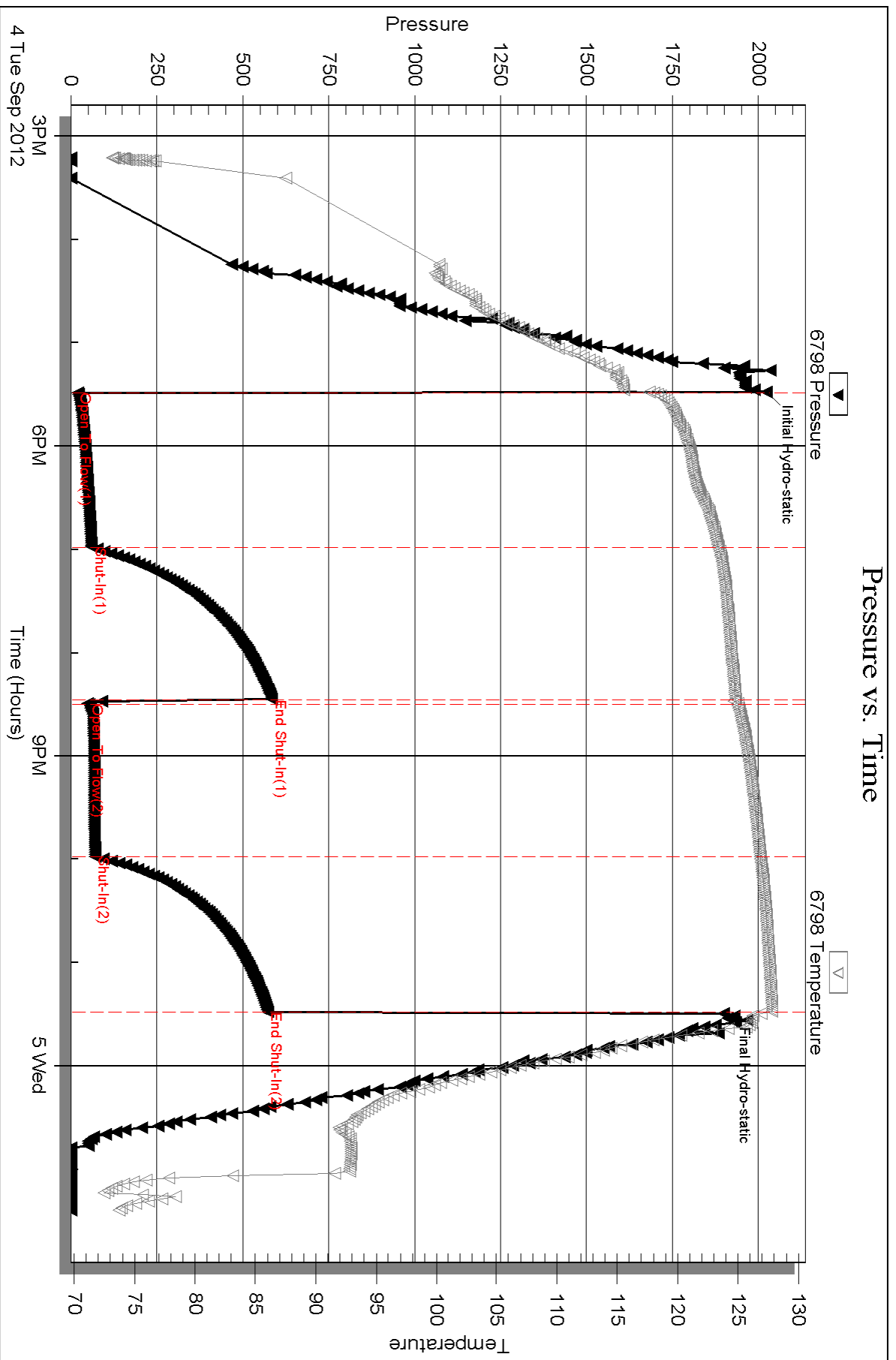
Inside

Novy Oil & Gas

Brown #2

DST Test Number: 3

Pressure vs. Time

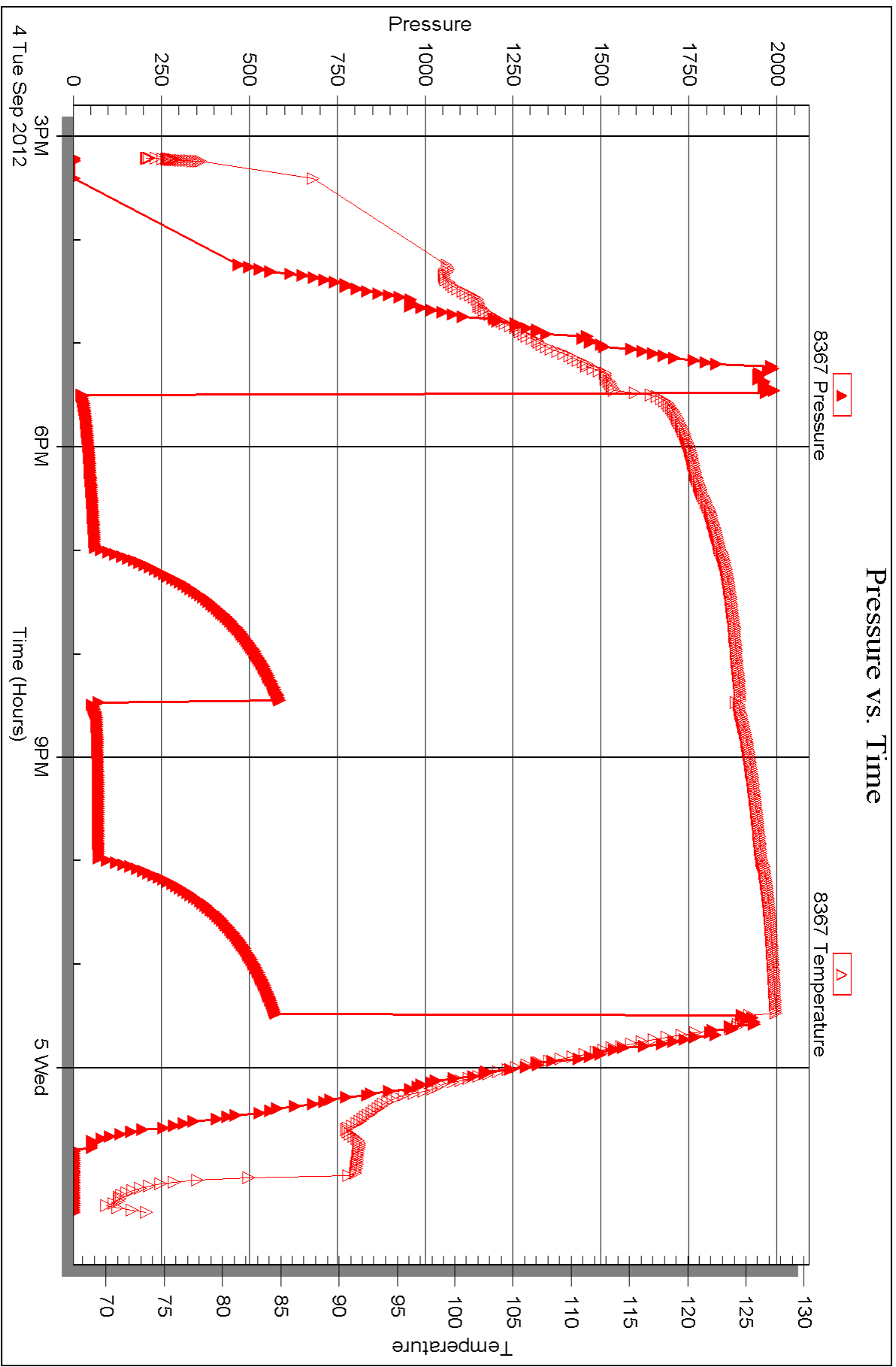


Serial #: 8367

Outside Novy Oil & Gas

Brown #2

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559
Goddard, KS 67052

ATTN: David Gould

Brown #2

10-29s-6w Kingman,KS

Start Date: 2012.09.05 @ 08:50:04

End Date: 2012.09.05 @ 16:07:34

Job Ticket #: 49571 DST #: 4

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

Printed: 2012.09.11 @ 13:59:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman, KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49571

DST#: 4

ATTN: David Gould

Test Start: 2012.09.05 @ 08:50:04

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:32:19

Time Test Ended: 16:07:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4086.00 ft (KB) To 4093.00 ft (KB) (TVD)

Reference Elevations: 1528.00 ft (KB)

