



DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

Jezek #4

21-16s-10w Ellsworth,KS

Start Date: 2013.03.02 @ 16:51:23

End Date: 2013.03.02 @ 21:10:38

Job Ticket #: 50893 DST #: 1

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

Printed: 2013.03.08 @ 14:18:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50893

DST#: 1

ATTN: Steve Peterman

Test Start: 2013.03.02 @ 16:51:23

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:08:53

Time Test Ended: 21:10:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: 3331.00 ft (KB) To 3346.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3346.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 6798 Inside

Press @ Run Depth: psig @ 3332.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.02

End Date: 2013.03.02

Last Calib.: 2013.03.02

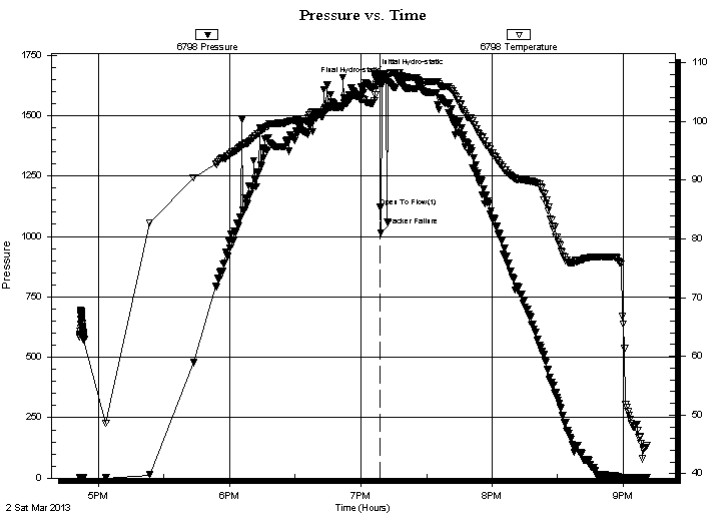
Start Time: 16:51:24

End Time: 21:10:38

Time On Btm: 2013.03.02 @ 19:06:08

Time Off Btm: 2013.03.02 @ 19:12:23

TEST COMMENT: Packer Failure, Tried to Reset, Failed a Second Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.85	103.53	Initial Hydro-static
3	1120.78	107.00	Open To Flow (1)
3	1014.91	107.94	Packer Failure
7	1639.42	108.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50893

DST#: 1

ATTN: Steve Peterman

Test Start: 2013.03.02 @ 16:51:23

Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 46.49 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3331.00 ft			Final 52000.00 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
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Shut In Tool	5.00			3316.00	
Hydraulic tool	5.00			3321.00	
Packer	5.00			3326.00	20.00 Bottom Of Top Packer
Packer	5.00			3331.00	
Stubb	1.00			3332.00	
Recorder	0.00	6798	Inside	3332.00	
Recorder	0.00	8367	Outside	3332.00	
Perforations	11.00			3343.00	
Bullnose	3.00			3346.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50893

DST#: 1

ATTN: Steve Peterman

Test Start: 2013.03.02 @ 16:51:23

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Mud	2.525

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

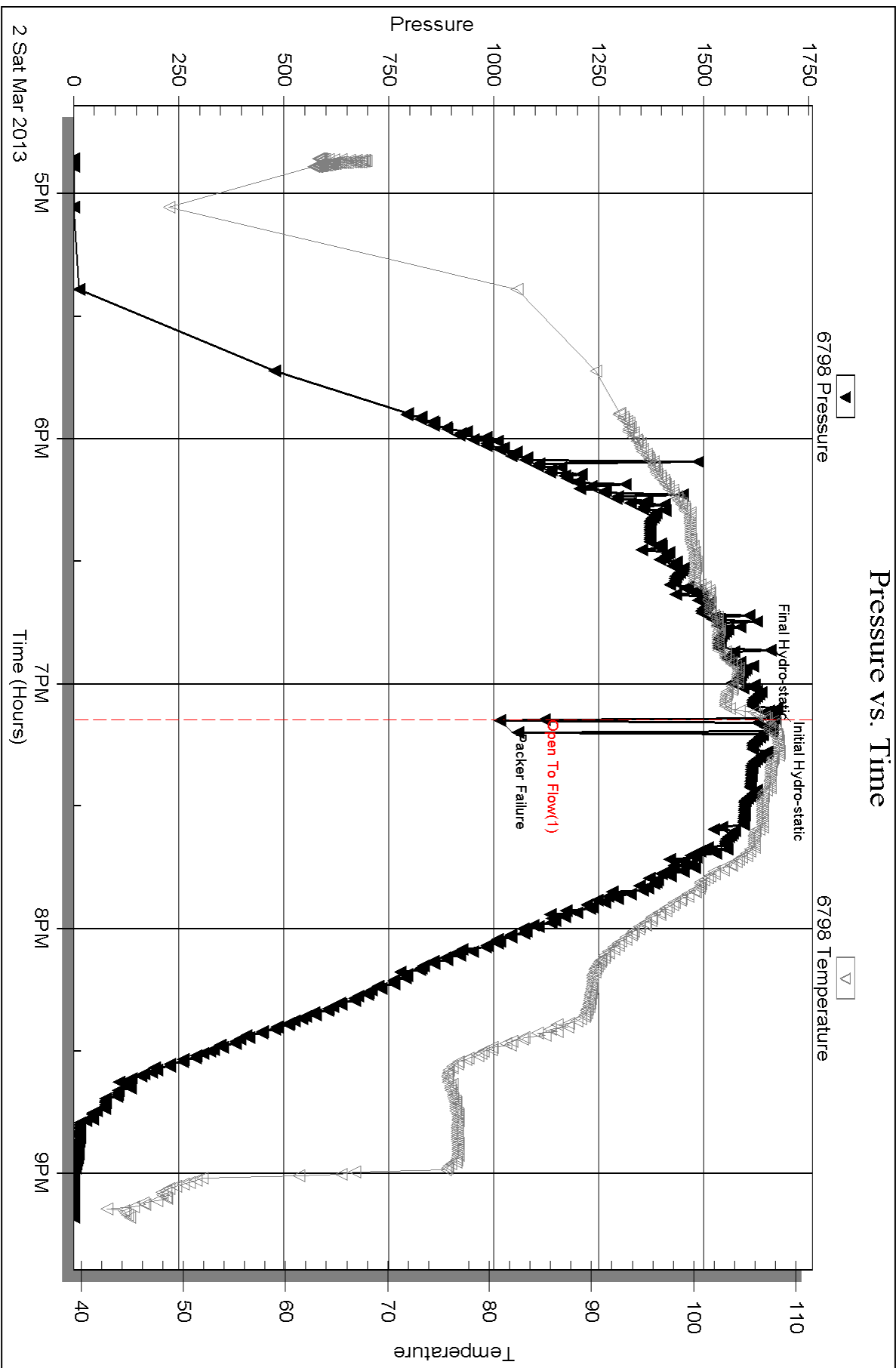
Serial #: 6798

Inside

L B Exploration

Jezeq #4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50893

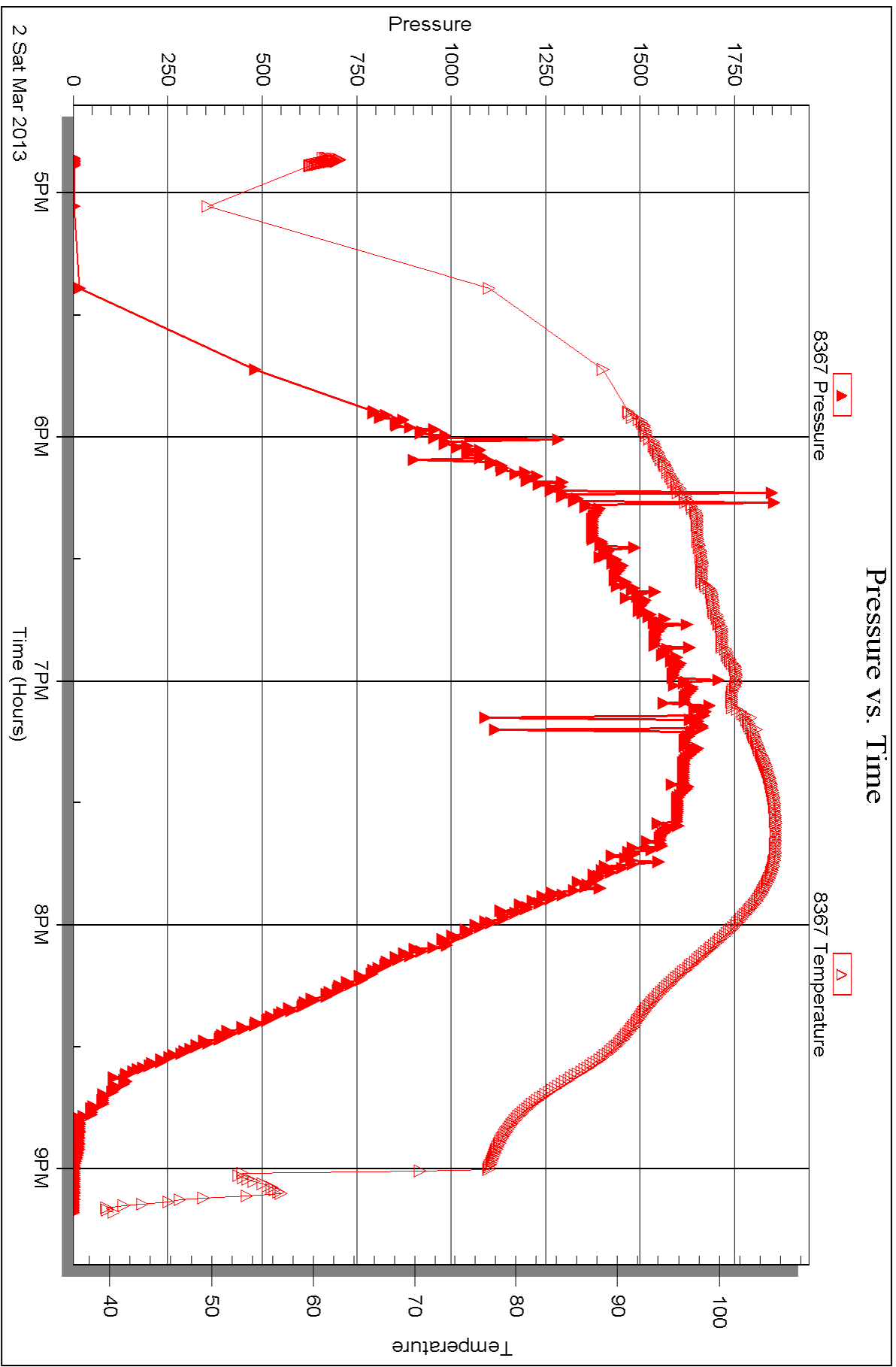
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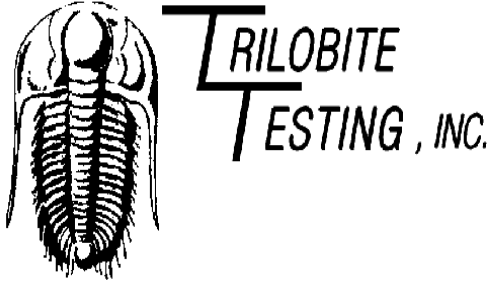
Serial #: 8367

