

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas, Inc.**

124 N. Main
Attica, KS 67009-0195

ATTN: Tim Pierce

Dana #A-1

6-32s-10w Barber,KS

Start Date: 2014.06.20 @ 04:12:46

End Date: 2014.06.20 @ 11:19:01

Job Ticket #: 51991 DST #: 1

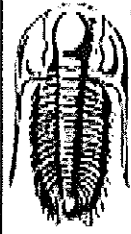
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.26 @ 16:21:08

R & B Oil & Gas, Inc. 6-32s-10w Barber,KS Dana #A-1 DST # 1 Tarkio Sand 2014.06.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

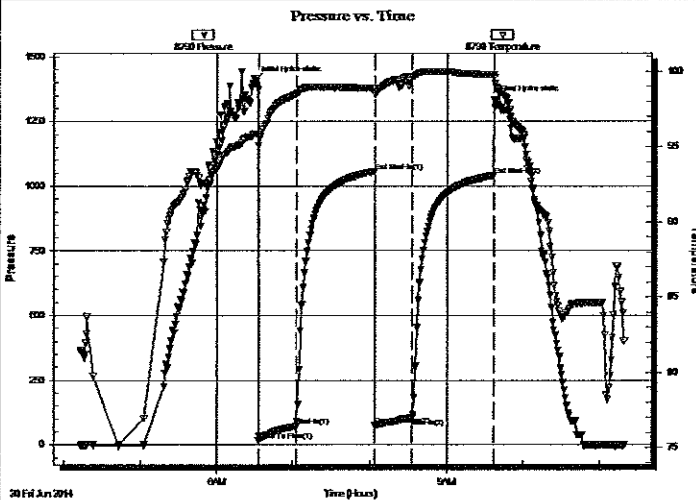
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51991 DST#: 1
Test Start: 2014.06.20 @ 04:12:46

GENERAL INFORMATION:

Formation: **Tarkio Sand**
Deviated: **No Whipstock** ft (KB) Test Type: **Conventional Bottom Hole (Initial)**
Time Tool Opened: **06:32:31** Tester: **Ryan Reynolds**
Time Test Ended: **11:19:01** Unit No: **68**
Interval: **2827.00 ft (KB) To 2842.00 ft (KB) (TVD)** Reference Elevations: **1656.00 ft (KB)**
Total Depth: **2842.00 ft (KB) (TVD)** **1646.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: **10.00 ft**

Serial #: 8790 **Outside**
Press@RunDepth: **104.19 psig @ 2828.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2014.06.20** End Date: **2014.06.20** Last Calib.: **2014.06.20**
Start Time: **04:12:51** End Time: **11:19:00** Time On Btm: **2014.06.20 @ 06:29:46**
Time Off Btm: **2014.06.20 @ 09:36:46**

TEST COMMENT: IF: Strong blow . BOB @ 15 min.
IS: Weak Surf. BB
FF: Weak blow . Surf. - 2"
FS: No blow



PRESSURE SUMMARY

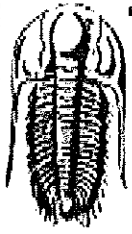
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1409.76	95.85	Initial Hydro-static
3	16.84	95.09	Open To Flow (1)
33	71.30	98.49	Shut-in(1)
94	1056.85	98.89	End Shut-in(1)
95	75.54	98.49	Open To Flow (2)
123	104.19	99.63	Shut-in(2)
187	1041.56	99.76	End Shut-in(2)
187	1335.10	99.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	SLI OMCW 1%o, 10%m, 89%w	0.59
60.00	OWCM 10%o, 40%w, 50%m	0.81
20.00	VMCO 21%w, 30%m, 49%o	0.28
1.00	Clean Oil	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



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124 N. Main
Atlica, KS 67009-0195
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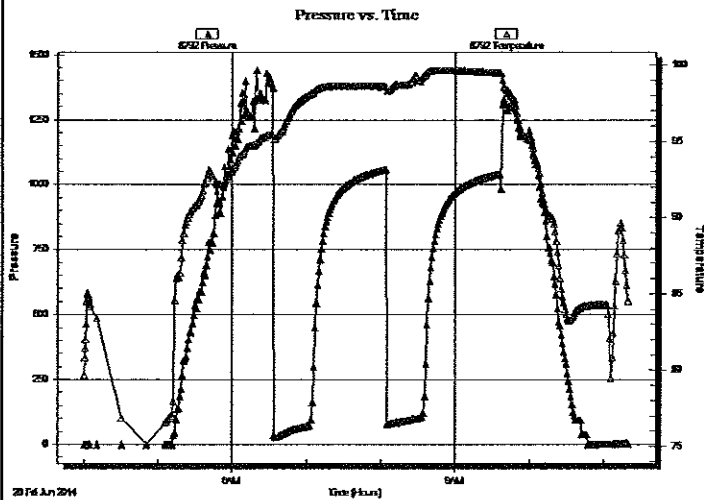
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51991 DST#: 1
Test Start: 2014.06.20 @ 04:12:46

GENERAL INFORMATION:

Formation: Tarkio Sand
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:32:31
Time Test Ended: 11:19:01
Interval: 2827.00 ft (KB) To 2842.00 ft (KB) (TVD)
Total Depth: 2842.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 68
Reference Elevations: 1656.00 ft (KB)
1646.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8792 Inside
Press@RunDepth: psig @ 2828.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.20 End Date: 2014.06.20 Last Calb.: 2014.06.20
Start Time: 04:00:23 End Time: 11:20:17 Time On Btmr
Time Off Btmr

TEST COMMENT: IF: Strong blow . BOB @ 15 min.
IS: Weak Surf. BB
FF: Weak blow . Surf. - 2"
FS: No blow



PRESSURE SUMMARY

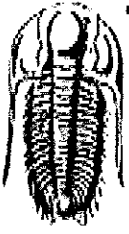
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
119.00	SLI OMCW 1%o, 10%m, 89%w	0.59
60.00	OWCM 10%o, 40%w, 50%m	0.81
20.00	VMCO 21%w, 30%m, 49%o	0.28
1.00	Clean Oil	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

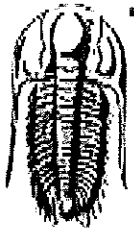
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51991 DST#: 1
Test Start: 2014.06.20 @ 04:12:46

Tool Information

Drill Pipe:	Length: 2693.00 ft	Diameter: 3.80 inches	Volume: 37.78 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 38.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	2827.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 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			2808.00	
Shut In Tool	5.00			2813.00	
Hydraulic tool	5.00			2818.00	
Packer	5.00			2823.00	20.00 Bottom Of Top Packer
Packer	4.00			2827.00	
Stubb	1.00			2828.00	
Recorder	0.00	8792	Inside	2828.00	
Recorder	0.00	8790	Outside	2828.00	
Perforations	11.00			2839.00	
Bullnose	3.00			2842.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51991 **DST#: 1**
Test Start: 2014.06.20 @ 04:12:46

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:	70000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	SLI OMCW 1%o, 10%m, 89%w	0.585
60.00	OWCM 10%o, 40%w, 50%m	0.814
20.00	WMCO 21%w, 30%m, 49%o	0.281
1.00	Clean Oil	0.014

