



DRILL STEM TEST REPORT

Prepared For: **LB Exploration, Inc.**

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

31-10s 30Sheridan KS

Beckman #1

Start Date: 2010.10.05 @ 17:45:00

End Date: 2010.10.06 @ 01:57:30

Job Ticket #: 39671 DST #: 1

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

Printed: 2013.12.11 @ 13:29:15

LB Exploration, Inc.
Beckman #1
31-10s 30Sheridan KS
DST # 1
Lansing B-C
2010.10.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 39671

DST#: 1

Test Start: 2010.10.05 @ 17:45:00

GENERAL INFORMATION:

Formation: **Lansing B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:31:00

Time Test Ended: 01:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 40

Interval: 4028.00 ft (KB) To 4080.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6771 Outside

Press@RunDepth: 57.63 psig @ 4029.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.05

End Date:

2010.10.06

Last Calib.: 2010.10.06

Start Time: 17:45:15

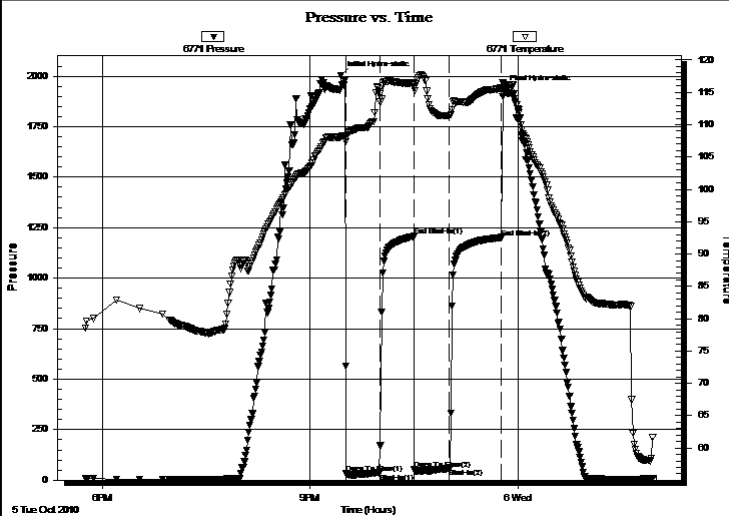
End Time:

01:57:30

Time On Btm: 2010.10.05 @ 21:26:45

Time Off Btm: 2010.10.05 @ 23:47:00

TEST COMMENT: IF: 2 inch blow .
IS: No return
FF: 3/4 inch blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2004.08	108.11	Initial Hydro-static
5	34.74	107.80	Open To Flow (1)
34	35.49	114.70	Shut-In(1)
63	1206.70	116.44	End Shut-In(1)
64	52.70	115.64	Open To Flow (2)
94	57.63	111.38	Shut-In(2)
139	1201.81	115.74	End Shut-In(2)
141	1933.23	116.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	w cm 25%w 75%m	0.42
70.00	m cw 15%m 85%w	0.98

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 39671

DST#: 1

ATTN: Scott Alberg

Test Start: 2010.10.05 @ 17:45:00

GENERAL INFORMATION:

Formation: **Lansing B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:31:00

Time Test Ended: 01:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 40

Interval: 4028.00 ft (KB) To 4080.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6667 Inside

Press@RunDepth: psig @ 4029.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.05

End Date: 2010.10.06

Last Calib.: 2010.10.06

Start Time: 17:45:15

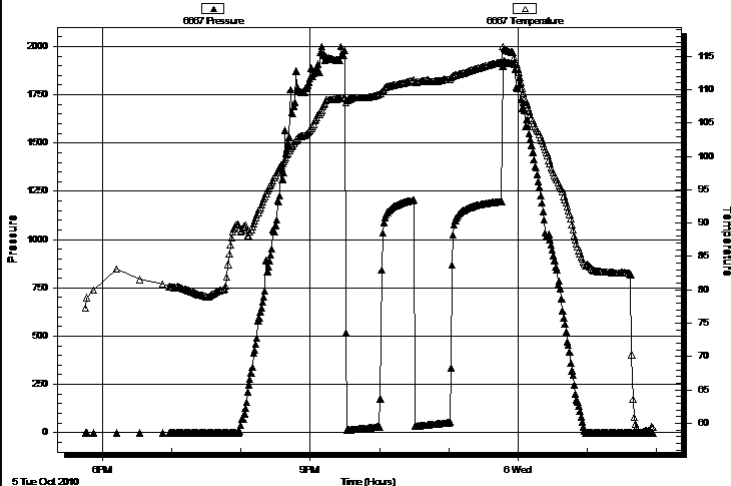
End Time: 01:57:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 2 inch blow .
IS: No return
FF: 3/4 inch blow .
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	w cm 25%w 75%m	0.42
70.00	mcw 15%m 85%w	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 39671

DST#: 1

ATTN: Scott Alberg

Test Start: 2010.10.05 @ 17:45:00

Tool Information

Drill Pipe:	Length: 4019.00 ft	Diameter: 3.80 inches	Volume: 56.38 bbl	Tool Weight: 1500.00 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: 55000.00 lb
			<u>Total Volume: 56.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4028.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4009.00	
Shut In Tool	5.00			4014.00	
Hydraulic tool	5.00			4019.00	
Packer	5.00			4024.00	20.00 Bottom Of Top Packer
Packer	4.00			4028.00	
Stubb	1.00			4029.00	
Recorder	0.00	6771	Outside	4029.00	
Recorder	0.00	6667	Inside	4029.00	
Perforations	12.00			4041.00	
Change Over Sub	1.00			4042.00	
Drill Pipe	32.00			4074.00	
Change Over Sub	1.00			4075.00	
Bullnose	5.00			4080.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 39671

DST#: 1

ATTN: Scott Alberg

Test Start: 2010.10.05 @ 17:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	w cm 25%w 75%m	0.421
70.00	mcw 15%m 85%w	0.982