Total Depth: 4093.00 ft (KB) (TVD)

1520.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 47.53 psig @ 4087.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.05

End Date:

2012.09.05

Last Calib.: 2012.09.05

Start Time: 08:50:05

End Time:

16:07:34

Time On Btm: 2012.09.05 @ 10:30:49

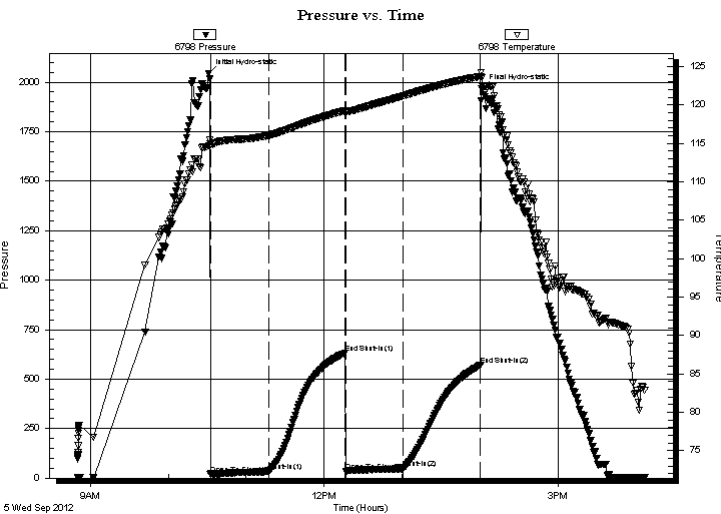
Time Off Btm: 2012.09.05 @ 14:01:19

TEST COMMENT: IF: Weak Blow, Built to 1 1/2 inches

IS: No Blow Back

FF: Weak 1/2 inch Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.71	114.68	Initial Hydro-static
2	19.73	114.88	Open To Flow (1)
47	34.96	116.03	Shut-In(1)
106	631.97	119.25	End Shut-In(1)
106	32.71	119.06	Open To Flow (2)
150	47.53	121.16	Shut-In(2)
210	569.55	123.70	End Shut-In(2)
211	1966.02	123.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOSMW 1%O 48%M 51%W	0.30
2.00	SOSM -1%O +99%M	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49571