Outside L B Exploration

Jezek #4

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

Jezek #4

21-16s-10w Ellsworth,KS

Start Date: 2013.03.03 @ 02:41:26

End Date: 2013.03.03 @ 06:23:41

Job Ticket #: 50894 DST #: 2

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

Printed: 2013.03.08 @ 14:17:36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50894

DST#: 2

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 02:41:26

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:37:26

Time Test Ended: 06:23:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 3329.00 ft (KB) To 3346.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3346.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 6798 Inside

Press @ Run Depth: psig @ 3330.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.03

End Date:

2013.03.03

Last Calib.:

2013.03.03

Start Time:

02:41:27

End Time:

06:23:41

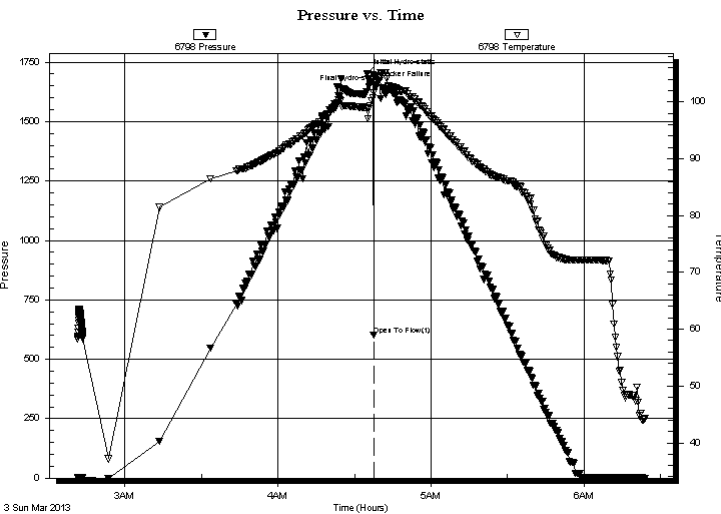
Time On Btm:

2013.03.03 @ 04:34:56

Time Off Btm:

2013.03.03 @ 04:42:41

TEST COMMENT: Packer Failed, Tried to Reset, Pulled Test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.92	98.94	Initial Hydro-static
3	600.77	101.62	Open To Flow (1)
3	1653.33	103.11	Packer Failure
8	1633.56	104.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud	1.68

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

L B Exploration

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

21-16s-10w Ellsworth,KS

Jezeq #4

Job Ticket: 50894

DST#: 2

Test Start: 2013.03.03 @ 02:41:26

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:37:26

Time Test Ended: 06:23:41

Interval: 3329.00 ft (KB) To 3346.00 ft (KB) (TVD)

Total Depth: 3346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Reference Elevations: 1875.00 ft (KB)

1860.00 ft (CF)

KB to GR/CF: 15.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 3330.00 ft (KB)

Start Date: 2013.03.03

End Date: 2013.03.03

Capacity: 8000.00 psig

Last Calib.: 2013.03.03

Start Time: 02:41:27

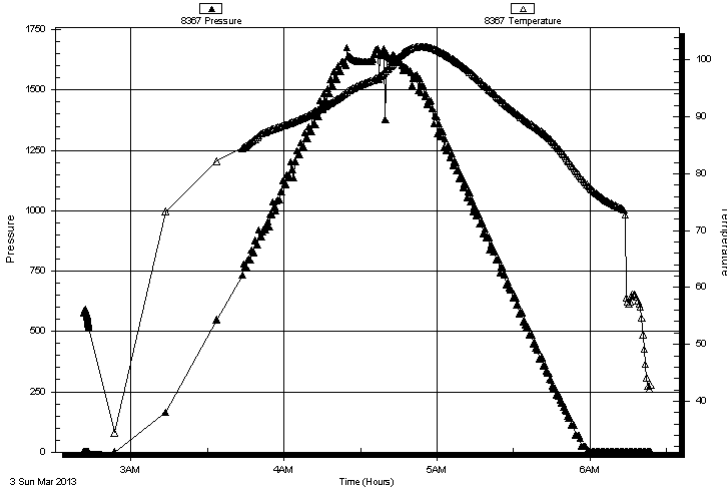
End Time: 06:23:41

Time On Btm:

Time Off Btm:

TEST COMMENT: Packer Failed, Tried to Reset, Pulled Test

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
120.00	Mud	1.68

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50894

DST#: 2

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 02:41:26

Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 46.49 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3329.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Shale Packer on Bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3314.00	
Hydraulic tool	5.00			3319.00	
Packer	5.00			3324.00	20.00 Bottom Of Top Packer
Packer	5.00			3329.00	
Stubb	1.00			3330.00	
Recorder	0.00	6798	Inside	3330.00	
Recorder	0.00	8367	Outside	3330.00	
Perforations	13.00			3343.00	
Bullnose	3.00			3346.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50894

DST#: 2

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 02:41:26

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud	1.683

Total Length: 120.00 ft Total Volume: 1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