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

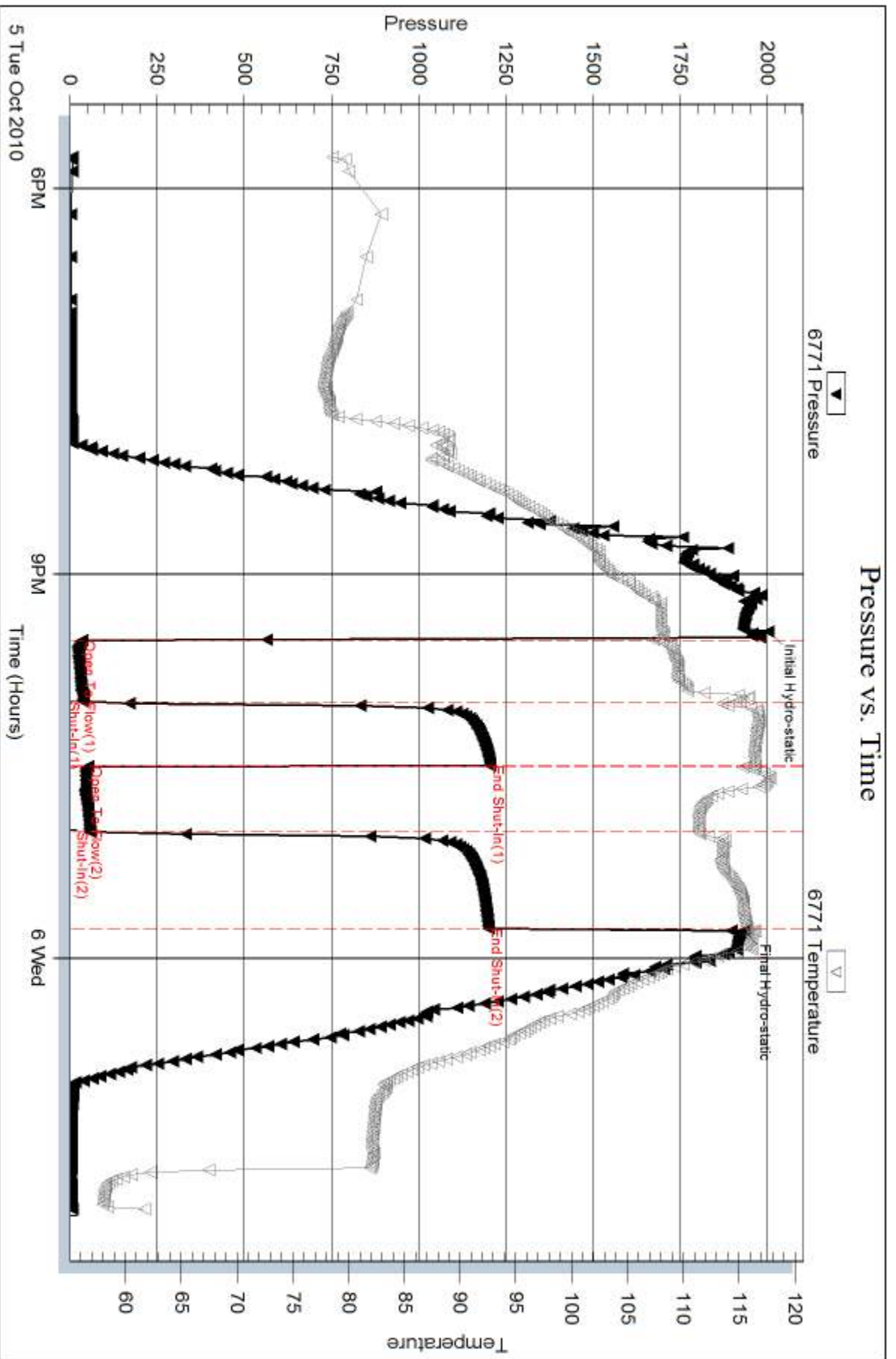
Num Gas Bombs: 0

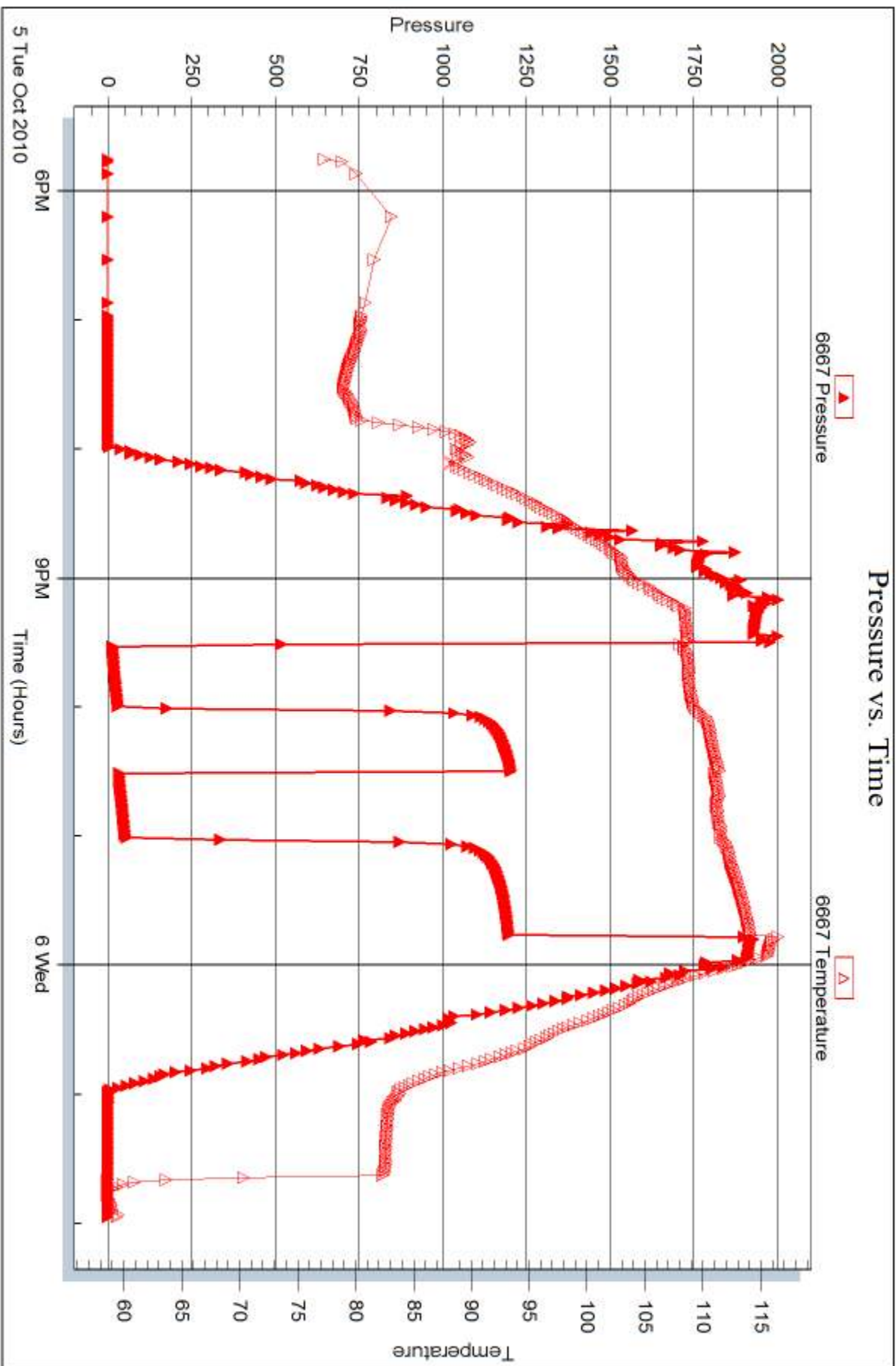
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .406 @ 64 degrees = 17000 ppm







DRILL STEM TEST REPORT

Prepared For: **LB Exploration, Inc.**

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

31-10s 30Sheridan KS

Beckman #1

Start Date: 2010.10.06 @ 10:03:00

End Date: 2010.10.06 @ 17:03:30

Job Ticket #: 039672 DST #: 2

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

Printed: 2013.12.11 @ 13:28:29

LB Exploration, Inc.
Beckman #1
31-10s 30Sheridan KS
DST # 2
Lansing "F"
2010.10.06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 039672

DST#: 2

Test Start: 2010.10.06 @ 10:03:00

GENERAL INFORMATION:

Formation: **Lansing "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:50:30

Time Test Ended: 17:03:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 40

Interval: 4080.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6771 Outside

Press@RunDepth: 29.40 psig @ 4081.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.06