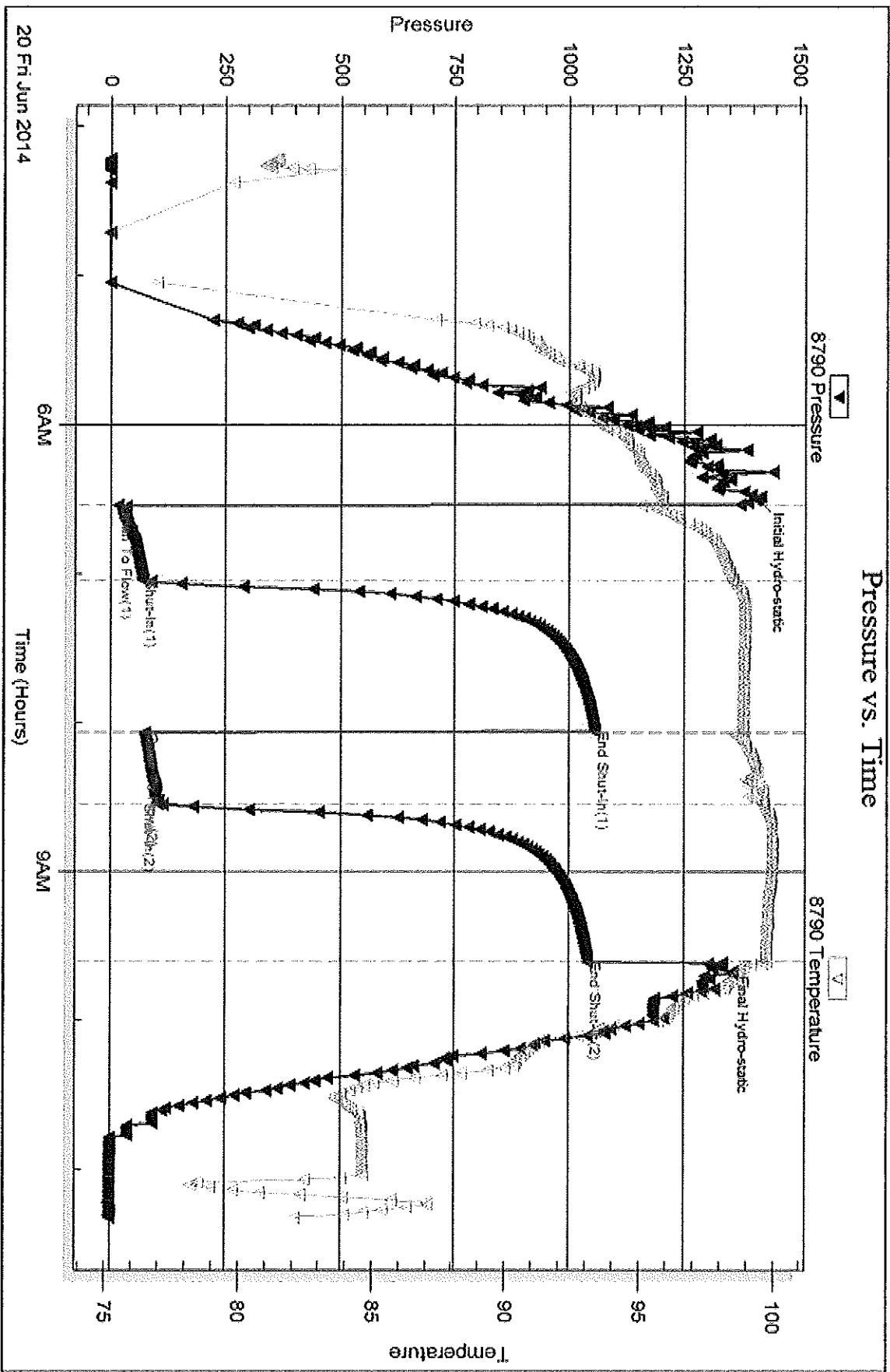
Total Length: 200.00 ft Total Volume: 1.694 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8790

Outside R & B Oil & Gas, Inc.

Dana #A-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51591

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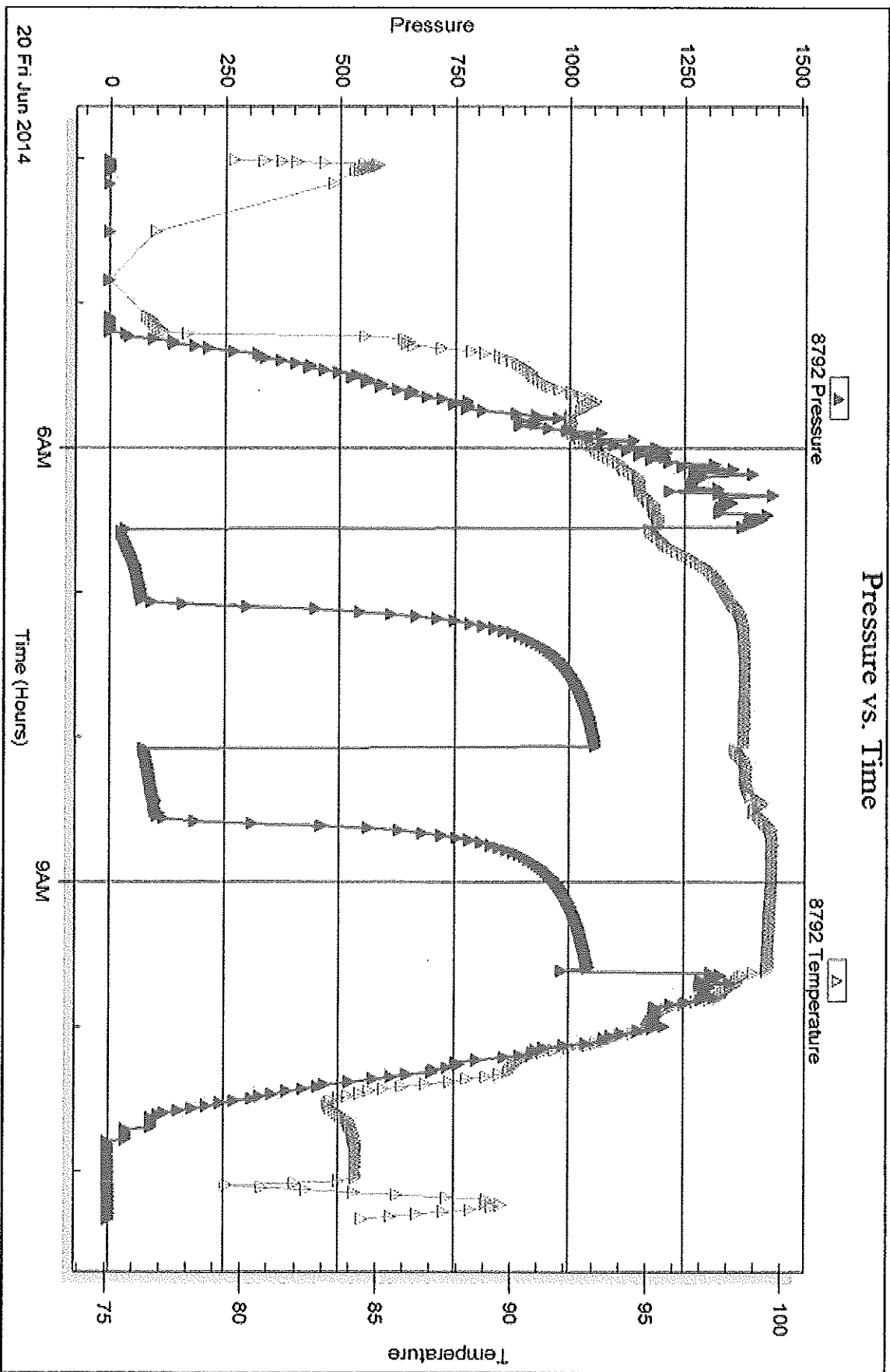
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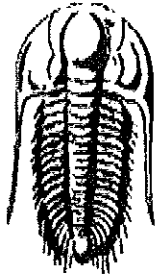
Inside

R & B Oil & Gas, Inc.

Data #A-1

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas, Inc.**

124 N. Main
Attica, KS 67009-0195

ATTN: Tim Pierce

Dana #A-1

6-32s-10w Barber,KS

Start Date: 2014.06.23 @ 14:11:02

End Date: 2014.06.23 @ 19:48:32

Job Ticket #: 51992 DST #: 2

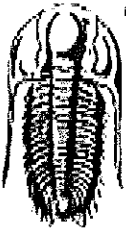
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.26 @ 16:20:46

R & B Oil & Gas, Inc. 6-32s-10w Barber,KS Dana #A-1 DST # 2 Miss. 2014.06.23



**TRILOBITE
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DRILL STEM TEST REPORT

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

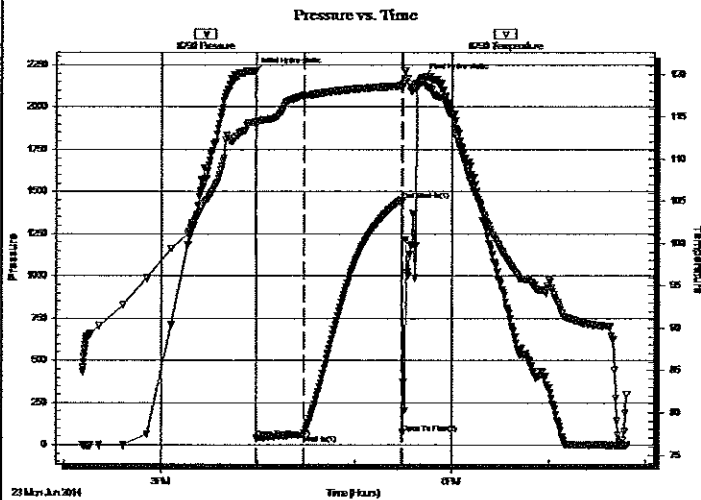
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51992 **DST#: 2**
Test Start: 2014.06.23 @ 14:11:02

GENERAL INFORMATION:

Formation: Miss.
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:59:02
Time Test Ended: 19:48:32
Interval: 4466.00 ft (KB) To 4492.00 ft (KB) (TVD)
Total Depth: 4492.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 68
Reference Elevations: 1656.00 ft (KB)
1646.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8790 **Outside**
Press@RunDepth: 59.13 psig @ 4467.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.23 End Date: 2014.06.23 Last Calib.: 2014.06.23
Start Time: 14:11:07 End Time: 19:48:31 Time On Btm: 2014.06.23 @ 15:57:47
Time Off Btm: 2014.06.23 @ 17:41:17