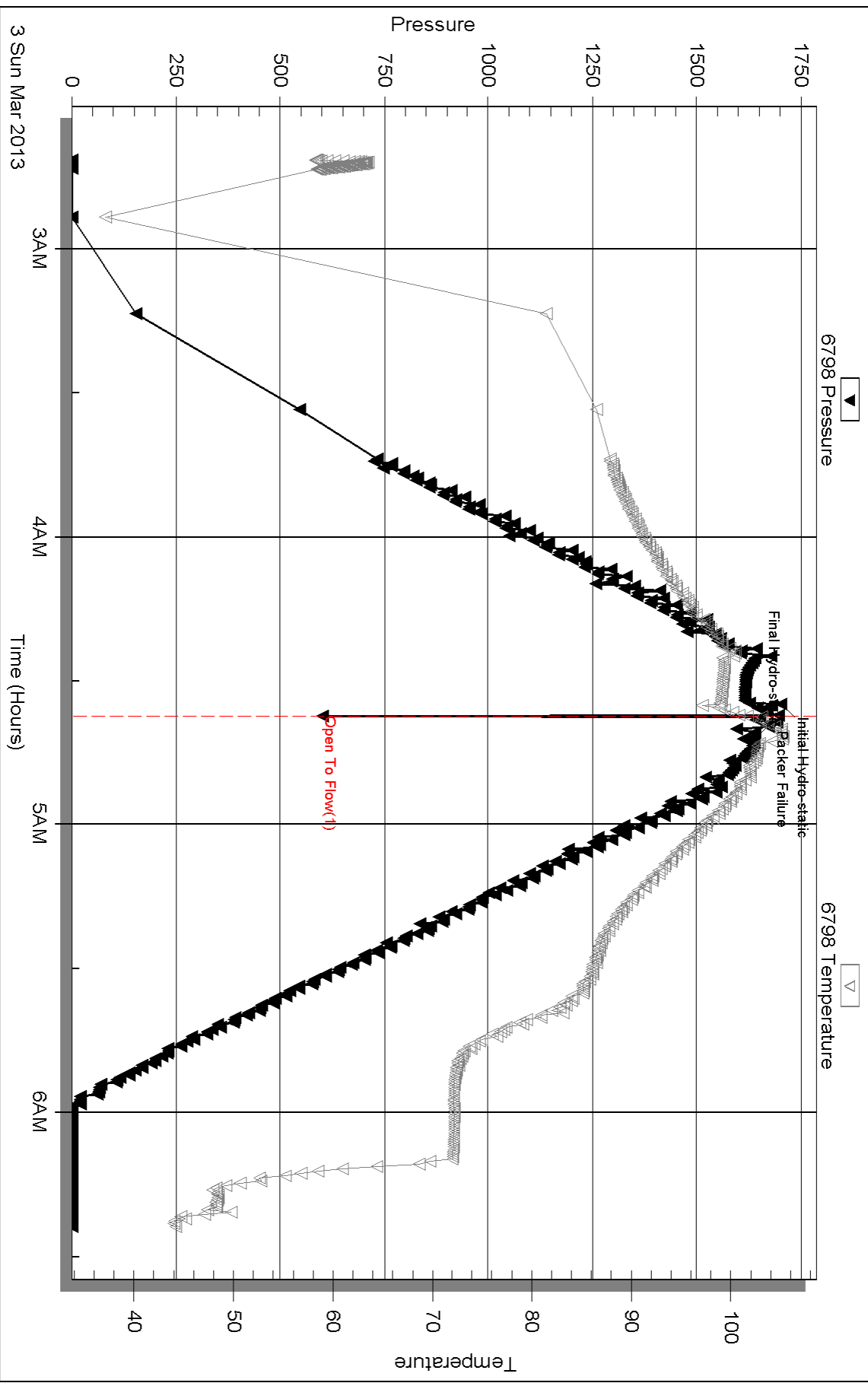
Inside

L B Exploration

Jezeq #4

DST Test Number: 2

Pressure vs. Time

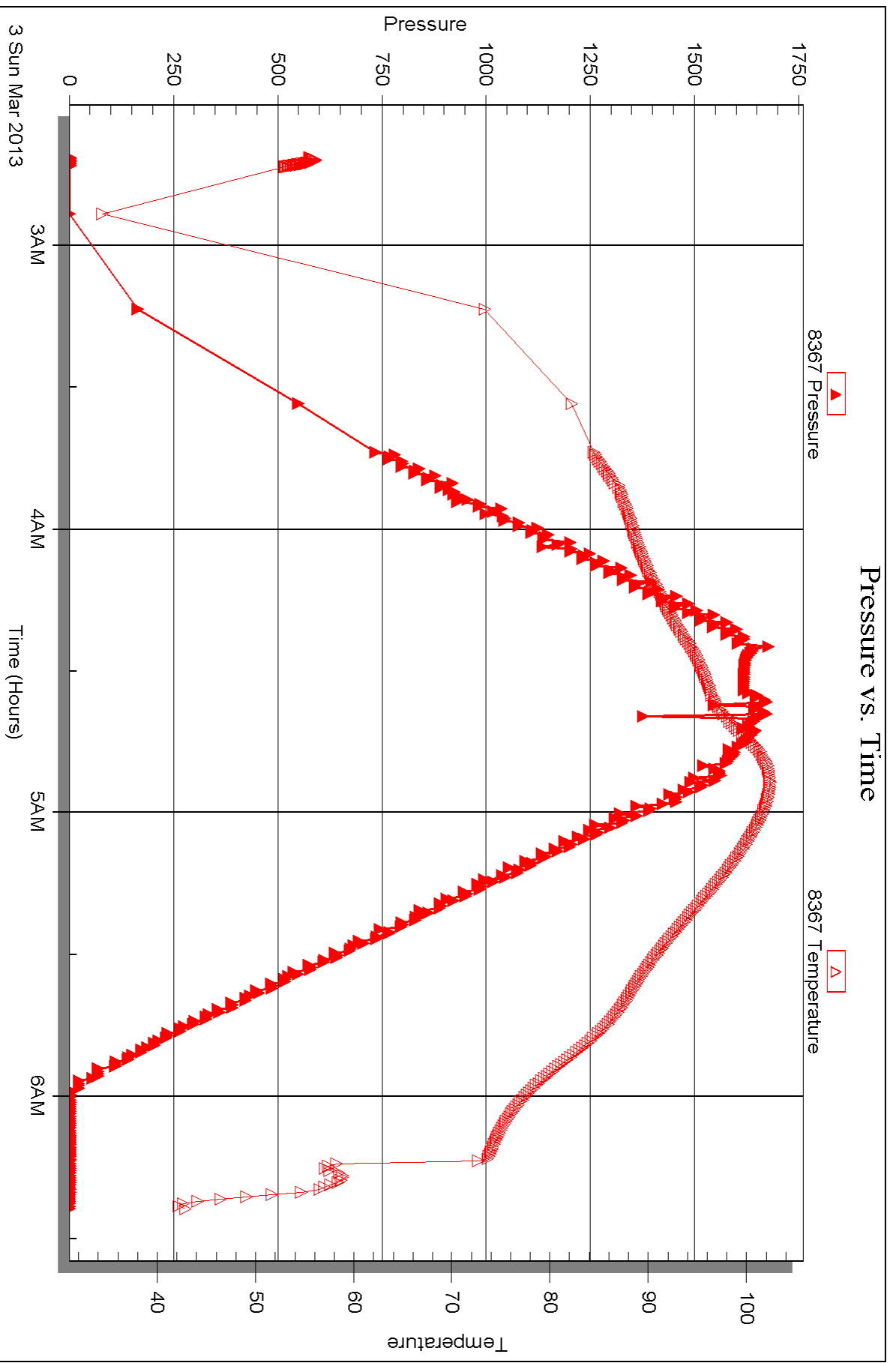


Serial #: 8367

Outside L B Exploration

Jezek #4

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

Jezek #4

21-16s-10w Ellsworth,KS

Start Date: 2013.03.03 @ 06:43:46

End Date: 2013.03.03 @ 12:01:01

Job Ticket #: 50895 DST #: 3

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

Printed: 2013.03.08 @ 14:16:59



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50895

DST#: 3

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 06:43:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:31:46

Time Test Ended: 12:01:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 3291.00 ft (KB) To 3346.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3346.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 33.62 psig @ 3292.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.03

End Date:

2013.03.03

Last Calib.: 2013.03.03

Start Time: 06:43:47

End Time:

12:01:01

Time On Btm: 2013.03.03 @ 08:31:01

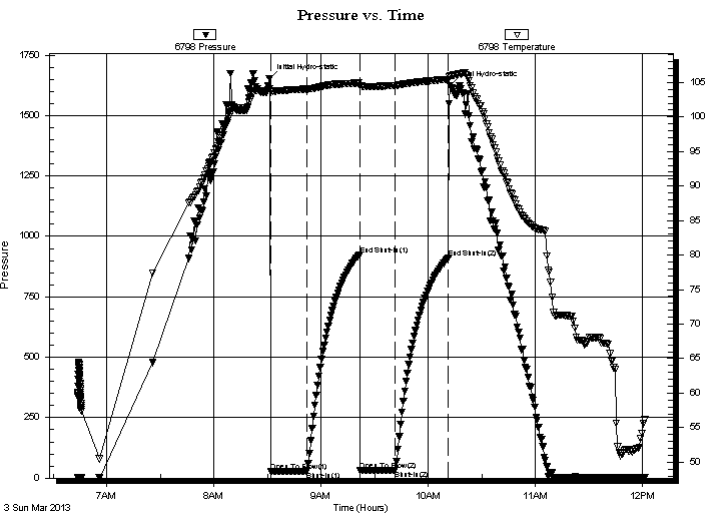
Time Off Btm: 2013.03.03 @ 10:12:16

TEST COMMENT: IF: Weak 1" Blow , Died Off to Surface Blow

IS: No Blow Back

FF: Weak Surface Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.66	104.12	Initial Hydro-static
1	27.15	103.59	Open To Flow (1)
21	29.45	104.04	Shut-In(1)
51	924.94	104.95	End Shut-In(1)
51	31.02	104.56	Open To Flow (2)
71	33.62	104.56	Shut-In(2)
101	911.59	105.47	End Shut-In(2)
102	1622.67	105.95	Final Hydro-static

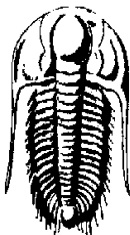
Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

L B Exploration

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

21-16s-10w Ellsworth,KS

Jezeq #4

Job Ticket: 50895

DST#: 3

Test Start: 2013.03.03 @ 06:43:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:31:46

Time Test Ended: 12:01:01

Interval: **3291.00 ft (KB) To 3346.00 ft (KB) (TVD)**

Total Depth: 3346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Reference Elevations: 1875.00 ft (KB)

1860.00 ft (CF)

KB to GR/CF: 15.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 3292.00 ft (KB)

Start Date: 2013.03.03

End Date:

2013.03.03

Capacity: 8000.00 psig

Last Calib.:

2013.03.03

Start Time: 06:43:47

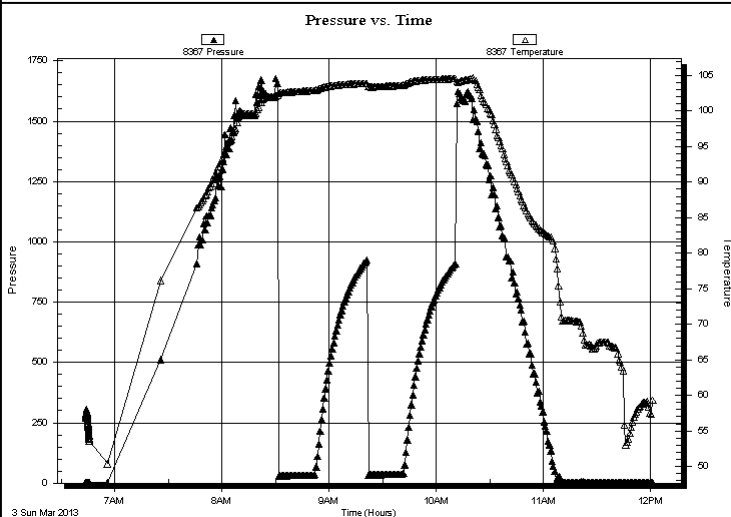
End Time:

12:01:01

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak 1" Blow , Died Off to Surface Blow
IS: No Blow Back
FF: Weak Surface Blow
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezek #4

Job Ticket: 50895

DST#: 3

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 06:43:46

Tool Information

Drill Pipe:	Length: 3284.00 ft	Diameter: 3.80 inches	Volume: 46.07 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 46.07 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3291.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 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			3276.00	
Hydraulic tool	5.00			3281.00	
Packer	5.00			3286.00	20.00 Bottom Of Top Packer
Packer	5.00			3291.00	
Stubb	1.00			3292.00	
Recorder	0.00	6798	Inside	3292.00	
Recorder	0.00	8367	Outside	3292.00	
Perforations	11.00			3303.00	
Change Over Sub	1.00			3304.00	
Drill Pipe	30.00			3334.00	
Change Over Sub	1.00			3335.00	
Perforations	8.00			3343.00	
Bullnose	3.00			3346.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50895

DST#: 3

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 06:43:46

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

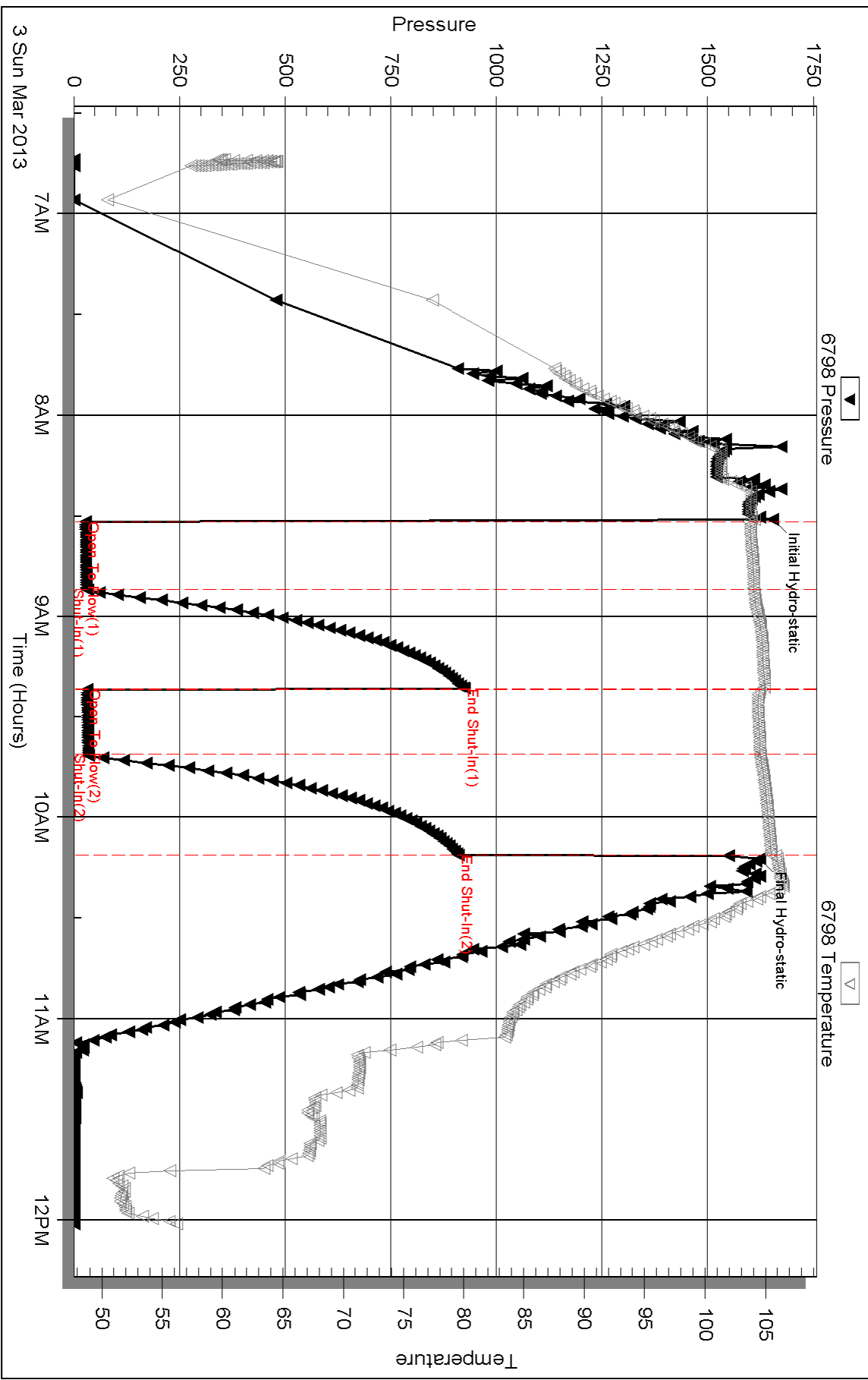
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