End Date: 2010.10.06

Last Calib.: 2010.10.06

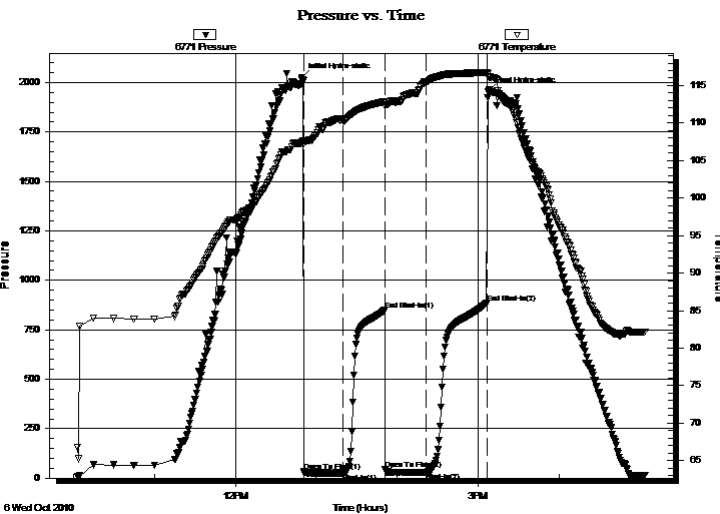
Start Time: 10:03:15

End Time: 17:03:30

Time On Btm: 2010.10.06 @ 12:49:15

Time Off Btm: 2010.10.06 @ 15:07:15

TEST COMMENT: IF: 3/4 inch blow .
IS: No return.
FF: 1/4 inch blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.12	107.36	Initial Hydro-static
2	32.06	107.22	Open To Flow (1)
31	25.60	110.36	Shut-In(1)
62	850.93	112.86	End Shut-In(1)
62	44.27	112.30	Open To Flow (2)
92	29.40	115.49	Shut-In(2)
137	883.45	116.76	End Shut-In(2)
138	1954.53	116.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	w cm w/oil scum 10%w 90%m	1.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 039672

DST#: 2

Test Start: 2010.10.06 @ 10:03:00

GENERAL INFORMATION:

Formation: **Lansing "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:50:30

Time Test Ended: 17:03:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 40

Interval: 4080.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6667 Inside

Press@RunDepth: psig @ 4081.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.06

End Date: 2010.10.06

Last Calib.: 2010.10.06

Start Time: 09:59:45

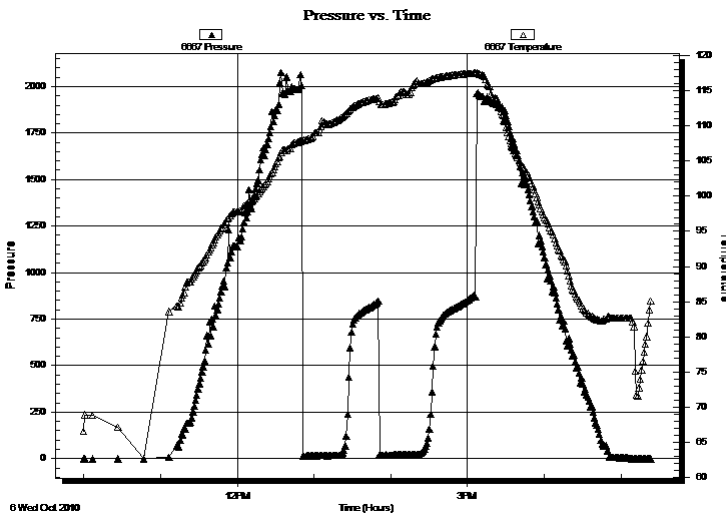
End Time: 17:24:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 3/4 inch blow.
IS: No return.
FF: 1/4 inch blow.
FS: No return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	w cm w/oil scum 10%w 90%m	1.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039672

DST#: 2

ATTN: Scott Alberg

Test Start: 2010.10.06 @ 10:03:00

Tool Information

Drill Pipe:	Length: 4082.50 ft	Diameter: 3.80 inches	Volume: 57.27 bbl	Tool Weight: 1500.00 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: 55000.00 lb
			<u>Total Volume: 57.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.50 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4080.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4061.00	
Shut In Tool	5.00			4066.00	
Hydraulic tool	5.00			4071.00	
Packer	5.00			4076.00	20.00 Bottom Of Top Packer
Packer	4.00			4080.00	
Stubb	1.00			4081.00	
Recorder	0.00	6771	Outside	4081.00	
Recorder	0.00	6667	Inside	4081.00	
Perforations	24.00			4105.00	
Bullnose	5.00			4110.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039672

DST#: 2

ATTN: Scott Alberg

Test Start: 2010.10.06 @ 10:03:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.14 in³
Resistivity: 0.00 ohm.m
Salinity: 1500.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	w cm w /oil scum 10%w 90%m	1.052