TEST COMMENT: IF: Strong blow . BOB @ 1 min.
ISE No blow
FF: Strong blow . BOB @ 1 min. (lost circ. / pulled tool)
No FSI Period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.32	114.38	Initial Hydro-static
2	41.43	114.04	Open To Flow (1)
31	59.13	117.50	Shut-in(1)
91	1450.68	118.66	End Shut-in(1)
92	71.87	118.62	Open To Flow (2)
104	2171.96	119.04	Final Hydro-static

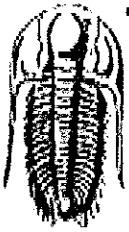
Recovery

Length (ft)	Description	Volume (bbl)
1405.00	Drig mud 100% mud	18.60
150.00	OWCM 1%o, 5%w, 94%m	2.10
0.00	715' GP	0.00

* Recovery from multiple tests

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (m ³ /d)



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124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

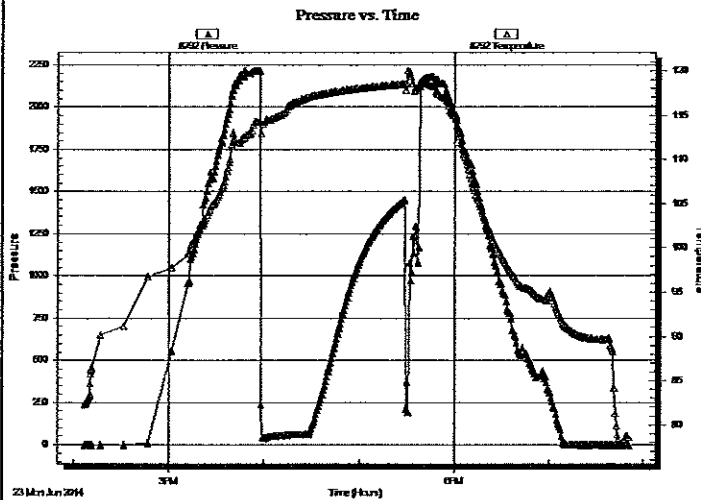
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51992 **DST#: 2**
Test Start: 2014.06.23 @ 14:11:02

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
Time Tool Opened: 15:59:02 Tester: **Ryan Reynolds**
Time Test Ended: 19:48:32 Unit No: **68**
Interval: **4466.00 ft (KB) To 4492.00 ft (KB) (TVD)** Reference Elevations: **1656.00 ft (KB)**
Total Depth: **4492.00 ft (KB) (TVD)** **1646.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GRVCF: **10.00 ft**

Serial #: 8792 Inside
Press@RunDepth: psig @ 4467.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.23 End Date: 2014.06.23 Last Calib.: 2014.06.23
Start Time: 14:06:48 End Time: 19:50:27 Time On Btmr
Time Off Btmr

TEST COMMENT: IF: Strong blow . BOB @ 1 min.
IS: No blow
FF: Strong blow . BOB @ 1 min. (lost circ. / pulled tool)
No FSI Period.



PRESSURE SUMMARY

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

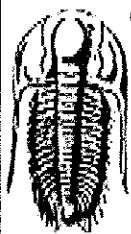
Recovery

Length (ft)	Description	Volume (bbl)
1405.00	Drig mud 100%mud	18.60
150.00	OWCM 1%o, 5%w, 94%m	2.10
0.00	715' GP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas, Inc.

6-32s-10w Barber,KS

124 N. Main
Altica, KS 67009-0195

Dana #A-1

Job Ticket: 51992

DST#: 2

ATTN: Tim Pierce

Test Start: 2014.06.23 @ 14:11:02

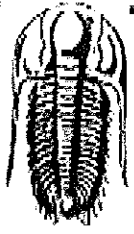
Tool Information

Drill Pipe:	Length: 4335.00 ft	Diameter: 3.80 inches	Volume: 60.81 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 97000.00 lb
			<u>Total Volume: 61.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4466.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	46.00 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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Change Over Sub	1.00			4447.00	
Shut In Tool	5.00			4452.00	
Hydraulic tool	5.00			4457.00	
Packer	5.00			4462.00	20.00 Bottom Of Top Packer
Packer	4.00			4466.00	
Stubb	1.00			4467.00	
Recorder	0.00	8792	Inside	4467.00	
Recorder	0.00	8790	Outside	4467.00	
Perforations	22.00			4489.00	
Bullnose	3.00			4492.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51992 **DST#: 2**
Test Start: 2014.06.23 @ 14:11:02

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:	38000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in ³	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 bbl
1405.00	Drig mud 100% mud	18.597
150.00	OWCM 1%o, 5%w, 94%m	2.104
0.00	715' GP	0.000

Total Length: 1555.00 ft Total Volume: 20.701 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial#: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

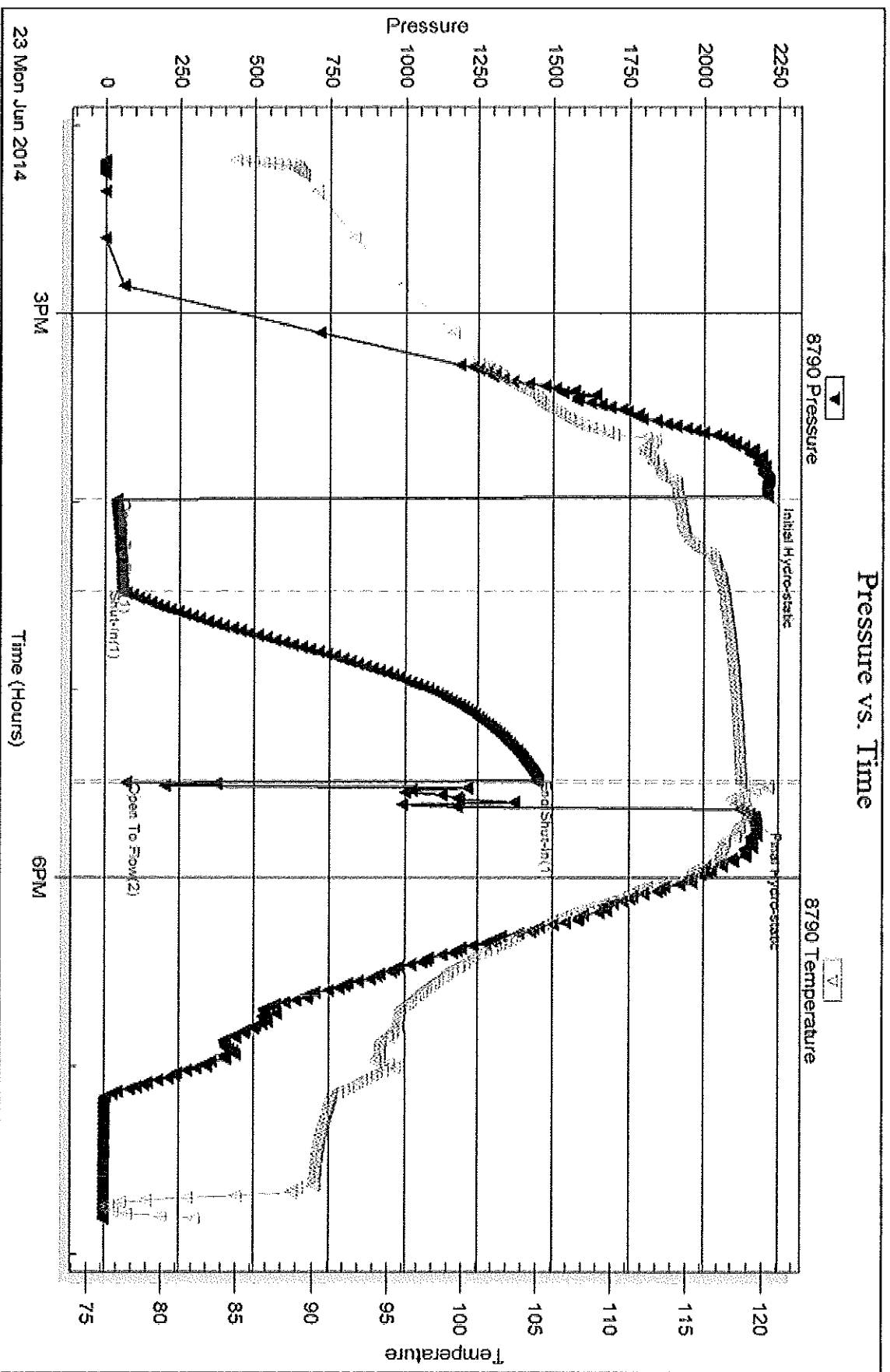
Serial #: 8790

Outside R & B Oil & Gas, Inc.