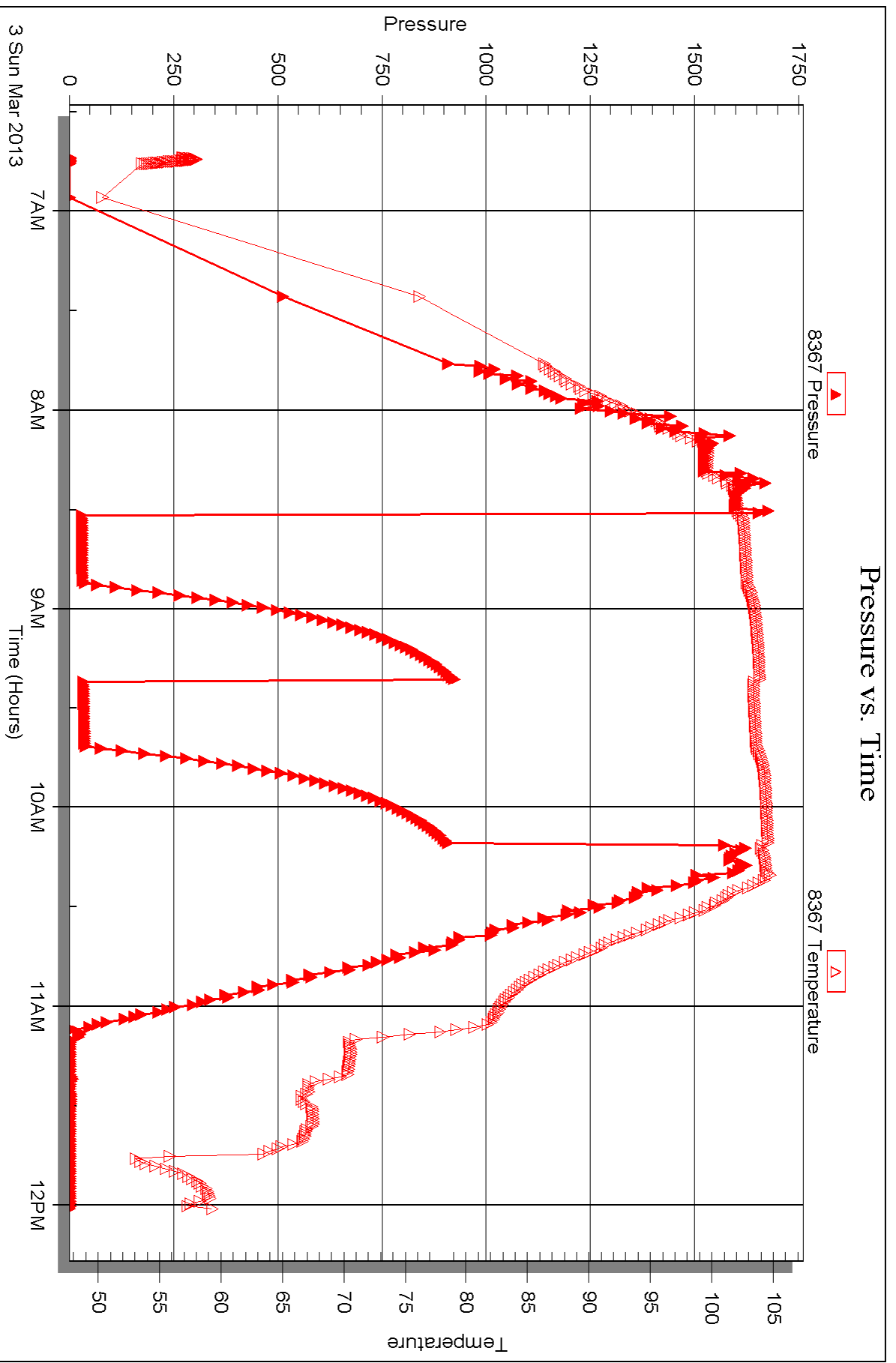


Serial #: 8367

Outside L B Exploration

Jezeq #4

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

Jezek #4

21-16s-10w Ellsworth,KS

Start Date: 2013.03.03 @ 17:25:58

End Date: 2013.03.03 @ 23:51:43

Job Ticket #: 50896 DST #: 4

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

Printed: 2013.03.08 @ 14:16:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50896

DST#: 4

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 17:25:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:15:43

Time Test Ended: 23:51:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 3291.00 ft (KB) To 3350.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 45.81 psig @ 3292.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.03

End Date: 2013.03.03

Last Calib.: 2013.03.03

Start Time: 17:25:59

End Time: 23:51:43

Time On Btm: 2013.03.03 @ 19:13:43

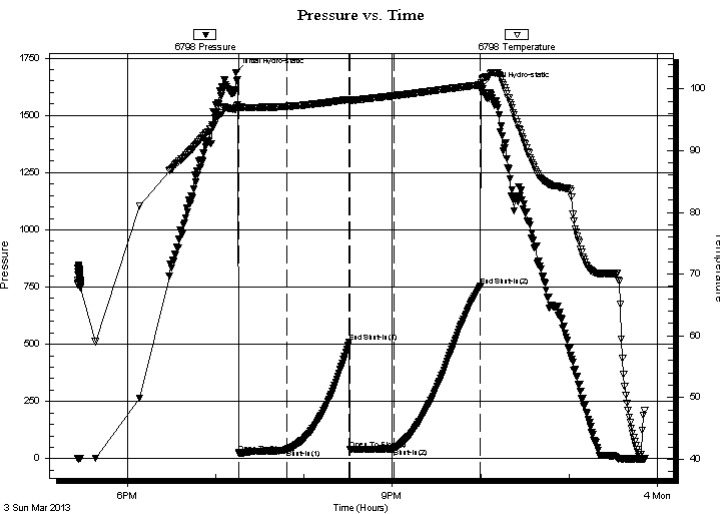
Time Off Btm: 2013.03.03 @ 22:00:58

TEST COMMENT: IF 10" Blow in 5 minutes, Died Off to 1 1/2" in 30 minutes

IS: No Blow Back

FF: Weak 1/4" Blow, Died Off to Surface Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.71	96.99	Initial Hydro-static
2	23.66	97.04	Open To Flow (1)
35	41.31	97.14	Shut-In(1)
77	509.57	98.29	End Shut-In(1)
78	40.04	98.12	Open To Flow (2)
108	45.81	98.88	Shut-In(2)
167	755.27	100.63	End Shut-In(2)
168	1624.59	101.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud	0.63

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezek #4

Job Ticket: 50896

DST#: 4

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 17:25:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:15:43

Time Test Ended: 23:51:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 3291.00 ft (KB) To 3350.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 3292.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.03

End Date: 2013.03.03

Last Calib.: 2013.03.03

Start Time: 17:25:59

End Time: 23:51:43

Time On Btm:

Time Off Btm:

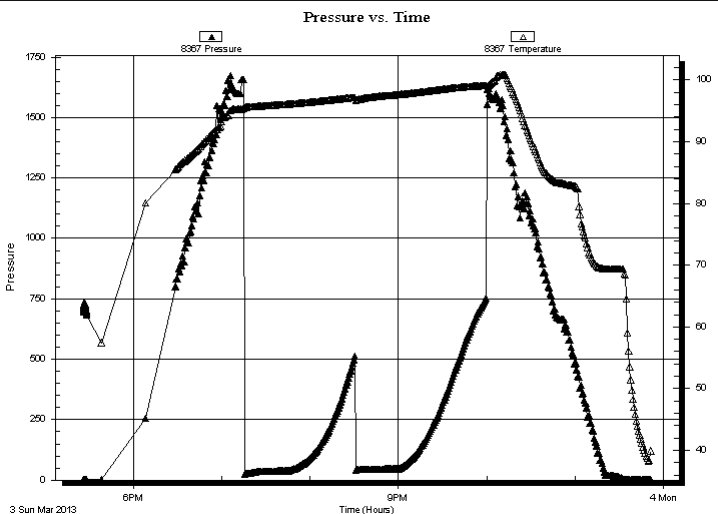
TEST COMMENT: IF 10" Blow in 5 minutes, Died Off to 1 1/2" in 30 minutes

IS: No Blow Back

FF: Weak 1/4" Blow, Died Off to Surface Blow

FS: No Blow Back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud	0.63

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezek #4

Job Ticket: 50896

DST#: 4

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 17:25:58

Tool Information

Drill Pipe:	Length: 3284.00 ft	Diameter: 3.80 inches	Volume: 46.07 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 46.07 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3291.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	79.00 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			3276.00	
Hydraulic tool	5.00			3281.00	
Packer	5.00			3286.00	20.00 Bottom Of Top Packer
Packer	5.00			3291.00	
Stubb	1.00			3292.00	
Recorder	0.00	6798	Inside	3292.00	
Recorder	0.00	8367	Outside	3292.00	
Perforations	15.00			3307.00	
Change Over Sub	1.00			3308.00	
Drill Pipe	30.00			3338.00	
Change Over Sub	1.00			3339.00	
Perforations	8.00			3347.00	
Bullnose	3.00			3350.00	59.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50896

DST#: 4

ATTN: Steve Peterman

Test Start: 2013.03.03 @ 17:25:58

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 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
45.00	Mud	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