Total Length: 75.00 ft Total Volume: 1.052 bbl

Num Fluid Samples: 0

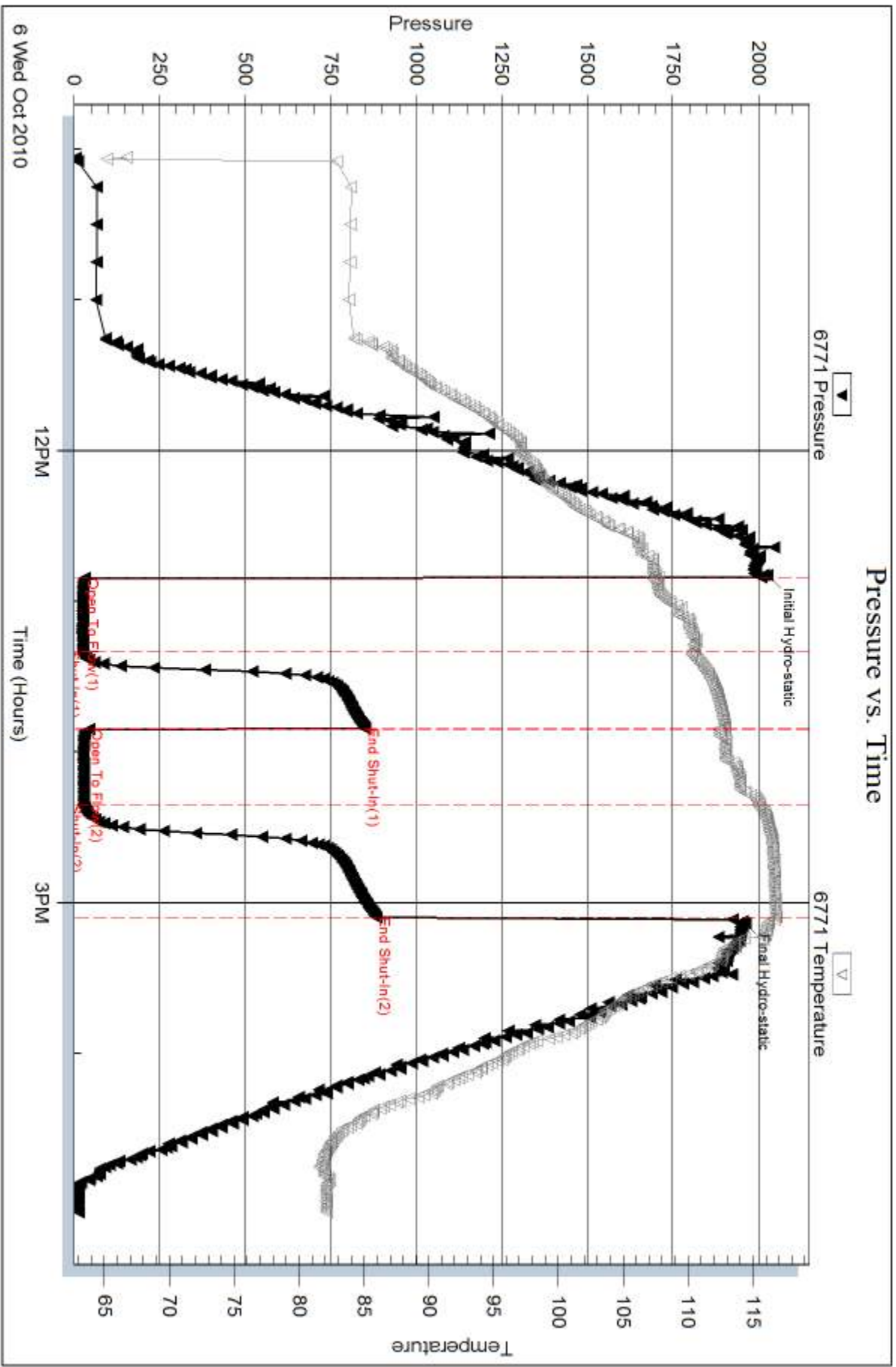
Num Gas Bombs: 0

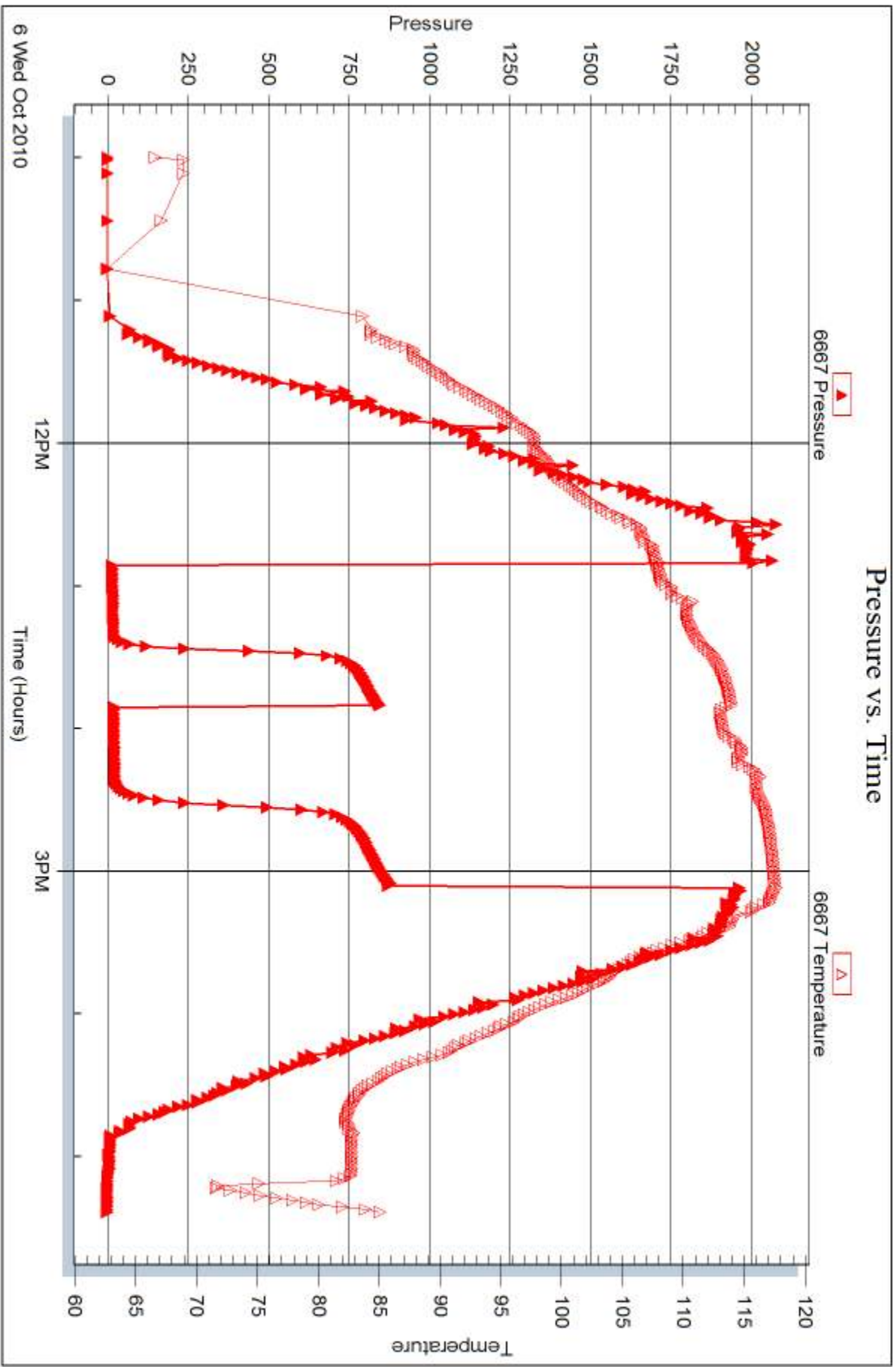
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration, Inc.**

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

31-10s 30Sheridan KS

Beckman #1

Start Date: 2010.10.07 @ 07:49:00

End Date: 2010.10.07 @ 15:12:00

Job Ticket #: 039673 DST #: 3

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

Printed: 2013.12.11 @ 13:28:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 039673

DST#: 3

Test Start: 2010.10.07 @ 07:49:00

GENERAL INFORMATION:

Formation: **Lansing H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:54:45

Time Test Ended: 15:12:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 40

Interval: 4137.00 ft (KB) To 4233.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4233.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6771 Outside

Press@RunDepth: 26.09 psig @ 4138.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.07

End Date:

2010.10.07

Last Calib.: 2010.10.07

Start Time: 07:49:15

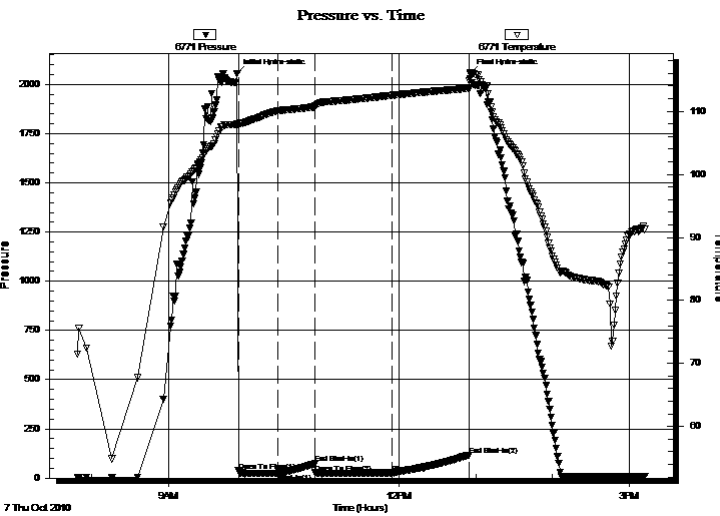
End Time:

15:12:00

Time On Btm: 2010.10.07 @ 09:53:45

Time Off Btm: 2010.10.07 @ 12:55:30

TEST COMMENT: IF: 1 1/2 inch blow .
IS: No return.
FF: 3 1/2 inches.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2054.99	108.02	Initial Hydro-static
1	37.00	107.68	Open To Flow (1)
32	24.91	110.06	Shut-In(1)
61	73.52	110.69	End Shut-In(1)
61	26.65	110.81	Open To Flow (2)
121	26.09	112.52	Shut-In(2)
181	117.57	113.64	End Shut-In(2)
182	2052.51	116.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud w/oils spots, show of free oil in to	0.28

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

LB Exploration, Inc.
 2135 2nd Rd.
 Hollyrod, Ks 67450
 ATTN: Scott Alberg

Beckman #1
31-10s 30Sheridan KS
 Job Ticket: 039673 **DST#: 3**
 Test Start: 2010.10.07 @ 07:49:00