Dana #A-1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 51992

Printed: 2014.06.26 @ 16:20:47

Serial #: 8792

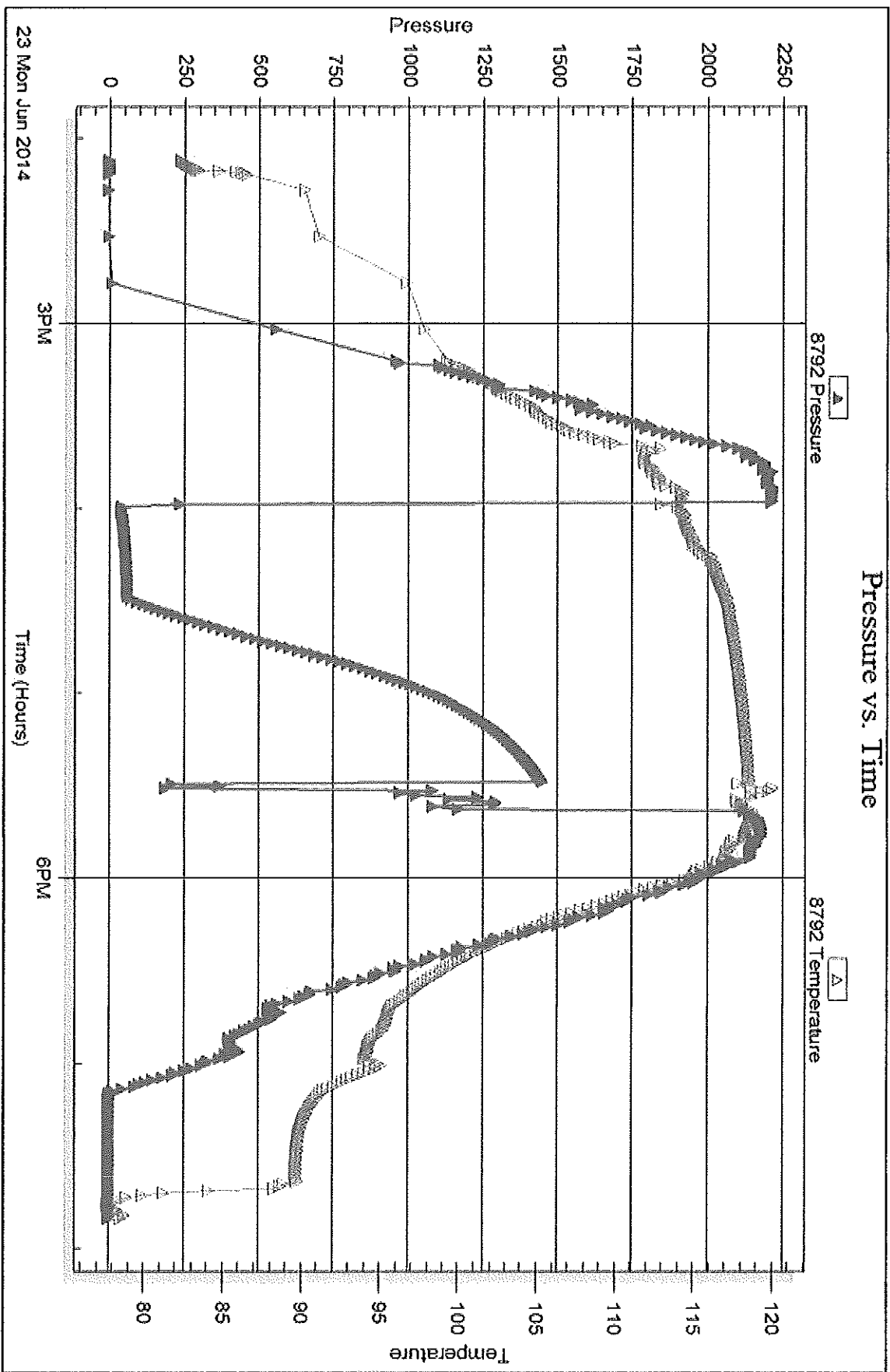
Inside

R & B Oil & Gas, Inc.

Dena #A-1

DST Test Number: 2

Pressure vs. Time

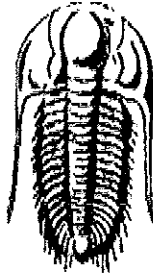


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Ref. No: 51592

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Prepared For: **R & B Oil & Gas, Inc.**

124 N. Main
Attica, KS 67009-0195

ATTN: Tim Pierce

Dana #A-1

6-32s-10w Barber,KS

Start Date: 2014.06.24 @ 03:30:31

End Date: 2014.06.24 @ 11:00:16

Job Ticket #: 51993 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.26 @ 16:20:23

R & B Oil & Gas, Inc. 6-32s-10w Barber,KS Dana #A-1 DST # 3 Miss. 2014.06.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

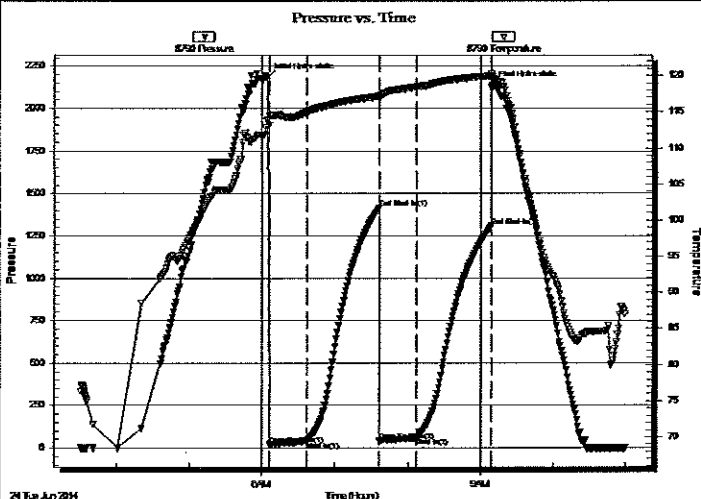
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51993 **DST#: 3**
Test Start: 2014.06.24 @ 03:30:31

GENERAL INFORMATION:

Formation: Miss.	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Ryan Reynolds
Time Tool Opened: 06:06:16	Unit No: 68
Time Test Ended: 11:00:16	Reference Elevations: 1656.00 ft (KB)
Interval: 4480.00 ft (KB) To 4500.00 ft (KB) (TVD)	1646.00 ft (CF)
Total Depth: 4500.00 ft (KB) (TVD)	KB to GRVCF: 10.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

Serial #: 8790 Outside	Capacity: 8000.00 psig
Press@RunDepth: 56.27 psig @ 4481.00 ft (KB)	Last Calib.: 2014.06.24
Start Date: 2014.06.24 End Date: 2014.06.24	Time On Btm: 2014.06.24 @ 06:04:31
Start Time: 03:30:36 End Time: 11:00:15	Time Off Btm: 2014.06.24 @ 09:09:31

TEST COMMENT: IF: Fair blow . surf. - 4"
IS: No blow
FF: Weak blow . surf. - 1/2"
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.08	113.96	Initial Hydro-static
2	18.81	114.48	Open To Flow (1)
32	36.93	114.88	Shut-In(1)
92	1414.18	117.18	End Shut-In(1)
93	40.08	116.98	Open To Flow (2)
123	56.27	118.46	Shut-In(2)
184	1309.61	119.97	End Shut-In(2)
185	2137.61	119.80	Final Hydro-static

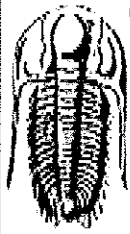
Recovery

Length (ft)	Description	Volume (bbl)
60.00	OWCM 2%o, 44%w, 54%m	0.30
30.00	VSLI OWCM 1rc%o, 2%w, 54%m	0.15
0.00	60' GIP	0.00

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

6-32s-10w Barber, KS
Dana #A-1
Job Ticket: 51993 DST#: 3
Test Start: 2014.06.24 @ 03:30:31

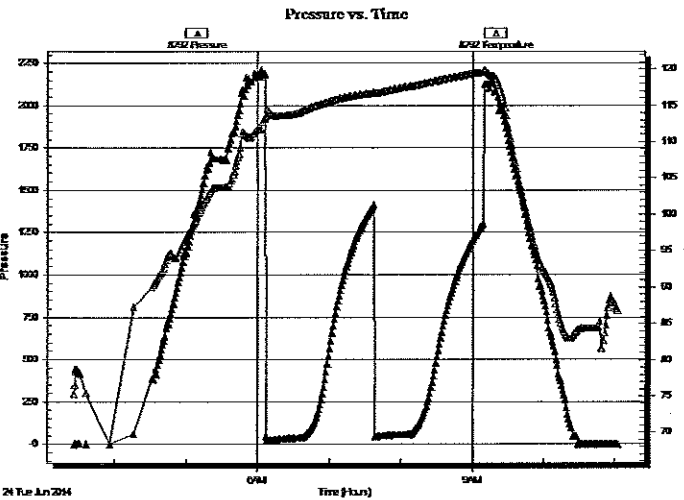
GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No Whipstock** ft (KB) Test Type: **Conventional Bottom Hole (Reset)**
Time Tool Opened: 06:06:16 Tester: **Ryan Reynolds**
Time Test Ended: 11:00:16 Unit No: **68**