DST#: 4

ATTN: David Gould

Test Start: 2012.09.05 @ 08:50:04

Tool Information

Drill Pipe:	Length: 3950.00 ft	Diameter: 3.80 inches	Volume: 55.41 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 55.99 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4086.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	34.00 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			4064.00	
Hydraulic tool	5.00			4069.00	
Jars	5.00			4074.00	
Safety Joint	2.00			4076.00	
Packer	5.00			4081.00	27.00 Bottom Of Top Packer
Packer	5.00			4086.00	
Stubb	1.00			4087.00	
Recorder	0.00	6798	Inside	4087.00	
Recorder	0.00	8367	Outside	4087.00	
Perforations	3.00			4090.00	
Bullnose	3.00			4093.00	7.00 Bottom Packers & Anchor

Total Tool Length: 34.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49571

DST#: 4

ATTN: David Gould

Test Start: 2012.09.05 @ 08:50:04

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOSMW 1%O 48%M 51%W	0.295
2.00	SOSM - 1%O +99%M	0.010

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .065 @ 89 degrees

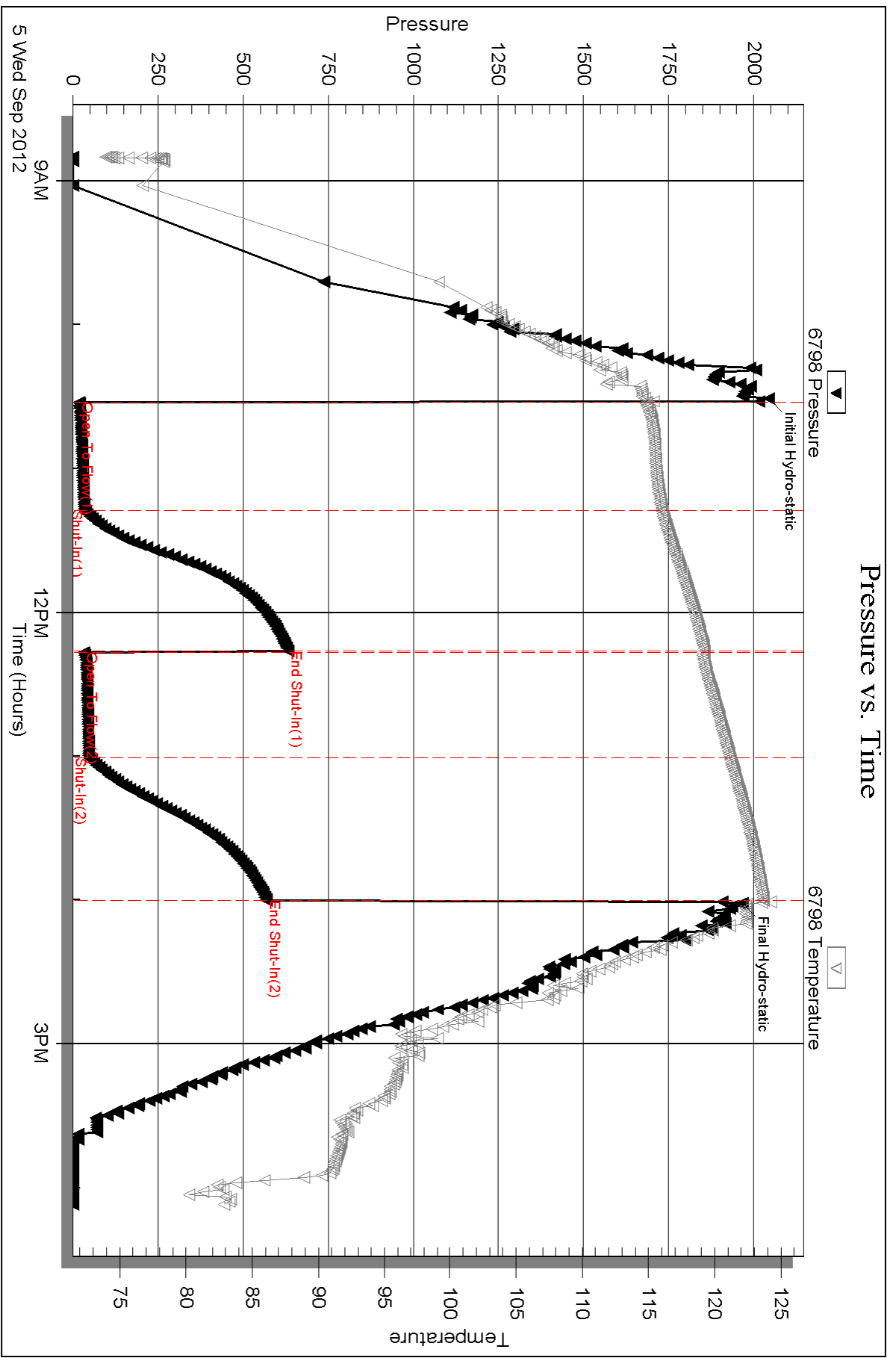
Serial #: 6798

Inside