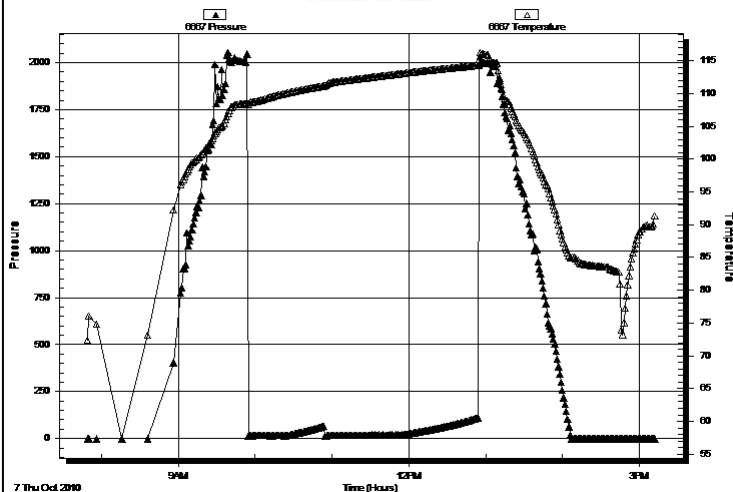
GENERAL INFORMATION:

Formation: **Lansing H,I,J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:54:45 Tester: Shane McBride
 Time Test Ended: 15:12:00 Unit No: 40
 Interval: **4137.00 ft (KB) To 4233.00 ft (KB) (TVD)** Reference Elevations: 2975.00 ft (KB)
 Total Depth: 4233.00 ft (KB) (TVD) 2968.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6667 Inside
 Press@RunDepth: psig @ 4138.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.10.07 End Date: 2010.10.07 Last Calib.: 2010.10.07
 Start Time: 07:49:15 End Time: 15:12:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1 1/2 inch blow .
 IS: No return.
 FF: 3 1/2 inches.
 FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud w/oils spots, show of free oil in to	0.28

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039673

DST#: 3

ATTN: Scott Alberg

Test Start: 2010.10.07 @ 07:49:00

Tool Information

Drill Pipe:	Length: 4145.00 ft	Diameter: 3.80 inches	Volume: 58.14 bbl	Tool Weight: 1500.00 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: 58000.00 lb
			<u>Total Volume: 58.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4137.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4118.00	
Shut In Tool	5.00			4123.00	
Hydraulic tool	5.00			4128.00	
Packer	5.00			4133.00	20.00 Bottom Of Top Packer
Packer	4.00			4137.00	
Stubb	1.00			4138.00	
Recorder	0.00	6771	Outside	4138.00	
Recorder	0.00	6667	Inside	4138.00	
Perforations	25.00			4163.00	
Change Over Sub	1.00			4164.00	
Drill Pipe	63.00			4227.00	
Change Over Sub	1.00			4228.00	
Bullnose	5.00			4233.00	96.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039673

DST#: 3

ATTN: Scott Alberg

Test Start: 2010.10.07 @ 07:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud w /oils spots, show of free oil in to	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

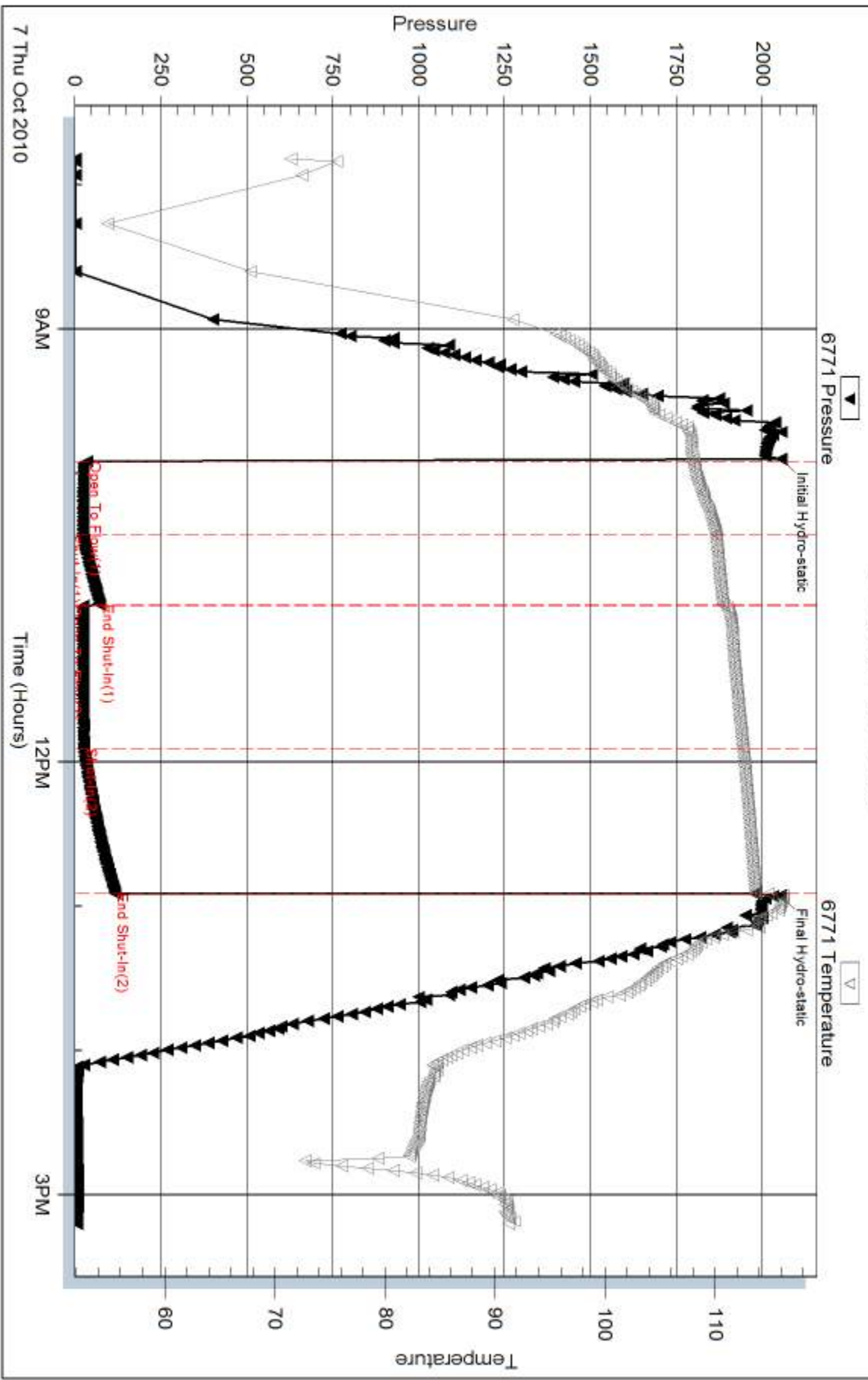
Serial #:

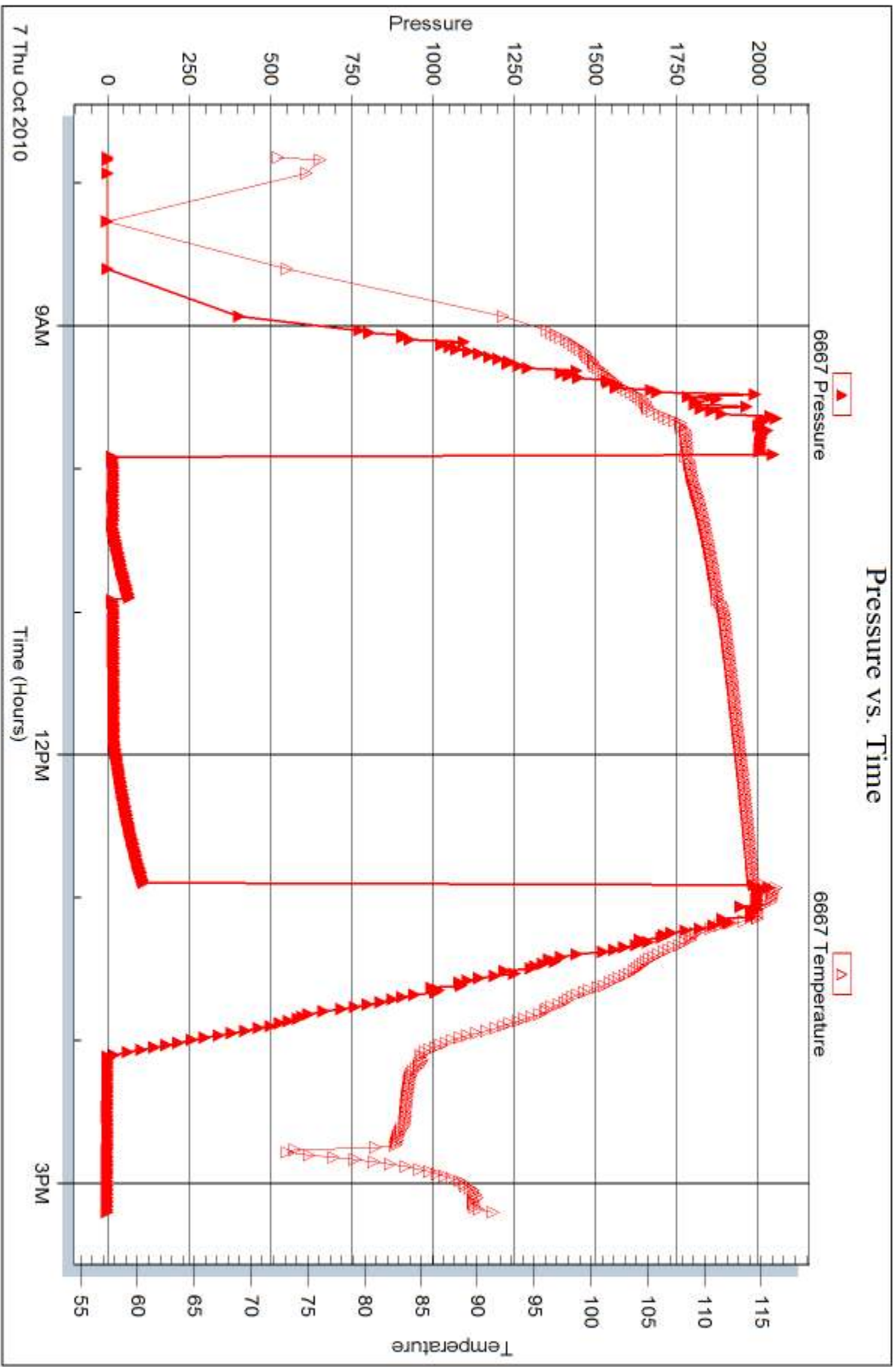
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **LB Exploration, Inc.**

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

31-10s 30Sheridan KS

Beckman #1

Start Date: 2010.10.08 @ 03:00:00

End Date: 2010.10.08 @ 10:53:45

Job Ticket #: 039674 DST #: 4

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

Printed: 2013.12.11 @ 13:27:34

LB Exploration, Inc.
Beckman #1
31-10s 30Sheridan KS
DST # 4
Lansing "K"
2010.10.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 039674

DST#: 4

Test Start: 2010.10.08 @ 03:00:00

GENERAL INFORMATION:

Formation: **Lansing "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:49:00

Time Test Ended: 10:53:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 40

Interval: 4222.00 ft (KB) To 4296.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6771 Outside

Press@RunDepth: 58.48 psig @ 4223.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.08 End Date: 2010.10.08

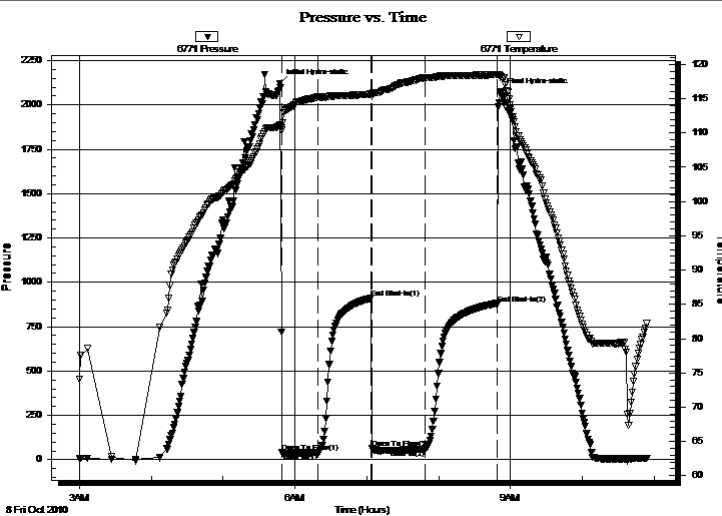
Last Calib.: 2010.10.08

Start Time: 03:00:15 End Time: 10:53:45

Time On Btm: 2010.10.08 @ 05:47:30

Time Off Btm: 2010.10.08 @ 08:51:15

TEST COMMENT: IF: 5 inches blow .
IS: No return.
FF 5 inches blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.71	111.16	Initial Hydro-static
2	41.24	110.74	Open To Flow (1)
32	40.94	115.25	Shut-In(1)
77	911.22	115.65	End Shut-In(1)
77	63.35	115.40	Open To Flow (2)
122	58.48	118.11	Shut-In(2)
182	881.07	118.50	End Shut-In(2)
184	2072.23	118.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	w cm 30w 70m	0.87
28.00	gocm 2g 3o 95m	0.39
0.00	122' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

LB Exploration, Inc.
 2135 2nd Rd.
 Hollyrood, Ks 67450
 ATTN: Scott Alberg

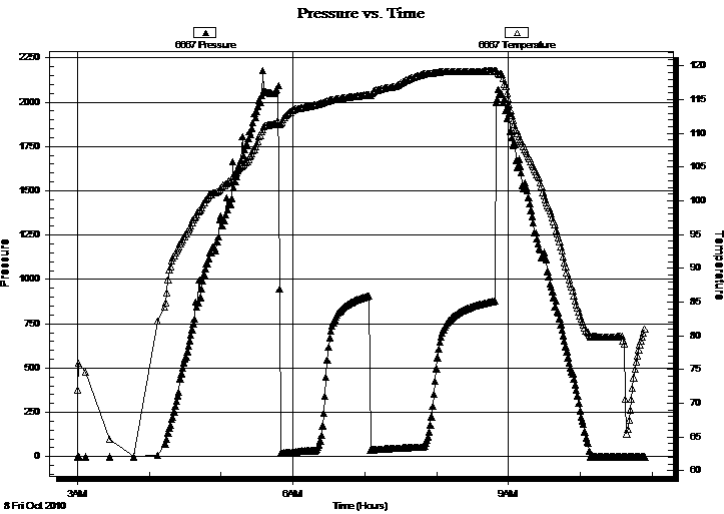
Beckman #1
31-10s 30Sheridan KS
 Job Ticket: 039674 **DST#: 4**
 Test Start: 2010.10.08 @ 03:00:00

GENERAL INFORMATION:

Formation: **Lansing "K"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 05:49:00 Tester: Shane McBride
 Time Test Ended: 10:53:45 Unit No: 40
Interval: 4222.00 ft (KB) To 4296.00 ft (KB) (TVD)
 Reference Elevations: 2975.00 ft (KB)
 Total Depth: 4080.00 ft (KB) (TVD) 2968.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6667 Inside
 Press@RunDepth: psig @ 4223.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.10.08 End Date: 2010.10.08 Last Calib.: 2010.10.08
 Start Time: 03:00:15 End Time: 10:54:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 5 inches blow .
 IS: No return.
 FF 5 inches blow .
 FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	w cm 30w 70m	0.87
28.00	gocm 2g 3o 95m	0.39
0.00	122' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039674