Interval: **4480.00 ft (KB) To 4500.00 ft (KB) (TVD)** Reference Elevations: **1656.00 ft (KB)**
Total Depth: **4500.00 ft (KB) (TVD)** **1646.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

Serial #: 8792 **Inside**
Press@RunDepth: psig @ 4481.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.24 End Date: 2014.06.24 Last Calib.: 2014.06.24
Start Time: 03:26:08 End Time: 11:02:47 Time On Btm: Time Off Btm:

TEST COMMENT: IF: Fair blow . surf. - 4"
IS: No blow
FF: Weak blow . surf. - 1/2"
FS: No blow



PRESSURE SUMMARY

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

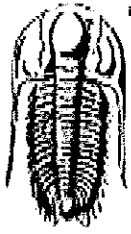
Recovery

Length (ft)	Description	Volume (bbl)
60.00	OWCM 2%o, 44%w, 54% m	0.30
30.00	VS LI OWCM trc%o, 2%w, 54% m	0.15
0.00	60' GIP	0.00

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas, Inc.
124 N. Main
Atlica, KS 67009-0195
ATTN: Tim Pierce

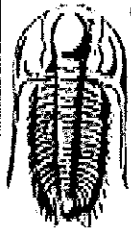
6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51993 **DST#: 3**
Test Start: 2014.06.24 @ 03:30:31

Tool Information

Drill Pipe:	Length: 4366.00 ft	Diameter: 3.80 inches	Volume: 61.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.84 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4480.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			4461.00	
Shut In Tool	5.00			4466.00	
Hydraulic tool	5.00			4471.00	
Packer	5.00			4476.00	20.00 Bottom Of Top Packer
Packer	4.00			4480.00	
Stubb	1.00			4481.00	
Recorder	0.00	8792	Inside	4481.00	
Recorder	0.00	8790	Outside	4481.00	
Perforations	16.00			4497.00	
Bullnose	3.00			4500.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas, Inc.

6-32s-10w Barber,KS

124 N. Main
Atlica, KS 67009-0195

Dana #A-1

Job Ticket: 51993

DST#: 3

ATTN: Tim Pierce

Test Start: 2014.06.24 @ 03:30:31

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:	79000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in ³	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 bbl
60.00	OWCM 2%o, 44%w, 54%m	0.295
30.00	VSLI OWCM trc%o, 2%w, 54%m	0.148
0.00	60' GIP	0.000

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial#: none

Laboratory Name:

Laboratory Location:

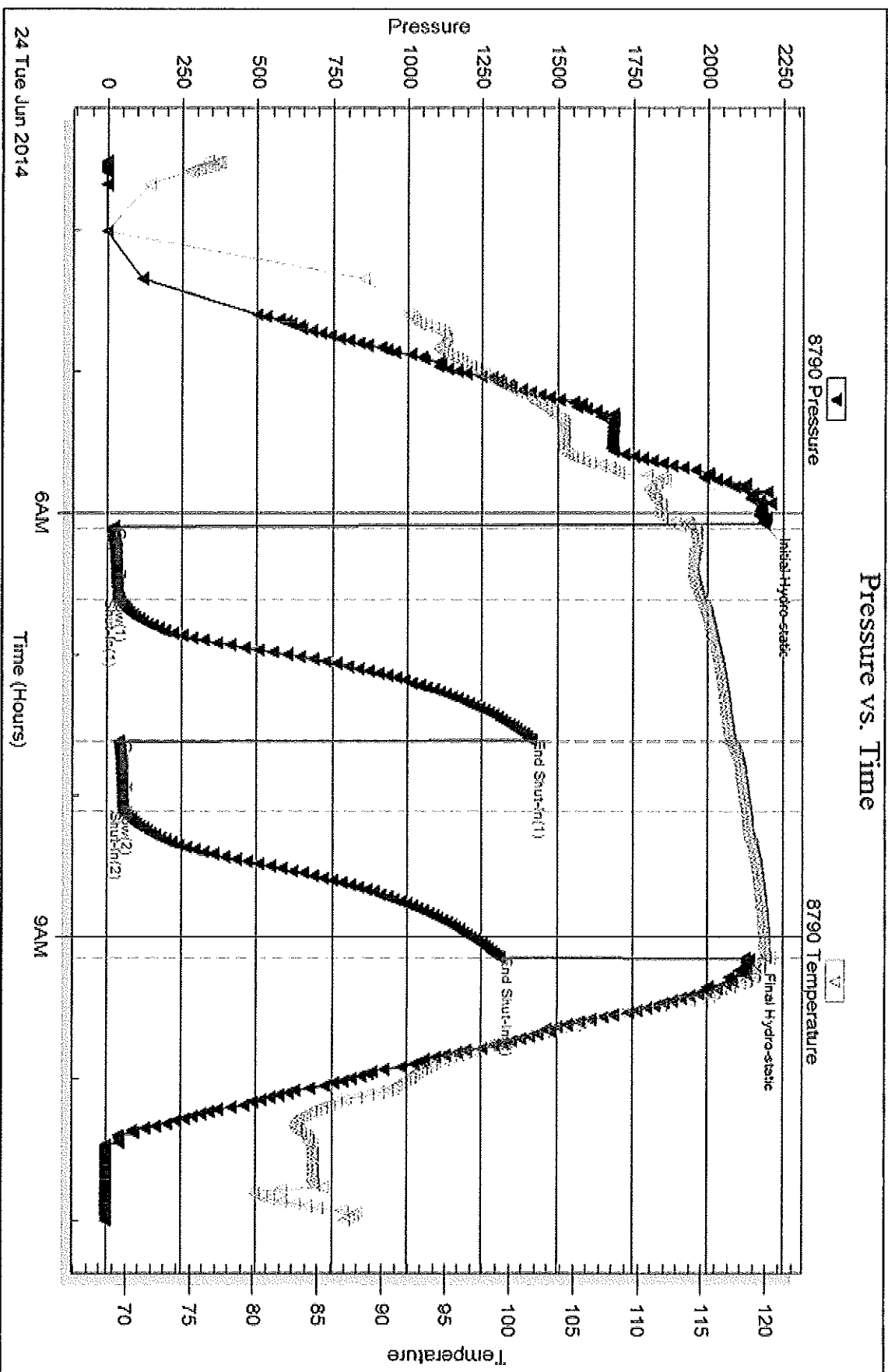
Recovery Comments:

Serial #: 8790

Outside R & B Oil & Gas, Inc.