Novy Oil & Gas

Brown #2

DST Test Number: 4

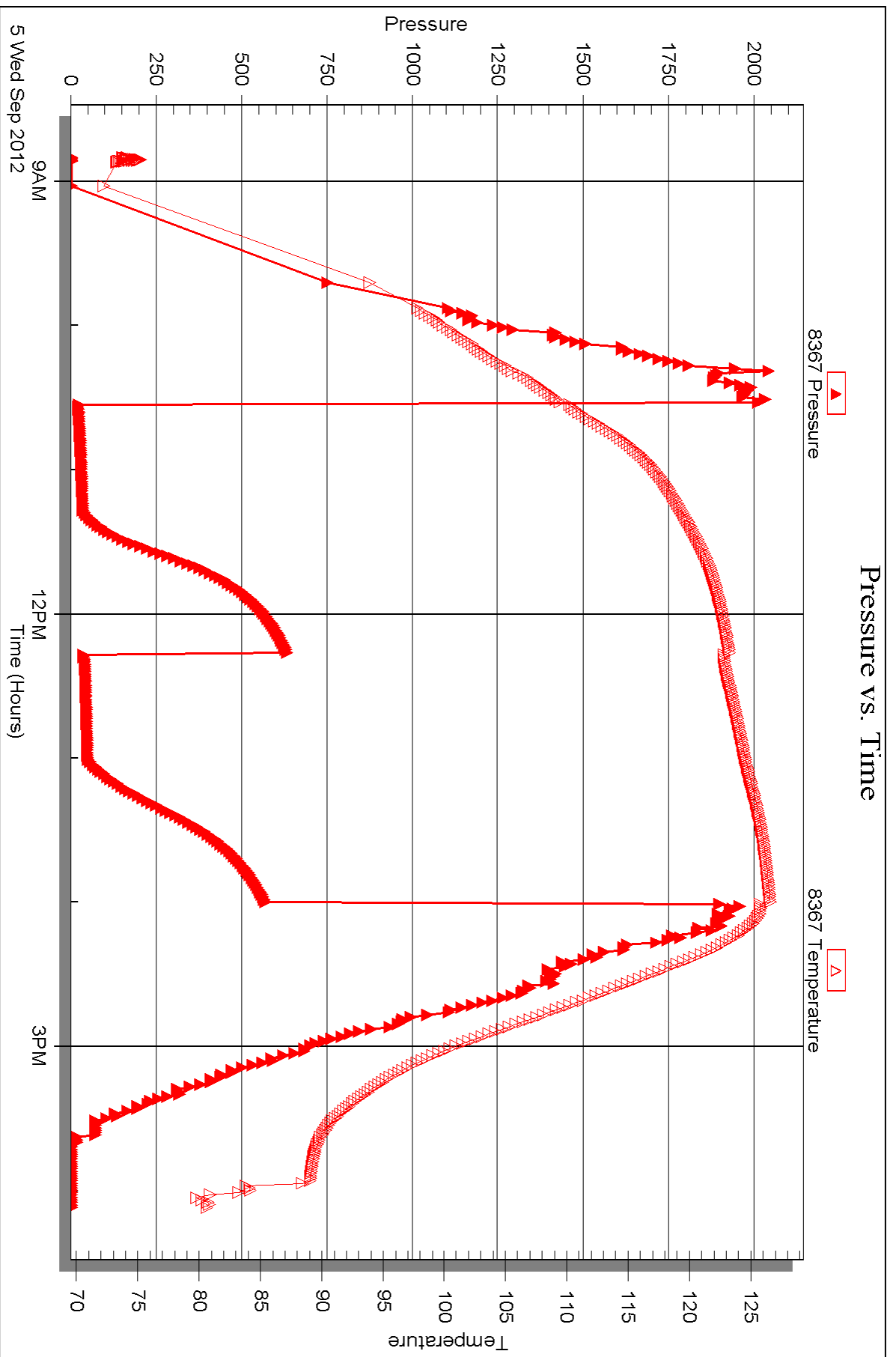


Serial #: 8367

Outside Novy Oil & Gas

Brown #2

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559
Goddard, KS 67052

ATTN: David Gould

Brown #2

10-29s-6w Kingman,KS

Start Date: 2012.09.07 @ 07:01:16

End Date: 2012.09.07 @ 15:39:01

Job Ticket #: 49572 DST #: 5

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

Printed: 2012.09.11 @ 13:59:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman, KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49572

DST#: 5

ATTN: David Gould

Test Start: 2012.09.07 @ 07:01:16

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:31

Time Test Ended: 15:39:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4354.00 ft (KB) To 4480.00 ft (KB) (TVD)

Reference Elevations: 1528.00 ft (KB)

Total Depth: 4480.00 ft (KB) (TVD)

1520.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 1642.83 psig @ 4355.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.07

End Date:

2012.09.07

Last Calib.:

2012.09.07

Start Time:

07:01:17

End Time:

15:39:01

Time On Btm:

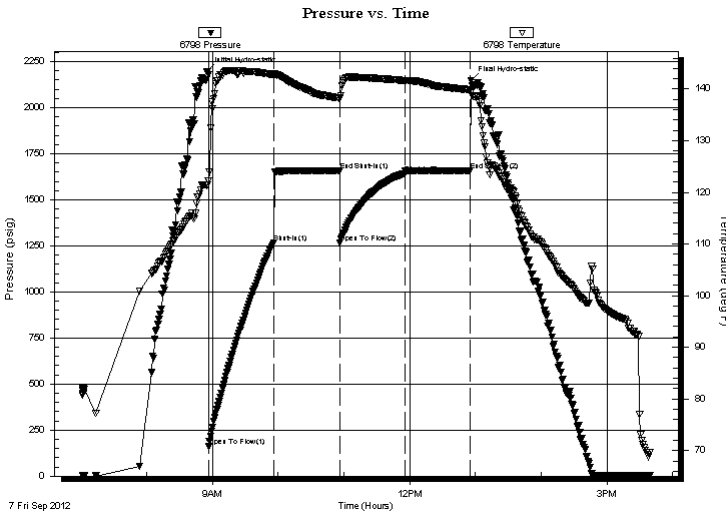
2012.09.07 @ 08:55:01

Time Off Btm:

2012.09.07 @ 12:56:01

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
IS: No Blow Back
FF: Strong Blow , BOB in 2 minutes
FS: No Blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.45	121.35	Initial Hydro-static
2	160.00	122.30	Open To Flow (1)
61	1267.83	142.79	Shut-In(1)
121	1657.75	138.24	End Shut-In(1)
122	1267.02	138.18	Open To Flow (2)
181	1642.83	141.65	Shut-In(2)
240	1658.64	139.86	End Shut-In(2)
241	2146.47	139.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2930.00	Water	40.03
620.00	MCW 50%M 50%W	8.70

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

ATTN: David Gould

Job Ticket: 49572

DST#: 5

Test Start: 2012.09.07 @ 07:01:16

GENERAL INFORMATION:

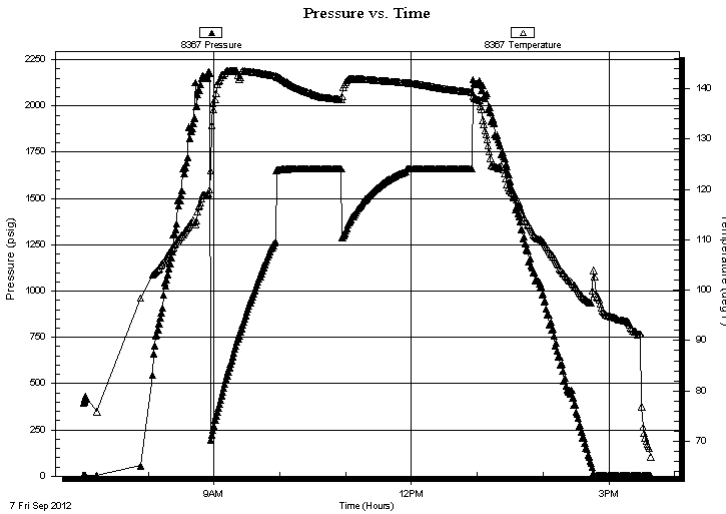
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:56:31
 Tester: Leal Cason
 Time Test Ended: 15:39:01
 Unit No: 45
Interval: 4354.00 ft (KB) To 4480.00 ft (KB) (TVD)
 Reference Elevations: 1528.00 ft (KB)
 Total Depth: 4480.00 ft (KB) (TVD)
 1520.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 8.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 4355.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.09.07	End Date: 2012.09.07
Start Time: 07:01:17	End Time: 15:38:46
	Last Calib.: 2012.09.07
	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
 IS: No Blow Back
 FF: Strong Blow , BOB in 2 minutes
 FS: No Blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
2930.00	Water	40.03
620.00	MCW 50%M 50%W	8.70

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49572

DST#: 5

ATTN: David Gould

Test Start: 2012.09.07 @ 07:01:16

Tool Information

Drill Pipe:	Length: 4229.00 ft	Diameter: 3.80 inches	Volume: 59.32 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 59.90 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4354.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	153.00 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			4332.00	
Hydraulic tool	5.00			4337.00	
Jars	5.00			4342.00	
Safety Joint	2.00			4344.00	
Packer	5.00			4349.00	27.00 Bottom Of Top Packer
Packer	5.00			4354.00	
Stubb	1.00			4355.00	
Recorder	0.00	6798	Inside	4355.00	
Recorder	0.00	8367	Outside	4355.00	
Perforations	3.00			4358.00	
Change Over Sub	1.00			4359.00	
Drill Pipe	93.00			4452.00	
Change Over Sub	1.00			4453.00	
Perforations	24.00			4477.00	
Bullnose	3.00			4480.00	126.00 Bottom Packers & Anchor

Total Tool Length: 153.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas

10-29s-6w Kingman,KS

PO Box 559
Goddard, KS 67052

Brown #2

Job Ticket: 49572

DST#: 5

ATTN: David Gould

Test Start: 2012.09.07 @ 07:01:16

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:

50000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2930.00	Water	40.034
620.00	MCW 50%M 50%W	8.697

Total Length: 3550.00 ft Total Volume: 48.731 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .15 @ 73 degrees