DST#: 4

ATTN: Scott Alberg

Test Start: 2010.10.08 @ 03:00:00

Tool Information

Drill Pipe:	Length: 4208.00 ft	Diameter: 3.80 inches	Volume: 59.03 bbl	Tool Weight: 1500.00 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: 56000.00 lb
			<u>Total Volume: 59.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4222.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	94.00 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			4203.00	
Shut In Tool	5.00			4208.00	
Hydraulic tool	5.00			4213.00	
Packer	5.00			4218.00	20.00 Bottom Of Top Packer
Packer	4.00			4222.00	
Stubb	1.00			4223.00	
Recorder	0.00	6771	Outside	4223.00	
Recorder	0.00	6667	Inside	4223.00	
Perforations	34.00			4257.00	
Change Over Sub	1.00			4258.00	
Drill Pipe	32.00			4290.00	
Change Over Sub	1.00			4291.00	
Bullnose	5.00			4296.00	74.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039674

DST#: 4

ATTN: Scott Alberg

Test Start: 2010.10.08 @ 03:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	w cm 30w 70m	0.870
28.00	gocm 2g 3o 95m	0.393
0.00	122' GIP	0.000

Total Length: 90.00 ft Total Volume: 1.263 bbl

Num Fluid Samples: 0

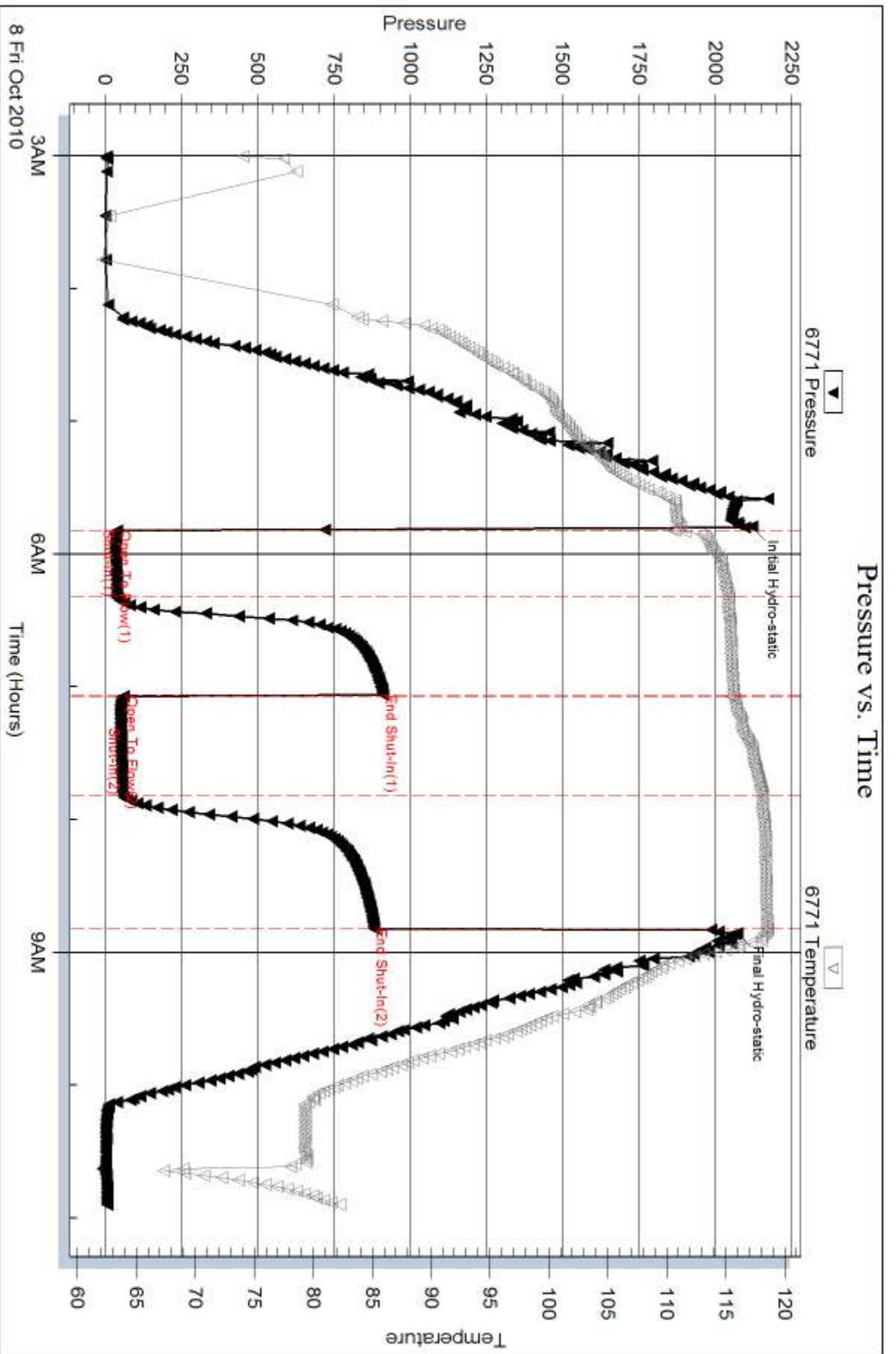
Num Gas Bombs: 0

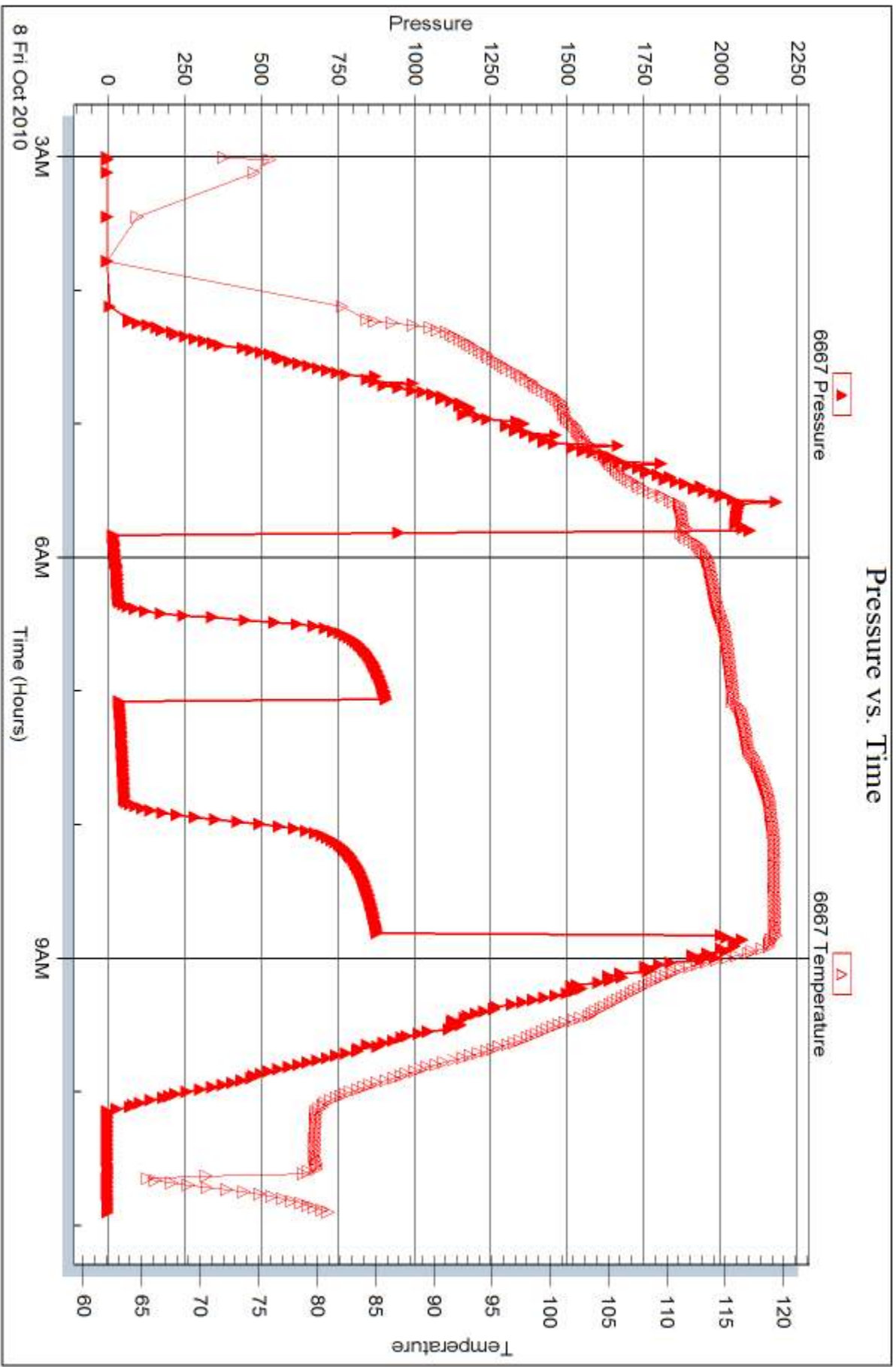
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .253 @ 83 = 22500 ppm