Dana #A-1

DST Test Number: 3



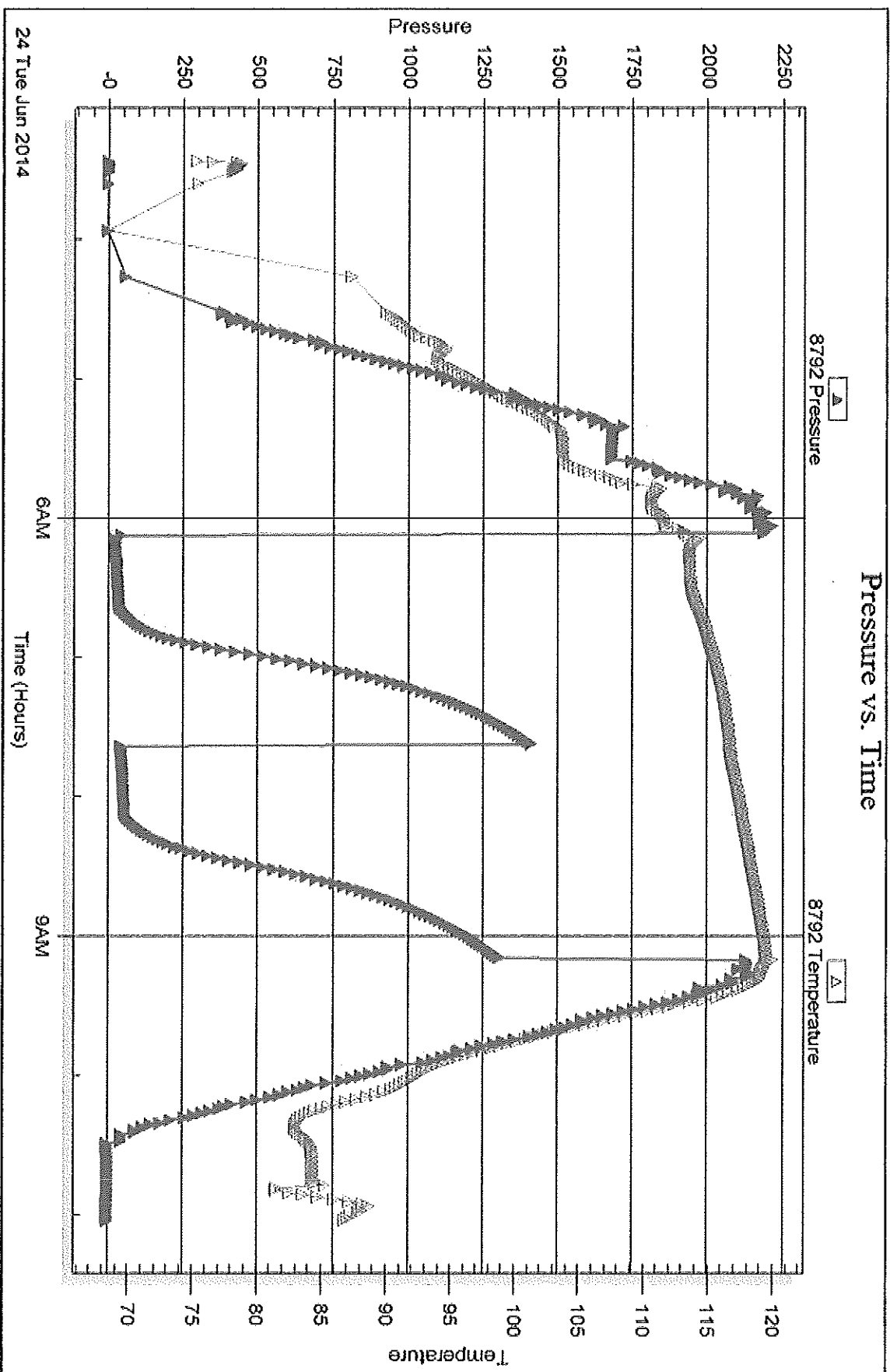
Serial #: 8792

Inside

R & B Oil & Gas, Inc.

Data #A-1

DST Test Number: 3

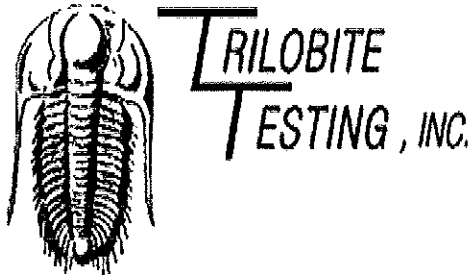


24 Tue Jun 2014

Triobite Testing, Inc

Ref. No: 51593

Printed: 2014.06.26 @ 16:20:25



DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas, Inc.**

124 N. Main
Attica, KS 67009-0195

ATTN: Tim Pierce

Dana #A-1

6-32s-10w Barber,KS

Start Date: 2014.06.24 @ 17:45:50

End Date: 2014.06.25 @ 00:35:35

Job Ticket #: 51994 DST #: 4

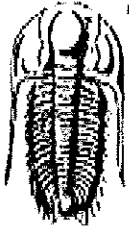
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.26 @ 16:19:31

R & B Oil & Gas, Inc. 6-32s-10w Barber,KS Dana #A-1 DST # 4 Miss. 2014.06.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

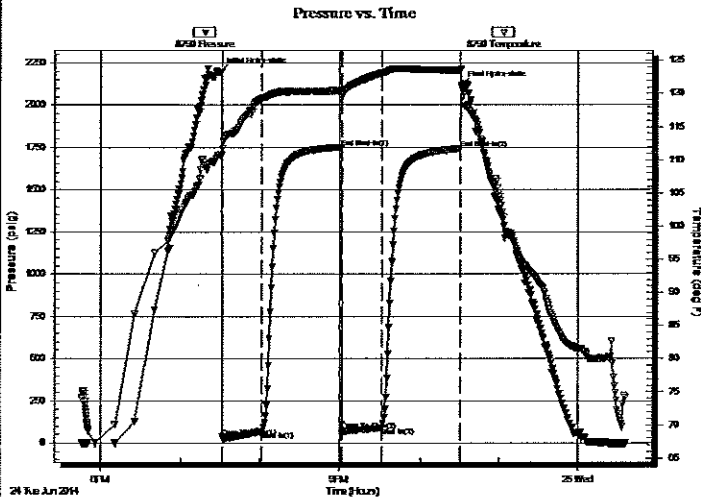
6-32s-10w Barber, KS
Dana #A-1
Job Ticket: 51994 DST#: 4
Test Start: 2014.06.24 @ 17:45:50

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: ft (KB) Test Type: **Conventional Bottom Hole (Reset)**
Time Tool Opened: 19:31:20 Tester: **Ryan Reynolds**
Time Test Ended: 00:35:35 Unit No: **68**
Interval: **4500.00 ft (KB) To 4513.00 ft (KB) (TVD)** Reference Elevations: **1656.00 ft (KB)**
Total Depth: **4513.00 ft (KB) (TVD)** **1646.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

Serial #: 8790 **Outside**
Press@RunDepth: **90.14 psig @ 4501.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2014.06.24** End Date: **2014.06.25** Last Calib.: **2014.06.25**
Start Time: **17:45:55** End Time: **00:35:34** Time On Btm: **2014.06.24 @ 19:29:35**
Time Off Btm: **2014.06.24 @ 22:31:20**

TEST COMMENT: IF: Strong blow . BOB @ 16 min.
IS: No blow
FF: Weak blow . surf. - 2"
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.55	110.73	Initial Hydro-static
2	37.34	110.71	Open To Flow (1)
32	67.53	119.26	Shut-In(1)
92	1751.18	120.47	End Shut-In(1)
93	73.49	119.91	Open To Flow (2)
122	90.14	123.09	Shut-In(2)
182	1743.08	123.50	End Shut-In(2)
182	2117.63	123.72	Final Hydro-static

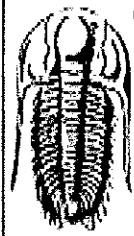
Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLI OCMW 1%o, 14%m, 85%w	0.30
60.00	SLI OCMW 2%o, 35%m, 63%w	0.30
10.00	OWCM 3%o, 3%w, 94%m	0.12
0.00	320' GP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R & B Oil & Gas, Inc.
124 N. Main
Atlica, KS 67009-0195
ATTN: Tim Pierce

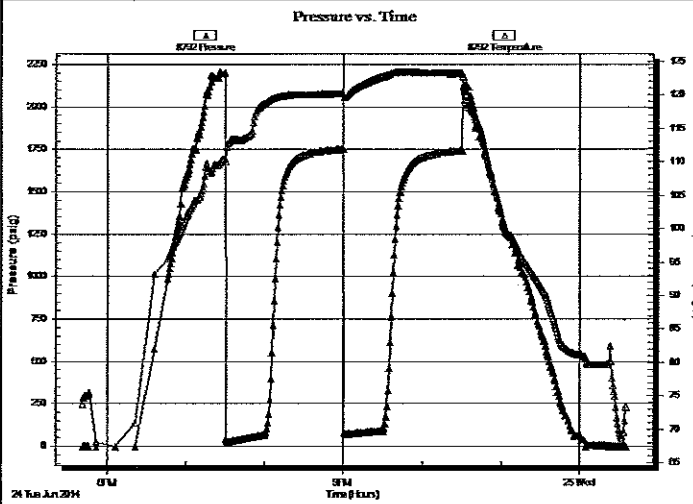
6-32s-10w Barber, KS
Dana #A-1
Job Ticket: 51994 DST#: 4
Test Start: 2014.06.24 @ 17:45:50

GENERAL INFORMATION:

Formation: Miss.			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 19:31:20		Tester: Ryan Reynolds	
Time Test Ended: 00:35:35		Unit No: 68	
Interval: 4500.00 ft (KB) To 4513.00 ft (KB) (TVD)		Reference Elevations: 1656.00 ft (KB)	
Total Depth: 4513.00 ft (KB) (TVD)		1646.00 ft (CF)	
Hole Diameter: 7.88 inches Hole Condition: Fair		KB to GR/CF: 10.00 ft	

Serial #: 8792	Inside		
Press@RunDepth:	psig @	4501.00 ft (KB)	Capacity: 8000.00 psig
Start Date:	2014.06.24	End Date:	2014.06.25
Start Time:	17:41:03	End Time:	00:35:57
		Time On Btmr	
		Time Off Btmr	

TEST COMMENT: IF: Strong blow . BOB @ 16 min.
IS: No blow
FF: Weak blow . surf. - 2"
FS: No blow



PRESSURE SUMMARY

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

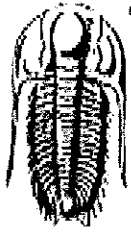
Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLI OCMV 1%o, 14% m, 85% w	0.30
60.00	SLI OCMV 2%o, 35% m, 63% w	0.30
10.00	OWCM 3%o, 3% w, 94% m	0.12
0.00	320' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m ³ /d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas, Inc.
124 N. Main
Attica, KS 67009-0195
ATTN: Tim Pierce

6-32s-10w Barber,KS
Dana #A-1
Job Ticket: 51994 **DST#: 4**
Test Start: 2014.06.24 @ 17:45:50

Tool Information

Drill Pipe:	Length: 4366.00 ft	Diameter: 3.80 inches	Volume: 61.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 61.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4500.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	33.00 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			4481.00	
Shut In Tool	5.00			4486.00	
Hydraulic tool	5.00			4491.00	
Packer	5.00			4496.00	20.00 Bottom Of Top Packer
Packer	4.00			4500.00	
Stubb	1.00			4501.00	
Recorder	0.00	8792	Inside	4501.00	
Recorder	0.00	8790	Outside	4501.00	
Perforations	9.00			4510.00	
Bullnose	3.00			4513.00	13.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas, Inc.