Serial #: 6798

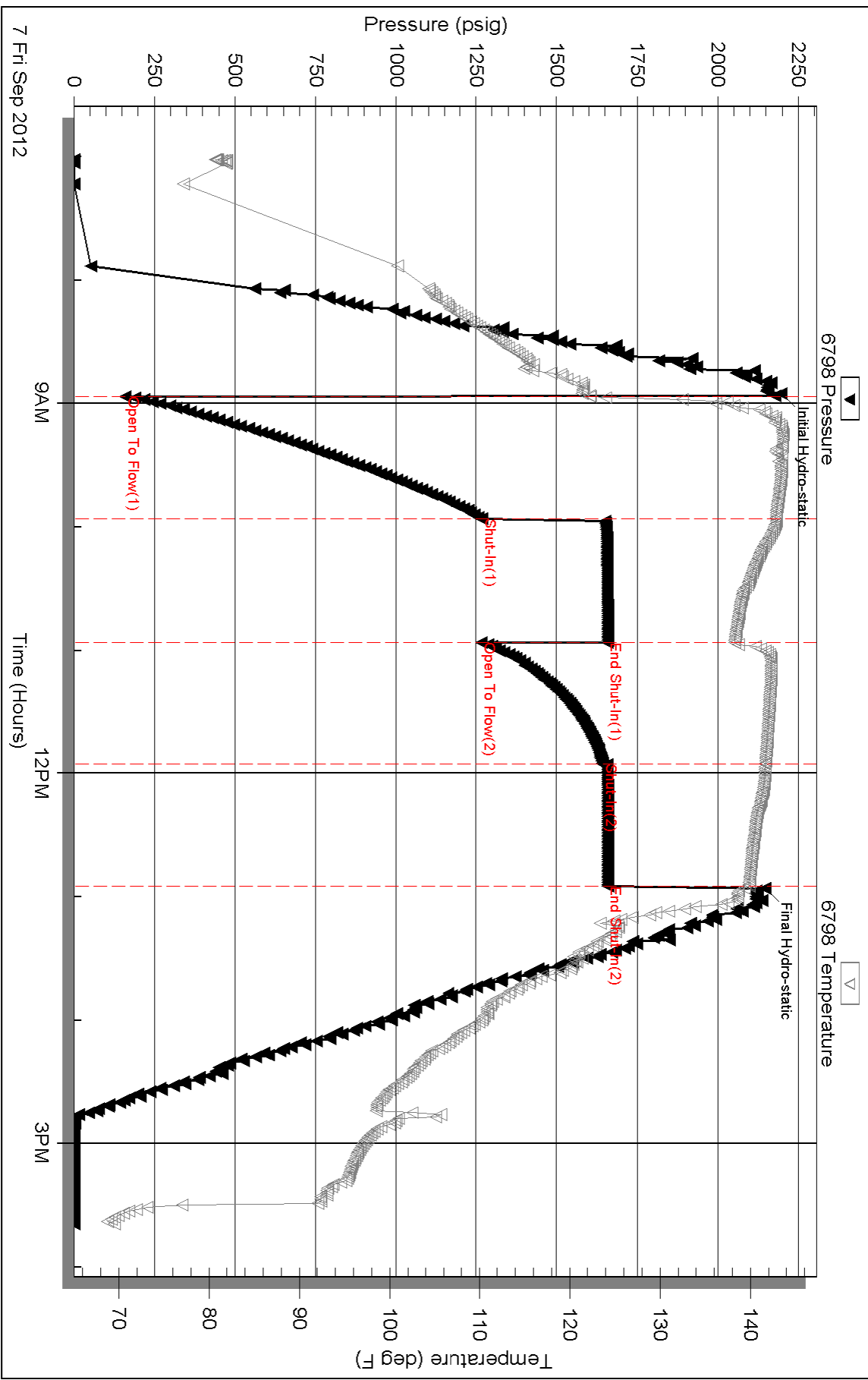
Inside

Novy Oil & Gas

Brown #2

DST Test Number: 5

Pressure vs. Time

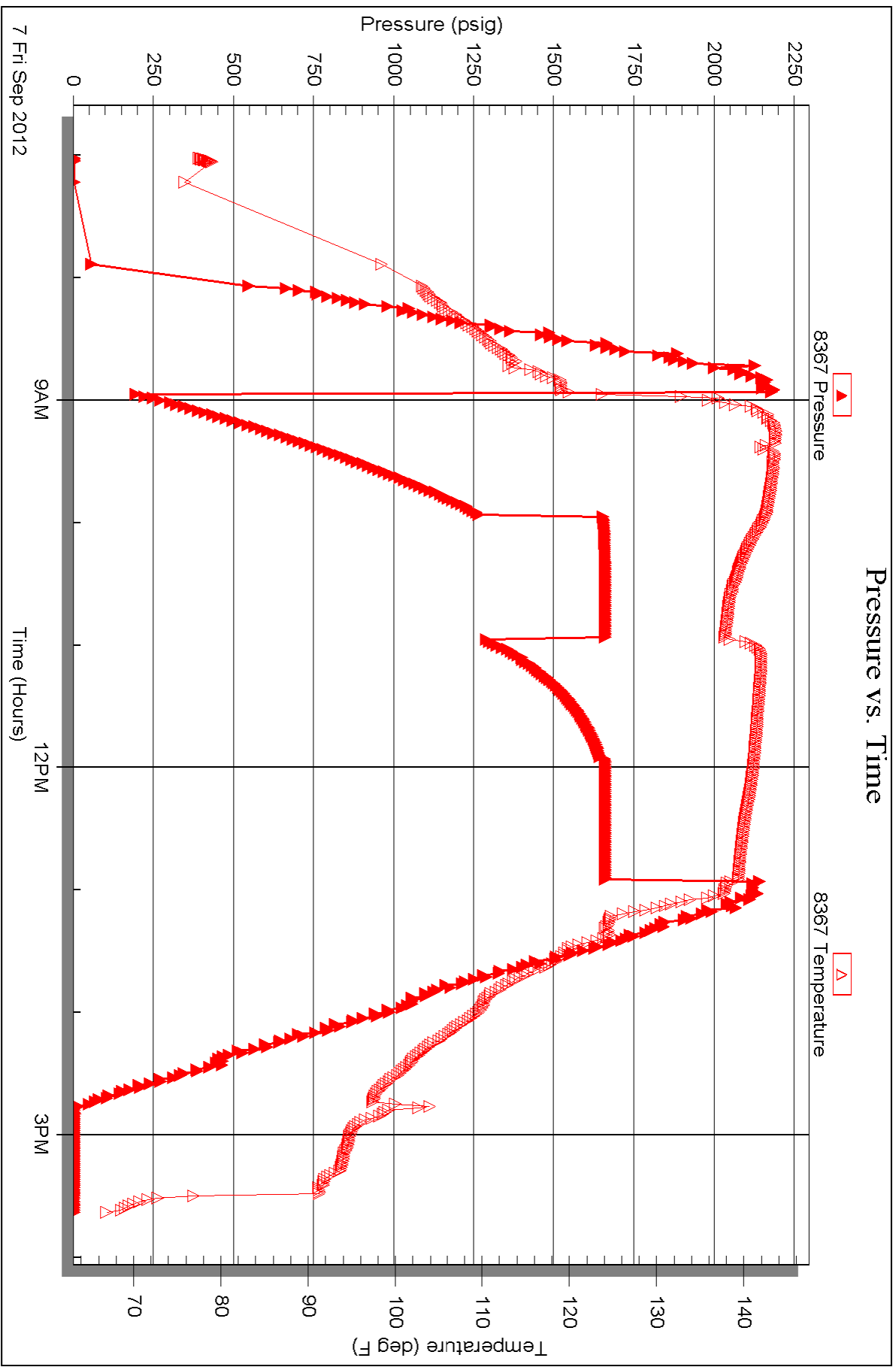


Serial #: 8367

Outside Novy Oil & Gas

Brown #2

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49568

4/10

Well Name & No. Brown 2 Test No. 1 Date 09/01/12
 Company Novy Oil & Gas Elevation 1528 KB 1520 GL
 Address PO BOX 559 Goddard, KS 67052
 Co. Rep / Geo. David Gould Rig Landmark 6
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 3644 - 3660 Zone Tested Swope
 Anchor Length 16 Drill Pipe Run 3518 Mud Wt. 9.3
 Top Packer Depth 3639 Drill Collars Run 116 Vis 40
 Bottom Packer Depth 3644 Wt. Pipe Run 0 WL 12.8
 Total Depth 3660 Chlorides 5000 ppm System LCM

Blow Description IF: weak Blow, BOB in 58 minutes

ISI: NO Blow Back

FF: weak Blow, Built to 2 inches

FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Mcw</u>		<u>90</u>	<u>10</u>	
<u>436</u>	<u>water</u>				

Rec Total 476 BHT 125 Gravity NIC API RW .09 @ 66 °F Chlorides 94000 ppm

(A) Initial Hydrostatic 1786 Test 1150 T-On Location 17:45
 (B) First Initial Flow 39 Jars 250 T-Started 20:18
 (C) First Final Flow 198 Safety Joint 75 T-Open 21:55
 (D) Initial Shut-In 1325 Circ Sub T-Pulled 03:56
 (E) Second Initial Flow 201 Hourly Standby 3 1/2 350 T-Out 06:12
 (F) Second Final Flow 297 Mileage (110) 170.50 Comments
 (G) Final Shut-In 1323 Sampler
 (H) Final Hydrostatic 1715 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 90 Extra Recorder Sub Total 0
 Initial Shut-In 90 Day Standby Total 2145.50
 Final Flow 90 Accessibility 150 MP/DST Disc't
 Final Shut-In 90 Sub Total 2145.50

Approved By David Gould Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49569

4/10

Well Name & No. Brown 2 Test No. 2 Date 09/03/12