DRILL STEM TEST REPORT

Prepared For: **LB Exploration, Inc.**

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

31-10s 30Sheridan KS

Beckman #1

Start Date: 2010.10.09 @ 10:40:51

End Date: 2010.10.09 @ 18:30:06

Job Ticket #: 039675 DST #: 5

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

Printed: 2013.12.11 @ 13:26:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 039675

DST#: 5

Test Start: 2010.10.09 @ 10:40:51

GENERAL INFORMATION:

Formation: **Pawnee, Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:36

Time Test Ended: 18:30:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 40

Interval: 4392.00 ft (KB) To 4510.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6667 Inside

Press@RunDepth: 73.09 psig @ 4393.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.09

End Date: 2010.10.09

Last Calib.: 2010.10.09

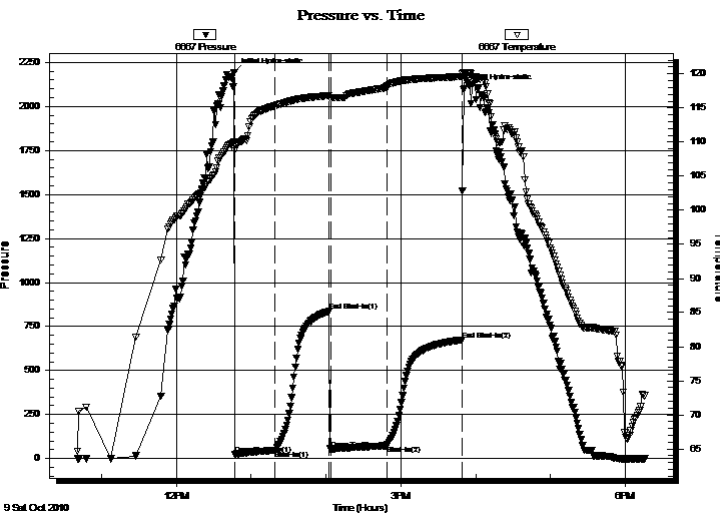
Start Time: 10:40:51

End Time: 18:16:06

Time On Btm: 2010.10.09 @ 12:46:21

Time Off Btm: 2010.10.09 @ 15:50:36

TEST COMMENT: B.O.B. in 12 min
No return
B.O.B. in 5 min.
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.39	110.01	Initial Hydro-static
1	24.92	108.73	Open To Flow (1)
33	47.34	115.32	Shut-In(1)
77	836.21	116.80	End Shut-In(1)
78	51.24	116.49	Open To Flow (2)
123	73.09	118.09	Shut-In(2)
183	674.90	119.62	End Shut-In(2)
185	2100.72	120.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	s g & o c m 2g 3o 95m	0.77
60.00	g o c m 20g 20o 60m	0.84
0.00	1205' gas in pipe	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

LB Exploration, Inc.

2135 2nd Rd.
Hollyrood, Ks 67450

ATTN: Scott Alberg

Beckman #1

31-10s 30Sheridan KS

Job Ticket: 039675

DST#: 5

Test Start: 2010.10.09 @ 10:40:51

GENERAL INFORMATION:

Formation: **Pawnee, Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:36

Time Test Ended: 18:30:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 40

Interval: 4392.00 ft (KB) To 4510.00 ft (KB) (TVD)

Reference Elevations: 2975.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

2968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6771 Outside

Press@RunDepth: psig @ 4393.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.09

End Date: 2010.10.09

Last Calib.: 2010.10.09

Start Time: 10:40:51

End Time: 18:16:06

Time On Btm:

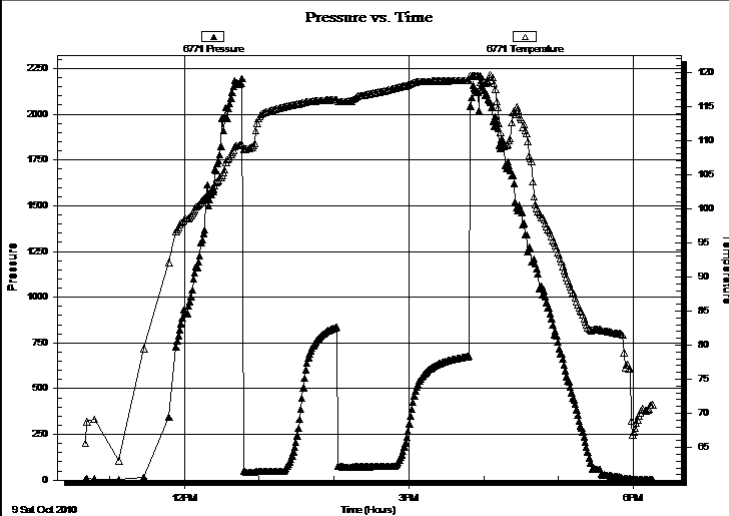
Time Off Btm:

TEST COMMENT: B.O.B. in 12 min

No return

B.O.B. in 5 min.

No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
55.00	s g & o c m 2g 3o 95m	0.77
60.00	g o c m 20g 20o 60m	0.84
0.00	1205' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039675

DST#: 5

ATTN: Scott Alberg

Test Start: 2010.10.09 @ 10:40:51

Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 3.80 inches	Volume: 61.65 bbl	Tool Weight: 1500.00 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: 61.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4392.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	118.00 ft			
Tool Length:	138.00 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			4373.00	
Shut In Tool	5.00			4378.00	
Hydraulic tool	5.00			4383.00	
Packer	5.00			4388.00	20.00 Bottom Of Top Packer
Packer	4.00			4392.00	
Stubb	1.00			4393.00	
Recorder	0.00	6771	Outside	4393.00	
Recorder	0.00	6667	Inside	4393.00	
Perforations	15.00			4408.00	
Change Over Sub	1.00			4409.00	
Drill Pipe	95.00			4504.00	
Change Over Sub	1.00			4505.00	
Bullnose	5.00			4510.00	118.00 Bottom Packers & Anchor

Total Tool Length: 138.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration, Inc.

Beckman #1

2135 2nd Rd.
Hollyrood, Ks 67450

31-10s 30Sheridan KS

Job Ticket: 039675

DST#: 5

ATTN: Scott Alberg

Test Start: 2010.10.09 @ 10:40:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	s g & o c m 2g 3o 95m	0.772
60.00	g o c m 20g 20o 60m	0.842
0.00	1205' gas in pipe	0.000

Total Length: 115.00 ft

Total Volume: 1.614 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