6-32s-10w Barber,KS

124 N. Main
Attica, KS 67009-0195

Dana #A-1

Job Ticket: 51994

DST#: 4

ATTN: Tim Pierce

Test Start: 2014.06.24 @ 17:45:50

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 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	SLI OCMW 1%o, 14%m, 85%w	0.295
60.00	SLI OCMW 2%o, 35%m, 63%w	0.295
10.00	OWCM 3%o, 3%w, 94%m	0.122
0.00	320' GIP	0.000

Total Length: 130.00 ft

Total Volume: 0.712 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

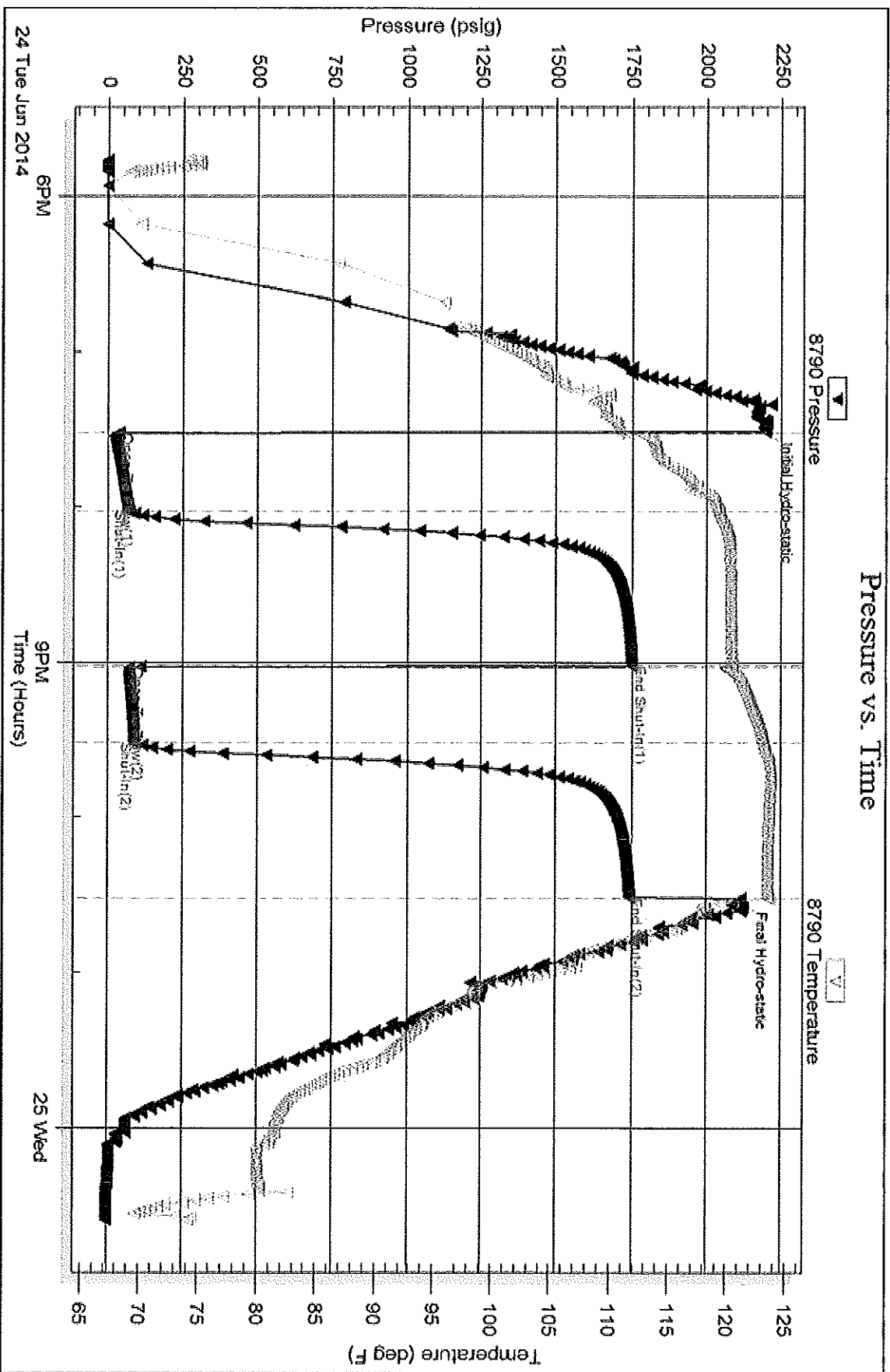
Recovery Comments:

Serial #: 8790

Outside R & B Oil & Gas, Inc.

Dana #A-1

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 51994

Printed: 2014.06.26 @ 16:19:33

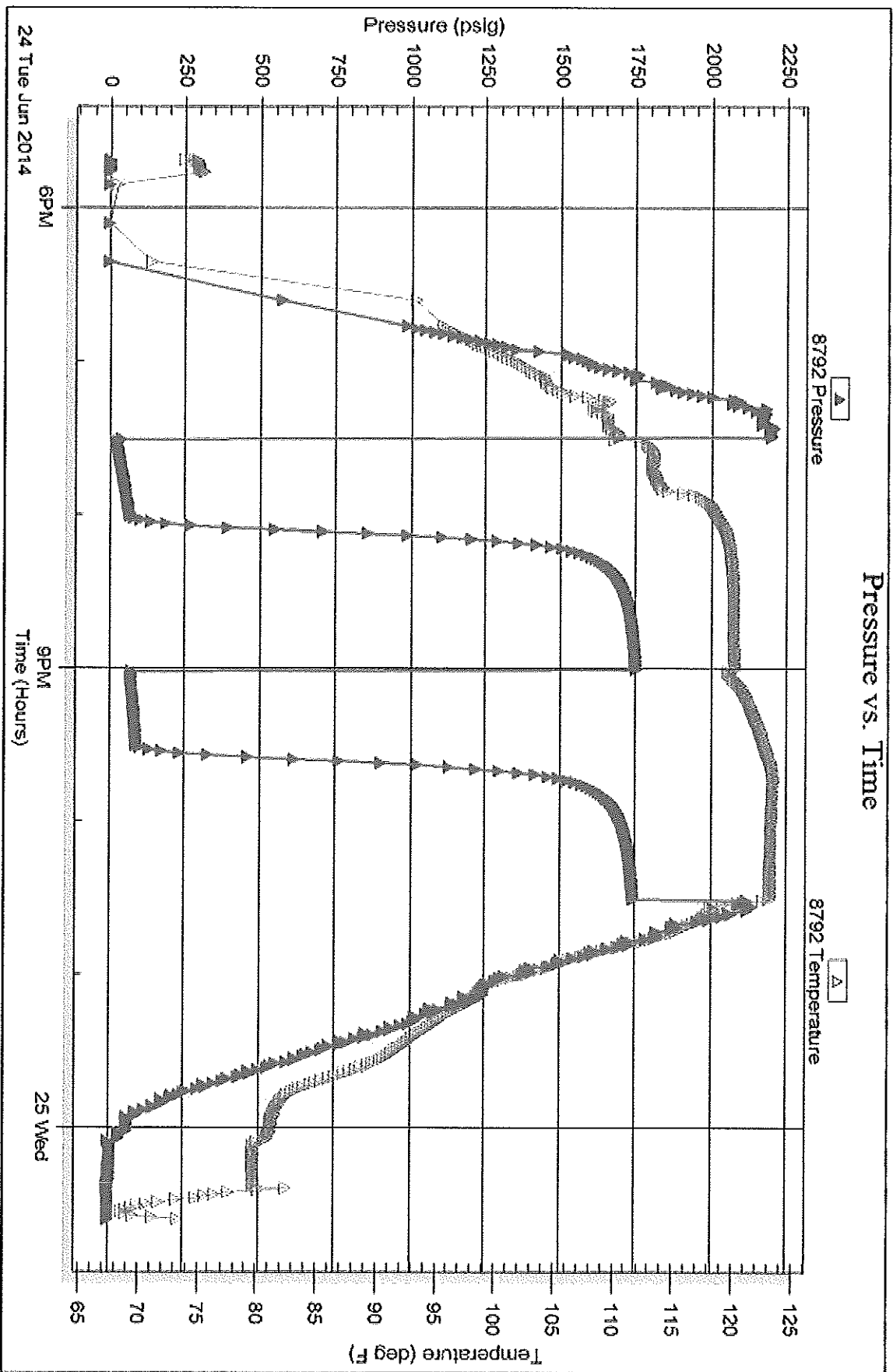
Serial #: 8792

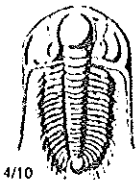
Inside

R & B Oil & Gas, Inc.