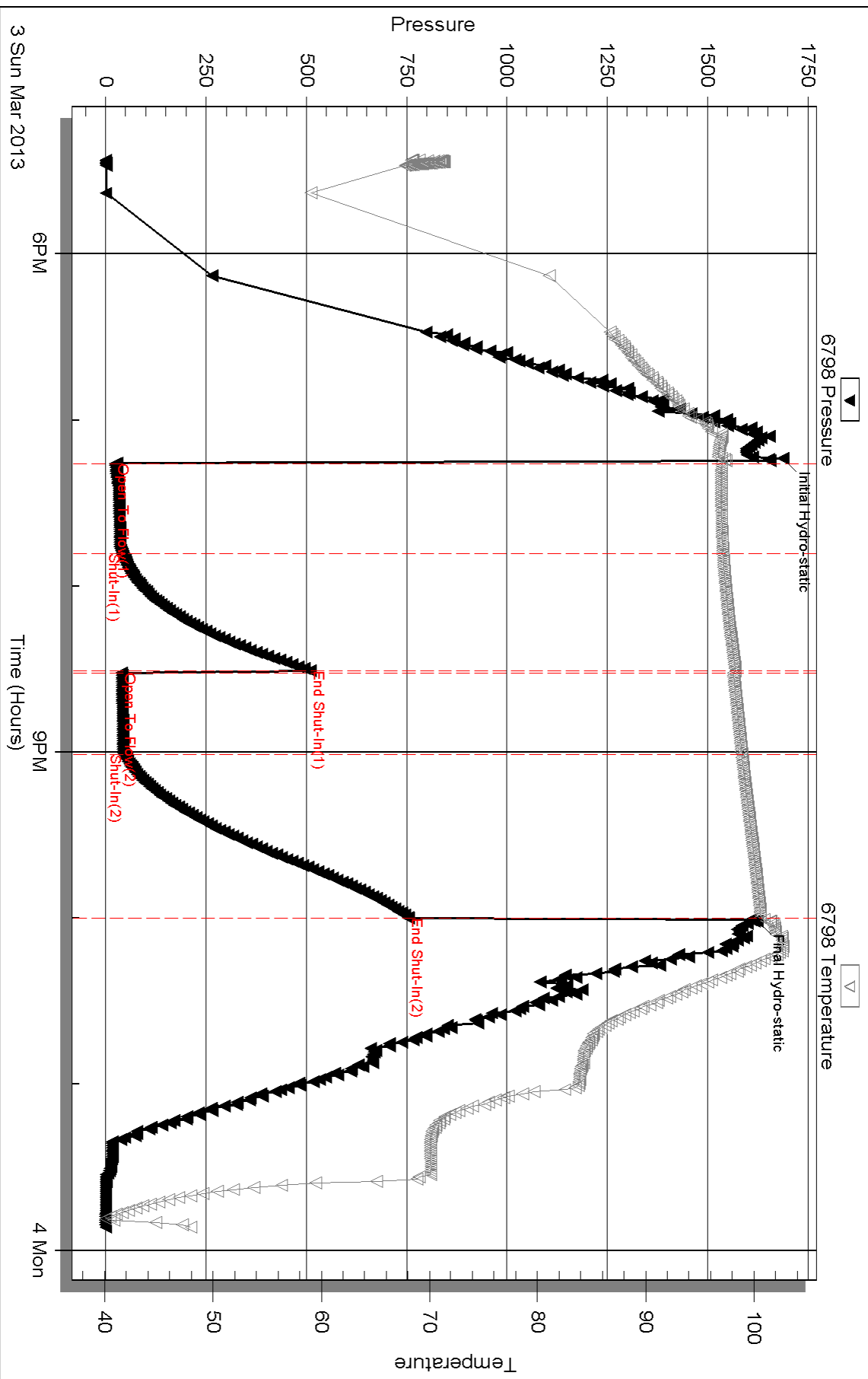
Inside

L B Exploration

Jezeq #4

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50896

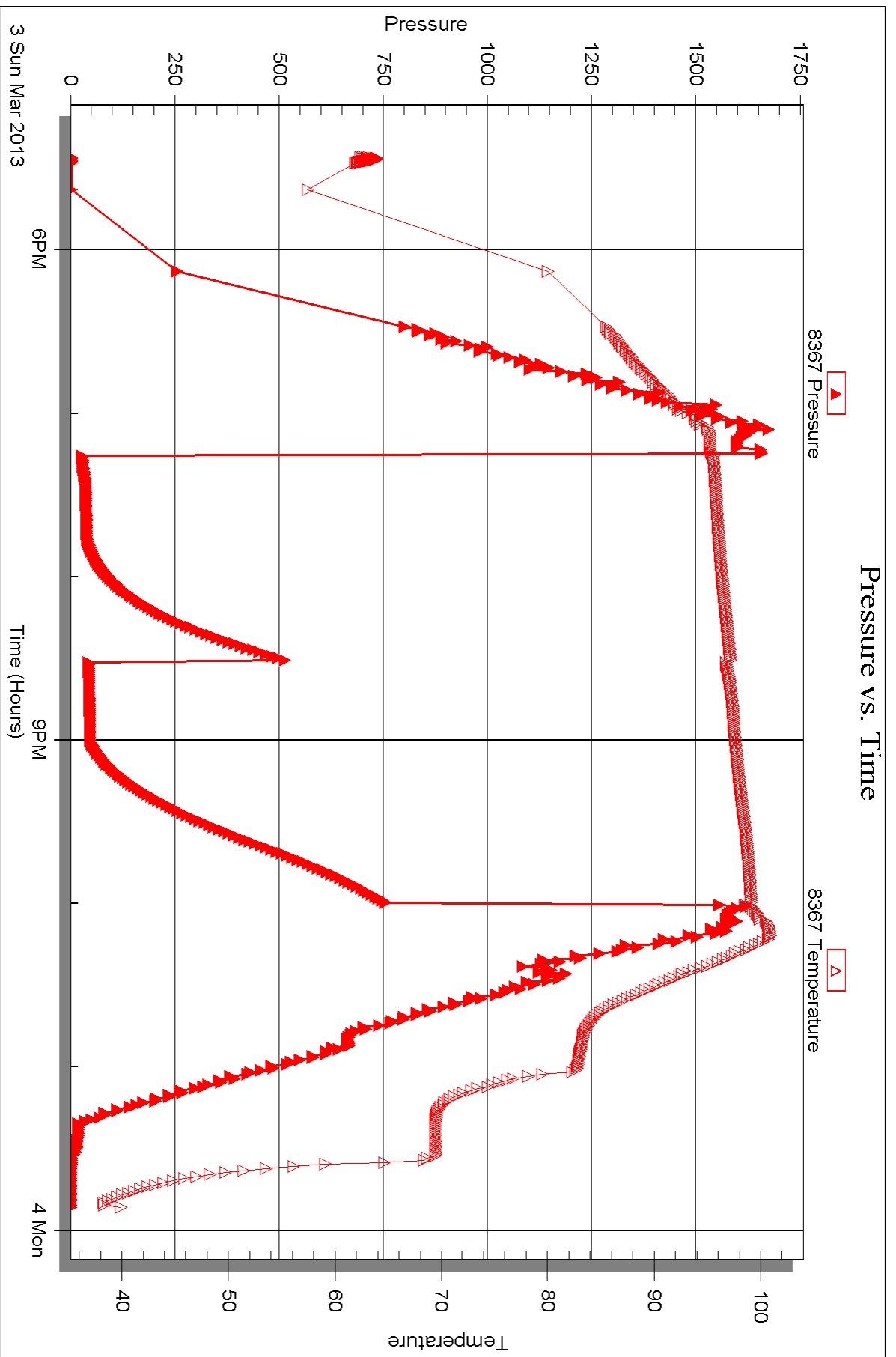
Printed: 2013.03.08 @ 14:16:29

Serial #: 8367

Outside L B Exploration

Jezeq #4

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

Jezek #4

21-16s-10w Ellsworth,KS

Start Date: 2013.03.04 @ 06:57:19

End Date: 2013.03.04 @ 12:39:49

Job Ticket #: 50897 DST #: 5

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

Printed: 2013.03.08 @ 14:15:55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50897

DST#: 5

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 06:57:19

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:49

Time Test Ended: 12:39:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 3291.00 ft (KB) To 3358.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3358.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 66.20 psig @ 3292.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.04

End Date:

2013.03.04

Last Calib.:

2013.03.04

Start Time: 06:57:20

End Time:

12:39:49

Time On Btm:

2013.03.04 @ 08:49:49

Time Off Btm:

2013.03.04 @ 10:50:49

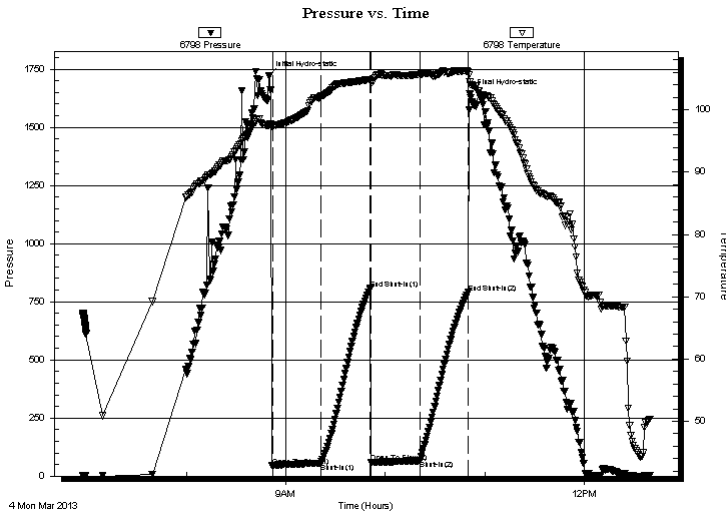
TEST COMMENT: IF: Weak 1" Blow , Died Off to 1/2"

IS: No Blow Back

FF: Weak Surface Blow

FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1720.72	97.52	Initial Hydro-static
2	43.39	97.51	Open To Flow (1)
31	56.69	102.06	Shut-In(1)
61	806.61	104.89	End Shut-In(1)
62	59.66	104.44	Open To Flow (2)
91	66.20	105.70	Shut-In(2)
120	789.62	106.21	End Shut-In(2)
121	1643.21	104.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	WCM 10%W 90%M	0.77