 Company NOVY Oil & Gas Elevation 1528 KB 1520 GL
 Address PO BOX 559 Goddard, KS 67052
 Co. Rep / Geo. David Gould Rig Landmark 6
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4048 — 4058 Zone Tested Mississippi
 Anchor Length 10 Drill Pipe Run 3920 Mud Wt. 9.5
 Top Packer Depth 4043 Drill Collars Run 116 Vis 45
 Bottom Packer Depth 4048 Wt. Pipe Run 0 WL 12.4
 Total Depth 4058 Chlorides 5000 ppm System LCM

Blow Description IF: weak Blow, Built to 5 inches, Died off to 1 inch
ISI: NO Blow Back
FF: weak 1 inch Blow
FSE: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>6cm</u>	<u>2</u>		<u>98</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 40 BHT 127° Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic <u>2037</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>20:15</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>20:37</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>23:15</u>
(D) Initial Shut-In <u>89</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>05:20</u>
(E) Second Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Hourly Standby <u>1</u> 100	T-Out <u>07:18</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>(110)</u> 170.50	Comments
(G) Final Shut-In <u>138</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1964</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>90</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>90</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>90</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>466.67</u>
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Day Standby <u>42</u> 1d 14hrs	Total <u>2462.17</u>
	<input checked="" type="checkbox"/> Accessibility 150	MP/DST Disc't <input checked="" type="checkbox"/>
	Sub Total <u>1995.5</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. **49570**