Dana #A-1

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51991

Well Name & No. Dana A-1 Test No. 1 Date 6-20-14
 Company R.B. Oil & Gas, Inc. Elevation 1656 KB 1646 GL
 Address 124 N. Main Attica, KS 67009-0195
 Co. Rep / Geo. Tim Pierce Rig Hardt
 Location: Sec. 6 Twp. 32s Rge. 10w. Co. Barber State KS

Interval Tested 2827-2842 Zone Tested Tarkio Sand
 Anchor Length 15 Drill Pipe Run 2693 Mud Wt. 8.7
 Top Packer Depth 2822 Drill Collars Run 122 Vis 55
 Bottom Packer Depth 2827 Wt. Pipe Run Ø WL 8
 Total Depth 2842 Chlorides 1000 ppm System LCM Ø

Blow Description IFI: Strong blow. Bo.B @ 15 min.
ISI: Weak surf. Bo.B
FFI: Weak blow, surf. - 2"
FST: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
1	Clean Oil				
20	WMCO	49	21	30	
60	OWCM	10	40	50	
119	SLI OMCO	1	89	10	

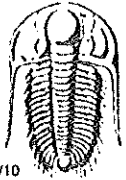
Rec Total 200 BHT 100 Gravity N/L API RW 0.09 @ 85 °F Chlorides 70000 ppm

(A) Initial Hydrostatic 1410 Test 1150 T-On Location 0215
 (B) First Initial Flow 17 Jars No Jars T-Started 0413
 (C) First Final Flow 71 Safety Joint T-Open 0633
 (D) Initial Shut-In 1057 Circ Sub T-Pulled 0933
 (E) Second Initial Flow 76 Hourly Standby T-Out 1119
 (F) Second Final Flow 104 Mileage 88 136.40 Comments PU Tools @
 (G) Final Shut-In 1042 Sampler 6 am 6-22
 (H) Final Hydrostatic 1335 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30
 Initial Shut-In 60
 Final Flow 30 Day Standby 1 day 18.75h
 Final Shut-In 60 Accessibility
 Sub Total 1286.40 Total 2086.40
 MP/DST Disc't

Approved By Tim Pierce Our Representative Ryan Reynolds

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51992

Well Name & No. Dana A-1 Test No. 2 Date 6-23-14
 Company B&B Oil & Gas, Inc. Elevation 1556 KB 1546 GL
 Address 124 N. Main Attica, KS 67009-0195
 Co. Rep / Geo. Tim Pierce Rig Hardt
 Location: Sec. 6 Twp. 32s Rge. 10w Co. Barber State KS

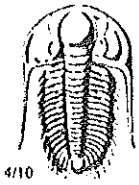
Interval Tested 4466 - 4492 Zone Tested Miss.
 Anchor Length 26 Drill Pipe Run 4335 Mud Wt. 9.3
 Top Packer Depth 4461 Drill Collars Run 122 Vis 40
 Bottom Packer Depth 4466 Wt. Pipe Run Ø WL 10.8
 Total Depth 4492 Chlorides 6000 ppm System LCM 4#

Blow Description FF: Strong blow. BAB @ 1 min. JST: No blow
FF: Strong blow. BAB @ 1 min. (lost circ. during/pulled tool)
FSI: No FSI. (Packer failure)

Rec	Feet of	%gas	%oil	%water	%mud
<u>715</u>	<u>GIP</u>				
<u>150</u>	<u>OWCM</u>		<u>1</u>	<u>5</u>	<u>94</u>
<u>1405</u>	<u>Dng mud</u>				<u>100</u>

Rec Total 1555 BHT 119 Gravity N/C API RW 16 @ 81 °F Chlorides 38000 ppm
 (A) Initial Hydrostatic 2211 Test 1050 T-On Location 1330
 (B) First Initial Flow 41 Jars _____ T-Started 1411
 (C) First Final Flow 59 Safety Joint _____ T-Open 1559
 (D) Initial Shut-In 1451 Circ Sub _____ T-Pulled 1738
 (E) Second Initial Flow 72 Hourly Standby _____ T-Out 1949
 (F) Second Final Flow — Mileage 88 136.40 Comments Mis-run, lost
 (G) Final Shut-In _____ Sampler _____ circ. on FFP of
 (H) Final Hydrostatic 2172 Straddle _____ Packer failure
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Initial Open 30
 Initial Shut-In 60
 Final Flow 210
 Final Shut-In _____
 Day Standby _____
 Accessibility _____
 Sub Total 1186.40 MP/DST Disc't _____
 Total 1186.40

Approved By Tim Pierce Our Representative Ryan Reynolds
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51993

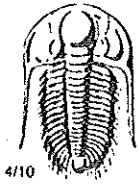
Well Name & No. Dana A-1 Test No. 3 Date 6-24-14
 Company R & B Oil & Gas, Inc. Elevation 1556 KB 1546 GL
 Address 124 N. Main Attica, KS 67009-0195
 Co. Rep / Geo. Tim Pierce Rig Hardt
 Location: Sec. 6 Twp. 32 S Rge. 10 W Co. Barber State KS

Interval Tested 4480-4500 Zone Tested Miss.
 Anchor Length 20' Drill Pipe Run 4366 Mud Wt. 9.3
 Top Packer Depth 4475 Drill Collars Run 122 Vis 40
 Bottom Packer Depth 4480 Wt. Pipe Run Ø WL 10.8
 Total Depth 4500 Chlorides 6000 ppm System LCM 4#
 Blow Description IFI Fair blow. Surf. - 4" ISI: No blow
FFI Weak blow. Surf. - 1/2" FST: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GIP</u>				
<u>30</u>	<u>VSLI OWCM</u>	<u>72</u>	<u>2</u>	<u>98</u>	
<u>60</u>	<u>OWCM</u>	<u>2</u>	<u>44</u>	<u>54</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 90 BHT 120 Gravity N/C API RW .08 @ 85 °F Chlorides 79000 ppm
 (A) Initial Hydrostatic 2185 Test 1250 T-On Location 0315
 (B) First Initial Flow 19 Jars _____ T-Started 0331
 (C) First Final Flow 37 Safety Joint _____ T-Open 0606
 (D) Initial Shut-In 1414 Circ Sub _____ T-Pulled 0908
 (E) Second Initial Flow 40 Hourly Standby _____ T-Out 1100
 (F) Second Final Flow 56 Mileage 88 136.40 Comments _____
 (G) Final Shut-In 1310 Sampler _____
 (H) Final Hydrostatic 2138 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1386.40
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1386.40

Approved By Tim Pierce Our Representative Ryan Reynolds
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51994

Well Name & No. Dana A-1 Test No. 4 Date 6-24-14
 Company R & B Oil & Gas, Inc. Elevation 1556 KB 1546 GL
 Address 124 N. Main Attica, KS 67009-0195
 Co. Rep / Geo. Tim Pierce Rig Hardt
 Location: Sec. 6 Twp. 32s Rge. 10w Co. Barber State KS

Interval Tested 4500-4513 Zone Tested Miss.
 Anchor Length 13 Drill Pipe Run 4366 Mud Wt. 9.0
 Top Packer Depth 4495 Drill Collars Run 122 Vis 49
 Bottom Packer Depth 4500 Wt. Pipe Run Ø WL 9.6
 Total Depth 4513 Chlorides 5000 ppm System LCM 6#
 Blow Description IF: Strong blow, BOB @ 16 min, IST: No blow.
FF: Weak blow, surf, - 2" FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
320	GIF				
10	OWCM	3	3	94	
60	SLI OCMW	2	63	35	
60	SLI OCMW	1	85	14	

Rec Total 130 BHT 123 Gravity N/C API RW 0.08 @ 72° F Chlorides 95000 ppm
 (A) Initial Hydrostatic 2199 Test 1250 T-On Location 1730
 (B) First Initial Flow 37 Jars _____ T-Started 1746
 (C) First Final Flow 68 Safety Joint _____ T-Open 1931
 (D) Initial Shut-In 1751 Circ Sub _____ T-Pulled 2231
 (E) Second Initial Flow 73 Hourly Standby _____ T-Out 0036
 (F) Second Final Flow 90 Mileage 88 136.40 Comments _____
 (G) Final Shut-In 1743 Sampler _____
 (H) Final Hydrostatic 2118 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1386.40
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1386.40

Approved By Tim Pierce

Our Representative Ryan Reynolds

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