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezek #4

Job Ticket: 50897

DST#: 5

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 06:57:19

Tool Information

Drill Pipe:	Length: 3284.00 ft	Diameter: 3.80 inches	Volume: 46.07 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 46.07 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3291.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	87.00 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			3276.00	
Hydraulic tool	5.00			3281.00	
Packer	5.00			3286.00	20.00 Bottom Of Top Packer
Packer	5.00			3291.00	
Stubb	1.00			3292.00	
Recorder	0.00	6798	Inside	3292.00	
Recorder	0.00	8367	Outside	3292.00	
Perforations	15.00			3307.00	
Change Over Sub	1.00			3308.00	
Drill Pipe	32.00			3340.00	
Change Over Sub	1.00			3341.00	
Perforations	14.00			3355.00	
Bullnose	3.00			3358.00	67.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50897

DST#: 5

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 06:57:19

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
55.00	WCM 10%W 90%M	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .25 @ 55 degrees

Serial #: 6798

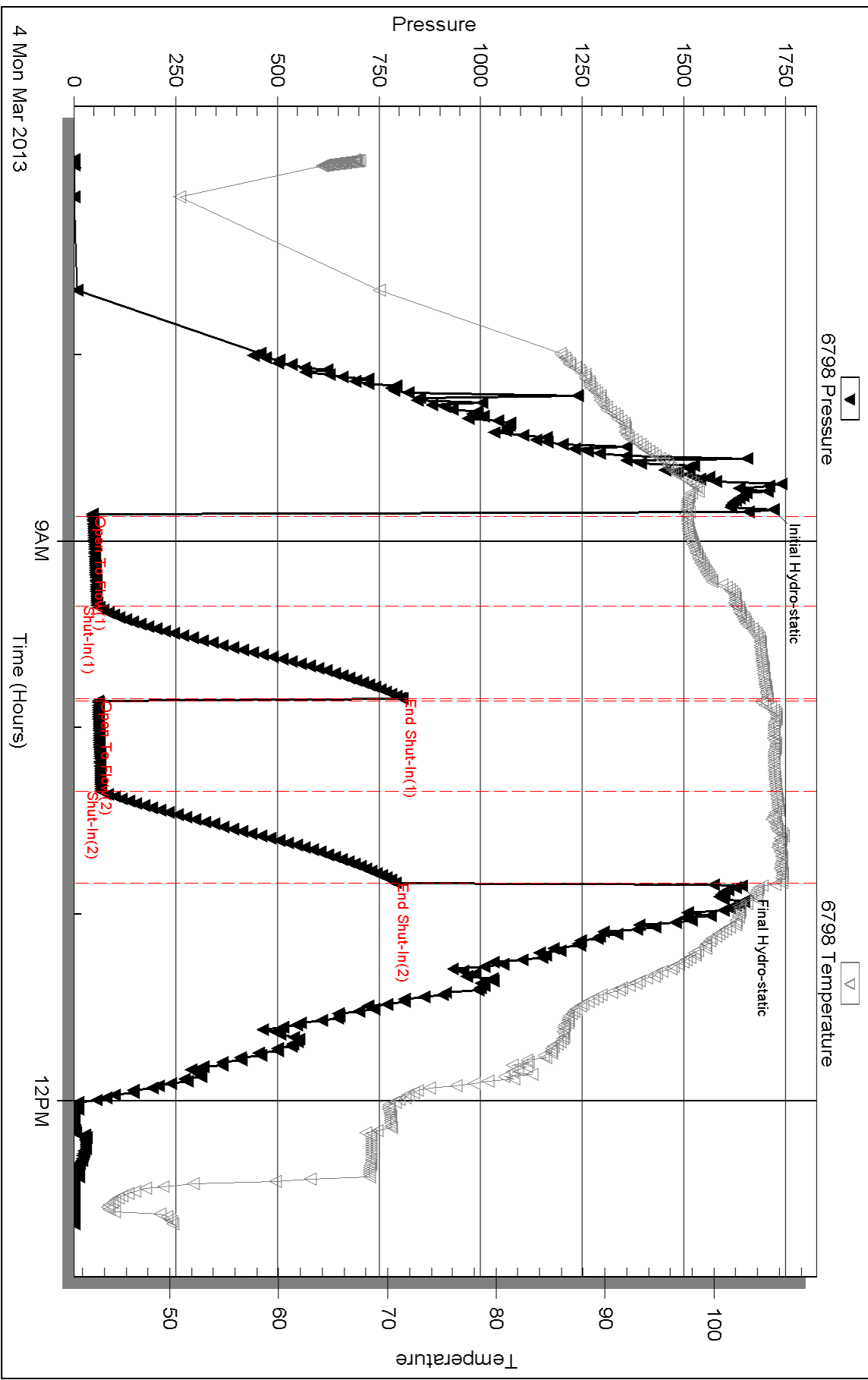
Inside

L B Exploration

Jezek #4

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50897

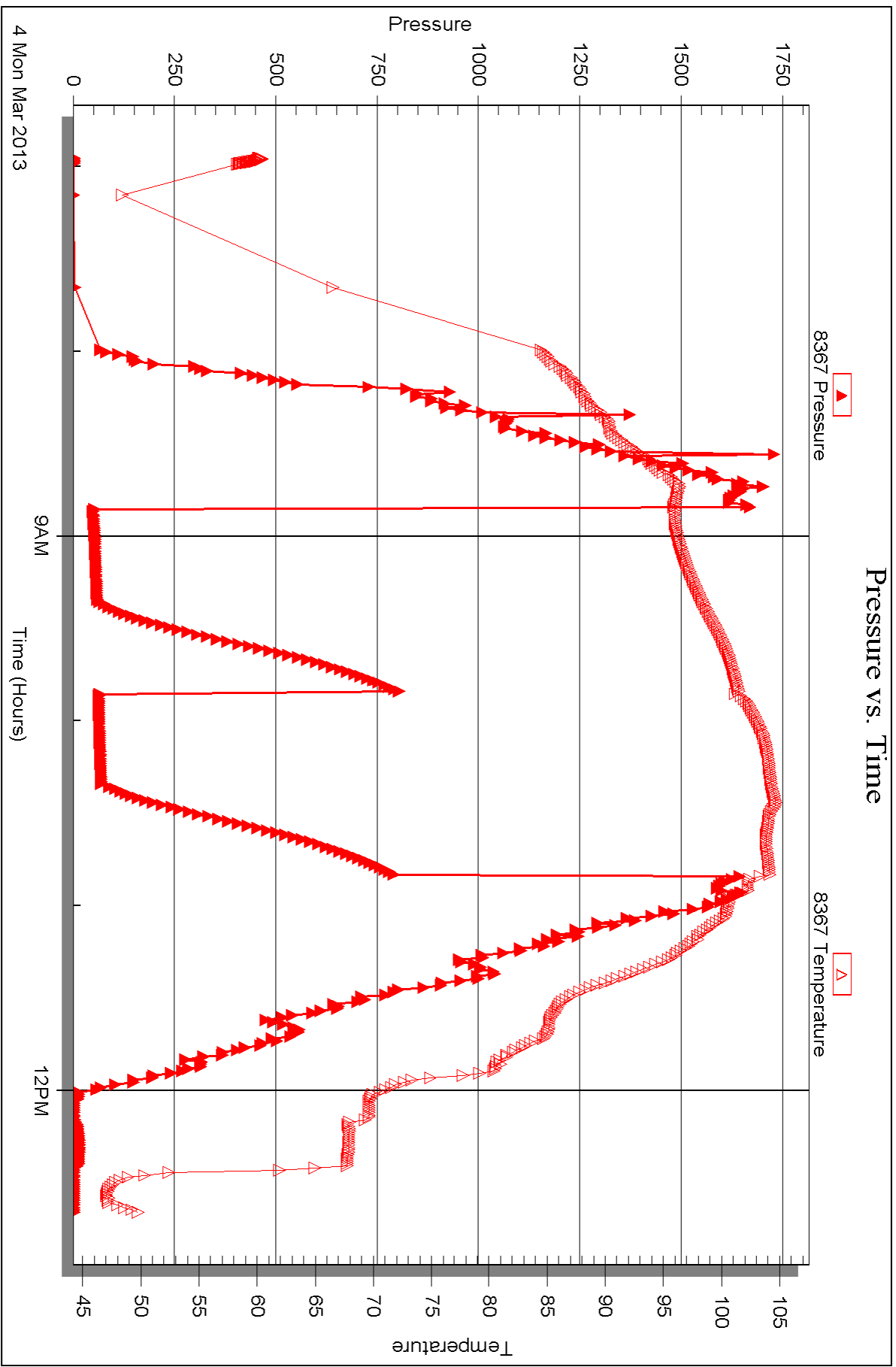
Printed: 2013.03.08 @ 14:15:58

Serial #: 8367

Outside L B Exploration

Jezek #4

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd
Holyrood, KS 67450

ATTN: Steve Peterman

Jezek #4

21-16s-10w Ellsworth,KS

Start Date: 2013.03.04 @ 18:06:46

End Date: 2013.03.04 @ 23:44:01

Job Ticket #: 50898 DST #: 6

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

Printed: 2013.03.08 @ 14:15:20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50898

DST#: 6

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 18:06:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:02:46

Time Test Ended: 23:44:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 3351.00 ft (KB) To 3361.00 ft (KB) (TVD)

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3361.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 42.77 psig @ 3352.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.04

End Date:

2013.03.04

Last Calib.:

2013.03.04

Start Time: 18:06:47

End Time:

23:44:01

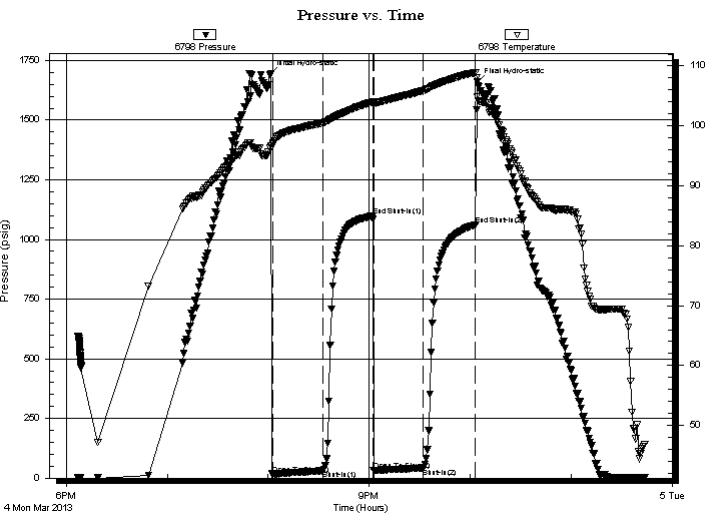
Time On Btm:

2013.03.04 @ 20:00:46

Time Off Btm:

2013.03.04 @ 22:04:01

TEST COMMENT: IF: Weak 1/2" Blow
IS: No Blow Back
FF: Weak Surface Blow
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1690.99	96.33	Initial Hydro-static
2	16.00	97.02	Open To Flow (1)
32	31.19	100.51	Shut-In(1)
62	1098.02	104.04	End Shut-In(1)
62	33.86	103.73	Open To Flow (2)
92	42.77	105.90	Shut-In(2)
123	1061.78	108.94	End Shut-In(2)
124	1659.03	104.88	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
59.00	OWCM 5%O 15%W 80%M	0.83
1.00	Oil	0.01

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezeq #4

Job Ticket: 50898

DST#: 6

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 18:06:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:02:46

Time Test Ended: 23:44:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: **3351.00 ft (KB) To 3361.00 ft (KB) (TVD)**

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3361.00 ft (KB) (TVD)

1860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 15.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 3352.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.04

End Date: 2013.03.04

Last Calib.: 2013.03.04

Start Time: 18:06:48

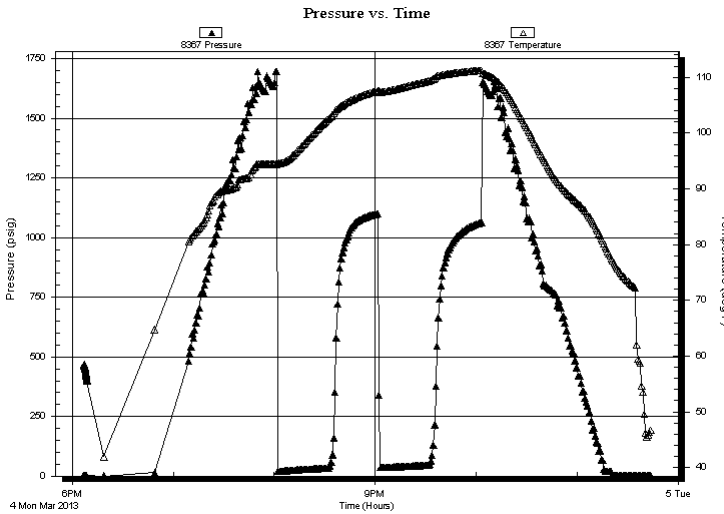
End Time: 23:43:47

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak 1/2" Blow
IS: No Blow Back
FF: Weak Surface Blow
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)

Pressure (psig)

Temp (deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
59.00	OWCM 5%O 15%W 80%M	0.83
1.00	Oil	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

L B Exploration

21-16s-10w Ellsworth,KS

2135 2nd Rd
Holyrood, KS 67450

Jezek #4

Job Ticket: 50898

DST#: 6

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 18:06:46

Tool Information

Drill Pipe:	Length: 3346.00 ft	Diameter: 3.80 inches	Volume: 46.94 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.94 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3351.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 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			3336.00	
Hydraulic tool	5.00			3341.00	
Packer	5.00			3346.00	20.00 Bottom Of Top Packer
Packer	5.00			3351.00	
Stubb	1.00			3352.00	
Recorder	0.00	6798	Inside	3352.00	
Recorder	0.00	8367	Outside	3352.00	
Perforations	6.00			3358.00	
Bullnose	3.00			3361.00	10.00 Bottom Packers & Anchor
Total Tool Length:	30.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

L B Exploration

21-16s-10w Ellsworth, KS

2135 2nd Rd
Holyrood, KS 67450

Jezek #4

Job Ticket: 50898

DST#: 6

ATTN: Steve Peterman

Test Start: 2013.03.04 @ 18:06:46

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:

20000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
59.00	OWCM 5%O 15%W 80%M	0.828
1.00	Oil	0.014

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .5 @ 48 degrees

Serial #: 6798

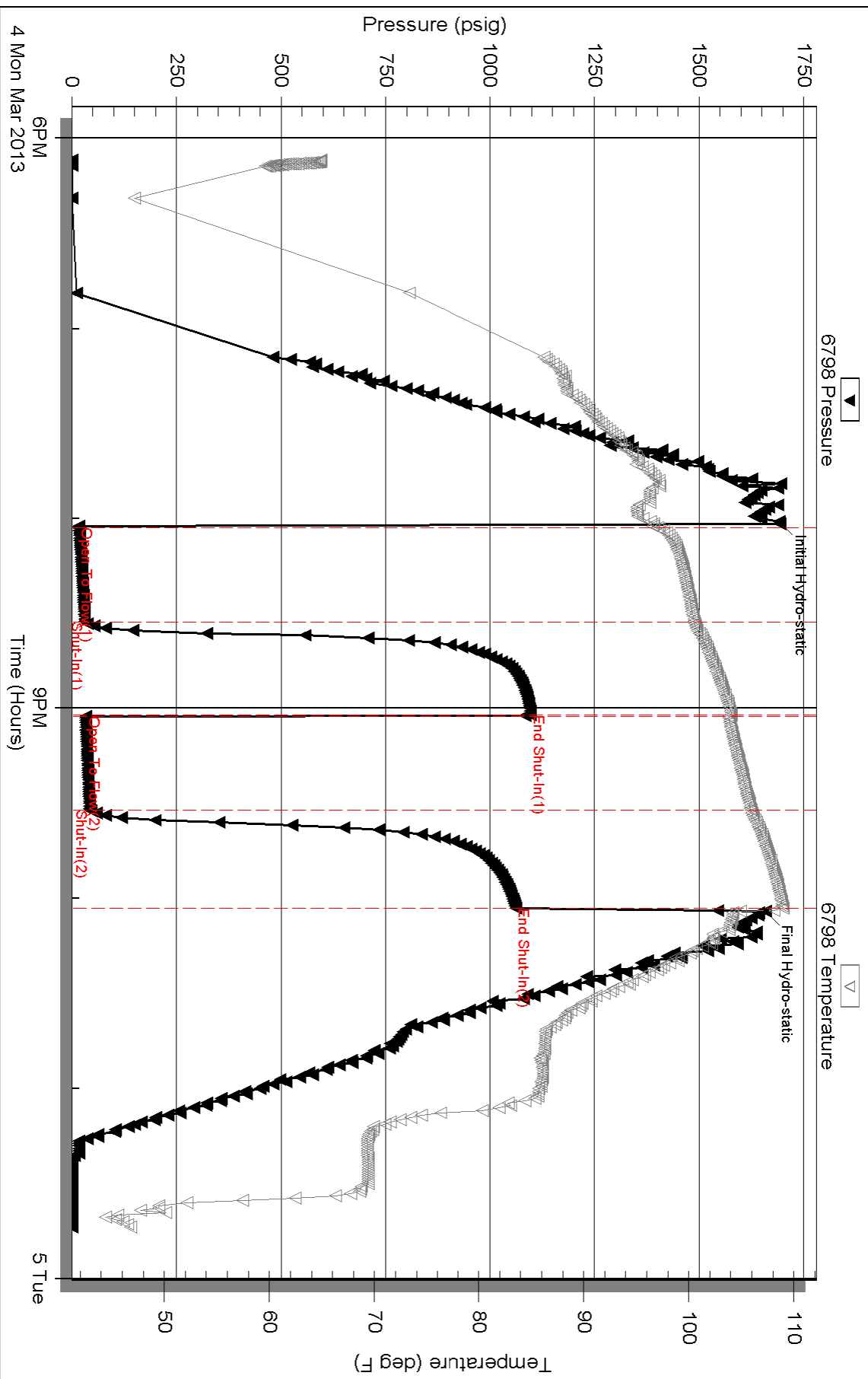
Inside

L B Exploration

Jezeq #4

DST Test Number: 6

Pressure vs. Time

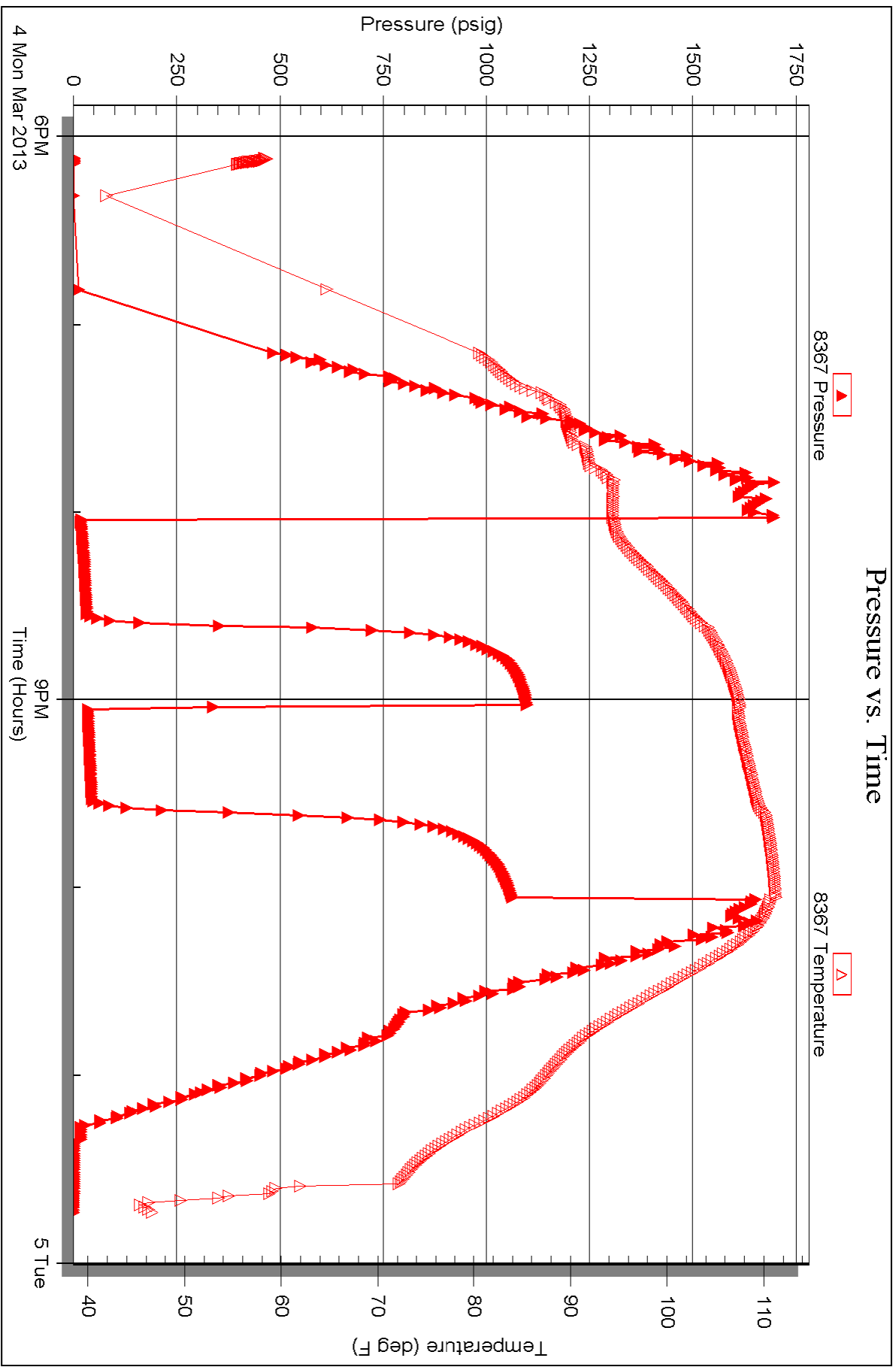


Serial #: 8367

Outside L B Exploration

Jezek #4

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50893

4/10

Well Name & No. Jezeck 4 Test No. 1 Date 03/02/13
 Company L B Exploration Elevation 1872 KB 1860 GL
 Address 2135 2nd Rd Holyrood, KS 67450
 Co. Rep / Geo. Steve Peterman Rig Ninnescah 1
 Location: Sec. 21 Twp. 16S Rge. 10W Co. Ellsworth State KS