4/10

Well Name & No. Brown 2 Test No. 3 Date 09/04/12
 Company NOVY Oil & Gas Elevation 1528 KB 1520 GL
 Address PO Box 559 Goddard, KS 67052
 Co. Rep / Geo. David Gould Rig Landmark 6
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4048 - 4066 Zone Tested Mississippi
 Anchor Length 16 Drill Pipe Run 3919 Mud Wt. 9.3
 Top Packer Depth 4043 Drill Collars Run 117 Vis 45
 Bottom Packer Depth 4048 Wt. Pipe Run 0 WL 12.0
 Total Depth 4066 Chlorides 7000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 3 minutes

ISI: NO Blow Back

FF: Fair Blow, BOB in 6 minutes

FSI: NO Blow Back

Rec 25 Feet of 505M %gas -1 %oil %water +99 %mud

Rec 117 Feet of 60WCM %gas 5 %oil 30 %water 60 %mud

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 142 BHT 128 Gravity NIC API RW .065 @ 85 °F Chlorides 110,000 ppm

(A) Initial Hydrostatic 2023

(B) First Initial Flow 20

(C) First Final Flow 62

(D) Initial Shut-In 586

(E) Second Initial Flow 54

(F) Second Final Flow 71

(G) Final Shut-In 573

(H) Final Hydrostatic 1899

Test 1250

Jars 250

Safety Joint 75

Circ Sub

Hourly Standby 1 1/2 150

Mileage (110) 170.50

Sampler

Straddle

Shale Packer

Extra Packer

Extra Recorder

Day Standby

Accessibility 150

Sub Total 2045.50

T-On Location 14:00

T-Started 15:12

T-Open 17:29

T-Pulled 23:28

T-Out 01:24

Comments _____

Ruined Shale Packer

Ruined Packer

Extra Copies

Sub Total 0

Total 2045.50

MP/DST Disc't

Initial Open 90

Initial Shut-In 90

Final Flow 90

Final Shut-In 90

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49571

4/10

Well Name & No. Brown 2 Test No. 4 Date 09/05/12
 Company Novy oil & Gas Elevation 1528 KB 1520 GL
 Address PO Box 559 Goddard, KS 67052
 Co. Rep / Geo. David Barker Rig Landmark 6
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4086 - 4093 Zone Tested Mississippi
 Anchor Length 7 Drill Pipe Run 3950 Mud Wt. 9.2
 Top Packer Depth 4081 Drill Collars Run 117 Vis 46
 Bottom Packer Depth 4086 Wt. Pipe Run 0 WL 10.0
 Total Depth 4093 Chlorides 5000 ppm System LCM 1

Blow Description IF: Weak Blow, Built to 1 1/2 inches
ISI: NO Blow Back
FF: weak 1/2 inch Blow
FST: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>505M</u>	<u>-1</u>		<u>+99</u>	
<u>60</u>	<u>505M W</u>	<u>1</u>	<u>51</u>	<u>48</u>	

Rec Total 62 BHT 124° Gravity N/C API RW .065@ 89° F Chlorides 95000 ppm

(A) Initial Hydrostatic <u>2045</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>08:00</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>08:50</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>10:32</u>
(D) Initial Shut-In <u>632</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>19:00</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:07</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>(110)</u> 170.50	Comments _____
(G) Final Shut-In <u>570</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1966</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1895.50</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Accessibility 150	MP/DST Disc't <input checked="" type="checkbox"/>
	Sub Total <u>1895.50</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49572

4/10

Well Name & No. Brown 2 Test No. 5 Date 09/07/12
 Company Novy Oil & Gas Elevation 1528 KB 1520 GL
 Address PO BOX 559 Goddard, KS 67052
 Co. Rep / Geo. Dave Goldak Rig Landmark 6
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4354 - 4480 Zone Tested viola
 Anchor Length 126 Drill Pipe Run 4229 Mud Wt. 9.3
 Top Packer Depth 4349 Drill Collars Run 117 Vis 48
 Bottom Packer Depth 4354 Wt. Pipe Run 0 WL 10.4
 Total Depth 4480 Chlorides 4500 ppm System LCM 3

Blow Description IF: Strong Blow, BOB in 2 minutes

TSI: NO Blow Back

FF: Strong Blow, BOB in 2 minutes

FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>620</u>	<u>WCM</u>		<u>50</u>	<u>50</u>	
<u>2930</u>	<u>Water</u>				

Rec Total 3550 BHT 1390 Gravity N/C API RW .15 @ 73 °F Chlorides 50000 ppm

(A) Initial Hydrostatic <u>2197</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>06:30</u>
(B) First Initial Flow <u>160</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>07:01</u>
(C) First Final Flow <u>1268</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>08:56</u>
(D) Initial Shut-In <u>1658</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>12:55</u>
(E) Second Initial Flow <u>1267</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:39</u>
(F) Second Final Flow <u>1642</u>	<input checked="" type="checkbox"/> Mileage <u>(110)</u> <u>170.50</u>	Comments
(G) Final Shut-In <u>1659</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2146</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>483.33</u>
Final Flow <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1/2</u> 1d 14.5hrs	Total <u>2378.83</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1895.50</u>	

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