Interval Tested 3331 - 3346 Zone Tested Arbuckle
 Anchor Length 15 Drill Pipe Run 3314 Mud Wt. 9
 Top Packer Depth 3326 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3331 Wt. Pipe Run 0 WL 8.2
 Total Depth 3346 Chlorides 3000 ppm System LCM 1 1/2
 Blow Description Packer Failure, Tried to reset, Failed a second time

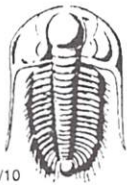
Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>Mud</u>				

Rec Total 180 BHT 108 Gravity NIC API RW NIC@NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic 1675 Test 950 T-On Location 16:00
 (B) First Initial Flow N/A Jars _____ T-Started 16:51
 (C) First Final Flow N/A Safety Joint _____ T-Open 19:08
 (D) Initial Shut-In N/A Circ Sub _____ T-Pulled 19:12
 (E) Second Initial Flow N/A Hourly Standby _____ T-Out 21:40
 (F) Second Final Flow N/A Mileage 150 232.50 Comments _____
 (G) Final Shut-In N/A Sampler _____
 (H) Final Hydrostatic 1639 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open N/A Extra Recorder _____ Sub Total 0
 Initial Shut-In N/A Day Standby _____ Total 1182.50
 Final Flow N/A Accessibility _____ MP/DST Disc't _____
 Final Shut-In N/A Sub Total 1182.50

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **50894**

4/10

Well Name & No. JezeK 4 Test No. 2 Date 03/03/13
 Company LB Exploration Elevation 1872 KB 1860 GL
 Address 2135 2nd Rd. Holyrood, KS 67450
 Co. Rep / Geo. Steve Peterman Rig Ninnescah 1
 Location: Sec. 21 Twp. 16S Rge. 10W Co. Ellsworth State KS

Interval Tested 3329 - 3346 Zone Tested Arbuckle
 Anchor Length 17 Drill Pipe Run 3314 Mud Wt. 9.0
 Top Packer Depth 3324 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3329 Wt. Pipe Run 0 WL 8.2
 Total Depth 3346 Chlorides 3000 ppm System LCM 1 1/2
 Blow Description Packer Failed, Tried to RESET, Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Mud</u>				

Rec Total 120 BHT 104 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic 1703 Test 950 T-On Location 02:00
 (B) First Initial Flow N/A Jars T-Started 02:41
 (C) First Final Flow N/A Safety Joint T-Open 04:37
 (D) Initial Shut-In N/A Circ Sub T-Pulled 04:42
 (E) Second Initial Flow N/A Hourly Standby T-Out 06:23
 (F) Second Final Flow N/A Mileage 150 232.50 Comments _____
 (G) Final Shut-In N/A Sampler _____
 (H) Final Hydrostatic 1633 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1432.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1432.50

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50895

4/10

Well Name & No. Jezeck 4 Test No. 3 Date 03/03/13
 Company LB Exploration Elevation 1872 KB 1860 GL
 Address 2135 2nd Rd Holyroad, KS 67450
 Co. Rep / Geo. Steve Peterman Rig Minnesota 1
 Location: Sec. 21 Twp. 16S Rge. 10W Co. Ellsworth State KS

Interval Tested 3291 - 3346 Zone Tested Arbuckle
 Anchor Length 55 Drill Pipe Run 3284 Mud Wt. 9.0
 Top Packer Depth 3286 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3291 Wt. Pipe Run 0 WL 8.2
 Total Depth 3346 Chlorides 3000 ppm System LCM 1 1/2

Blow Description IF: weak 1/2 inch Blow, Died off to Surface Blow
ISI: NO Blow Back
FF: weak Surface Blow
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>				

Rec Total 30 BHT 105 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic 1654 Test 1150 T-On Location 06:30
 (B) First Initial Flow 27 Jars _____ T-Started 06:43
 (C) First Final Flow 29 Safety Joint _____ T-Open 08:31
 (D) Initial Shut-In 925 Circ Sub _____ T-Pulled 10:11
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 12:01
 (F) Second Final Flow 34 Mileage _____
 (G) Final Shut-In 912 Sampler _____
 (H) Final Hydrostatic 1623 Straddle _____

Initial Open 20 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 20 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Sub Total 1150 Accessibility _____
 Total 1150 Ruined Shale Packer _____
 MP/DST Disc't _____ Ruined Packer _____
 Sub Total 1150 Extra Copies _____
 Sub Total 0
 Total 1150

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50896

4/10

Well Name & No. Jezeck 4 Test No. 4 Date 03/03/13
 Company LB Exploration Elevation 1875 KB 1860 GL
 Address 2135 2nd Rd Holyrood, KS 67450
 Co. Rep / Geo. Steve Peterman Rig Ninnescah 101
 Location: Sec. 21 Twp. 16S Rge. 10W Co. Ellsworth State _____

Interval Tested 3291 - 3350 Zone Tested Arbuckle
 Anchor Length 59 Drill Pipe Run 3284 Mud Wt. 9.3
 Top Packer Depth 3286 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3291 Wt. Pipe Run 0 WL 8.8
 Total Depth 3350 Chlorides 4000 ppm System LCM 1 1/2

Blow Description IF: 10 inch Blow in 5 minutes, Died off to 1 1/2 inch in 30 minutes
ISF: NO Blow Back

FF: weak 1/4 inch Blow, Died off to surface Blow

FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Mud</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 45 BHT 101 Gravity NIC API RW NIC @ NE° F Chlorides NIC ppm

- (A) Initial Hydrostatic 1688
- (B) First Initial Flow 24
- (C) First Final Flow 41
- (D) Initial Shut-In 510
- (E) Second Initial Flow 40
- (F) Second Final Flow 46 ~~48~~
- (G) Final Shut-In 755
- (H) Final Hydrostatic 1625

- Initial Open 30
- Initial Shut-In 45
- Final Flow 30
- Final Shut-In 60

- Test 1150
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage (150) 232.50
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1382.50

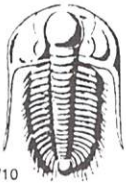
- T-On Location 16:45
- T-Started 17:25
- T-Open 19:15
- T-Pulled 21:59
- T-Out 23:51

- Comments _____
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total 0
- Total 1382.50
- MP/DST Disc't _____

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50897

4/10

Well Name & No. Jezeq 4 Test No. 5 Date 03/04/13
 Company LB Exploration Elevation 1875 KB 1860 GL
 Address 2135 2nd Rd Holyrood, KS 67450
 Co. Rep / Geo. Steve Peterman Rig Ninnescah 101
 Location: Sec. 21 Twp. 11S Rge. 10W Co. Ellsworth State KS

Interval Tested 3291 - 3358 Zone Tested Arbuckle
 Anchor Length 67 Drill Pipe Run 3284 Mud Wt. 9.3
 Top Packer Depth 3286 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3291 Wt. Pipe Run 0 WL 8.8
 Total Depth 3358 Chlorides 4000 ppm System LCM 1 1/2

Blow Description IFI: weak 1 inch blow, died off to 1/2 inch
ISI: NO BLOW BACK

FFI: weak surface blow

FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>55</u>	<u>WCM</u>		<u>10</u>	<u>90</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 55 BHT 104 Gravity N/C API RW .25 @ 55 °F Chlorides 38000 ppm

(A) Initial Hydrostatic 1721 Test 1150 T-On Location 06:30
 (B) First Initial Flow 43 Jars _____ T-Started 06:57
 (C) First Final Flow 57 Safety Joint _____ T-Open 08:51
 (D) Initial Shut-In 807 Circ Sub _____ T-Pulled 10:49
 (E) Second Initial Flow 60 Hourly Standby _____ T-Out 12:39
 (F) Second Final Flow 66 Mileage 150 232.50 Comments _____
 (G) Final Shut-In 790 Sampler _____
 (H) Final Hydrostatic 1643 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow _____ Day Standby _____ Total 1382.50
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1382.50

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50898

4/10

Well Name & No. JezeK 4 Test No. 6 Date 03/04/13
 Company LB Exploration Elevation 1975 KB 1860 GL
 Address 2135 2nd Rd Holyrood, KS 67450
 Co. Rep / Geo. Steve Peterman Rig Minnesota 101
 Location: Sec. 21 Twp. 11S Rge. 10W Co. Ellsworth State KS

Interval Tested 3351 - 3361 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run 3346 Mud Wt. 9.3
 Top Packer Depth 3346 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3351 Wt. Pipe Run 0 WL 8.8
 Total Depth 3361 Chlorides 5000 ppm System LCM 1 1/2

Blow Description IF: weak 1/2 inch Blow
IST: No Blow Back
FF: weak surface Blow
FST: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>oil</u>				
<u>59</u>	<u>OWCM</u>		<u>5</u>	<u>15</u>	<u>80</u>

Rec Total 60 BHT 109 Gravity NIC API RW .5 @ 48 °F Chlorides 20,000 ppm

(A) Initial Hydrostatic 1691 Test 1150 T-On Location 17:45
 (B) First Initial Flow 16 Jars _____ T-Started 18:06
 (C) First Final Flow 31 Safety Joint _____ T-Open 20:02
 (D) Initial Shut-In 1098 Circ Sub _____ T-Pulled 22:03
 (E) Second Initial Flow 34 Hourly Standby _____ T-Out 23:44
 (F) Second Final Flow 43 Mileage (150) 232.50 Comments _____
 (G) Final Shut-In 1062 Sampler _____
 (H) Final Hydrostatic 1659 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1382.50 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Approved By [Signature] Our Representative [Signature]

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