



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172422
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1172422

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Beckman 1
Doc ID	1172422

All Electric Logs Run

Neutron Density
Micro
Borehole Compensated Sonic
Dual Induction

ALLIED CEMENTING CO., LLC. 035581

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Oakleys

DATE <u>10-11-10</u>	SEC. <u>31</u>	TWP. <u>10</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>4:00am</u>	JOB START <u>8:00am</u>	JOB FINISH <u>9:30am</u>
LEASE <u>Beckman</u>	WELL # <u>41</u>	LOCATION <u>Campus 1E-1N-14E</u>			COUNTY <u>Shedden</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>na win</u>			

CONTRACTOR American Eagle #2

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4730'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2540'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED 205 60/40 40/20 seal

114# Clossal

COMMON	<u>123</u>	@	<u>15⁴⁵</u>	<u>1900³⁵</u>
POZMIX	<u>82</u>	@	<u>8⁰⁰</u>	<u>656⁰⁰</u>
GEL	<u>7</u>	@	<u>20⁸⁰</u>	<u>145⁶⁰</u>
CHLORIDE		@		
ASC		@		
<u>Clossal</u>	<u>51#</u>	@	<u>2⁵⁰</u>	<u>127⁵⁰</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>214</u>	@	<u>2⁴⁰</u>	<u>513⁶⁰</u>
MILEAGE	<u>.1085 km</u>			<u>312⁰⁰</u>
	<u>minimum</u>			
TOTAL				<u>3655⁰⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

422 HELPER Wayne

BULK TRUCK

394 DRIVER Wilbur

BULK TRUCK

_____ DRIVER _____

REMARKS:

25 SKS @ 2540'

100 SKS @ 1650'

40 SKS @ 330'

10 SKS @ 40'

30 SKS RM

Job completed @ 8:15 AM

Thanks Fuzzy crew

SERVICE

DEPTH OF JOB	<u>2540'</u>		
PUMP TRUCK CHARGE			<u>1185⁰⁰</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>10</u>	@	<u>7⁰⁰</u>
MANIFOLD		@	
		@	
TOTAL			<u>1255⁰⁰</u>

CHARGE TO: LB Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-8 5/8 plug</u>	@	<u>40⁰⁰</u>
	@	
	@	
	@	
	@	
TOTAL		<u>40⁰⁰</u>

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE Todd E. Mann

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAY



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

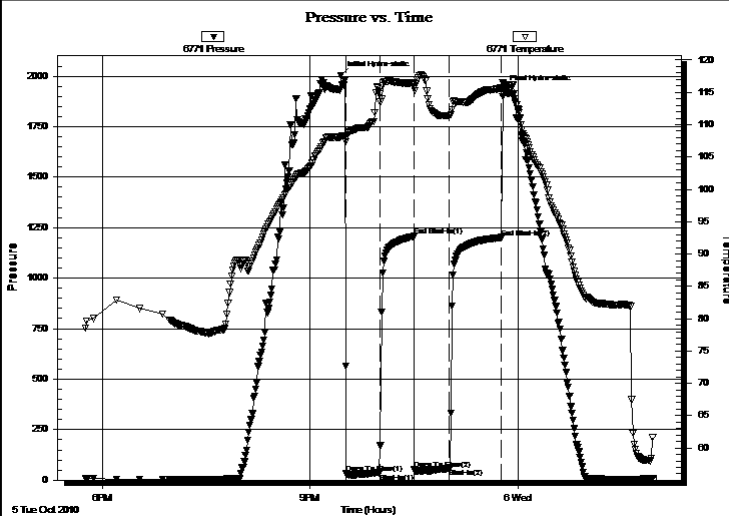
End Time:

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

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 bbbl
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

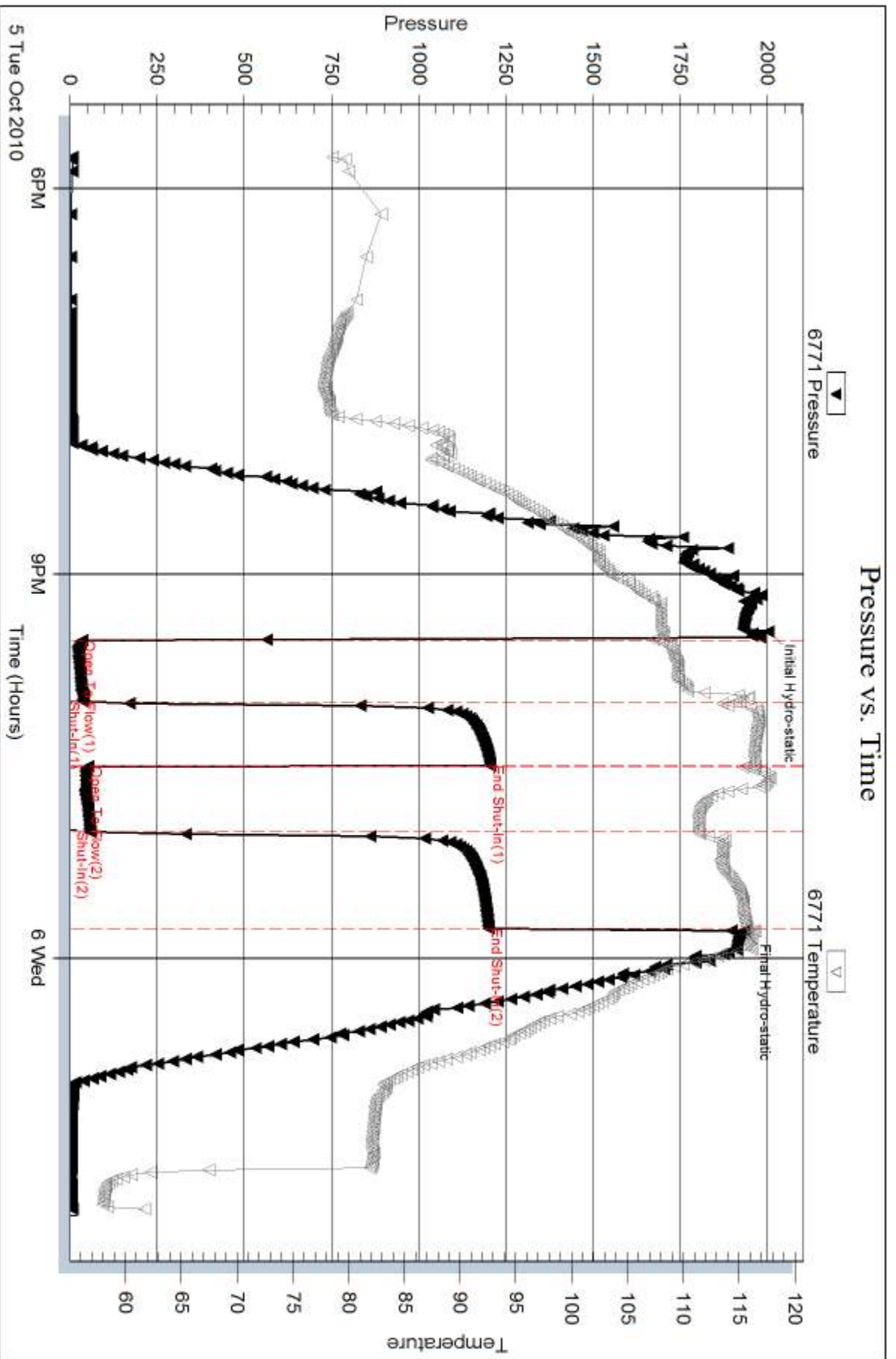
Num Gas Bombs: 0

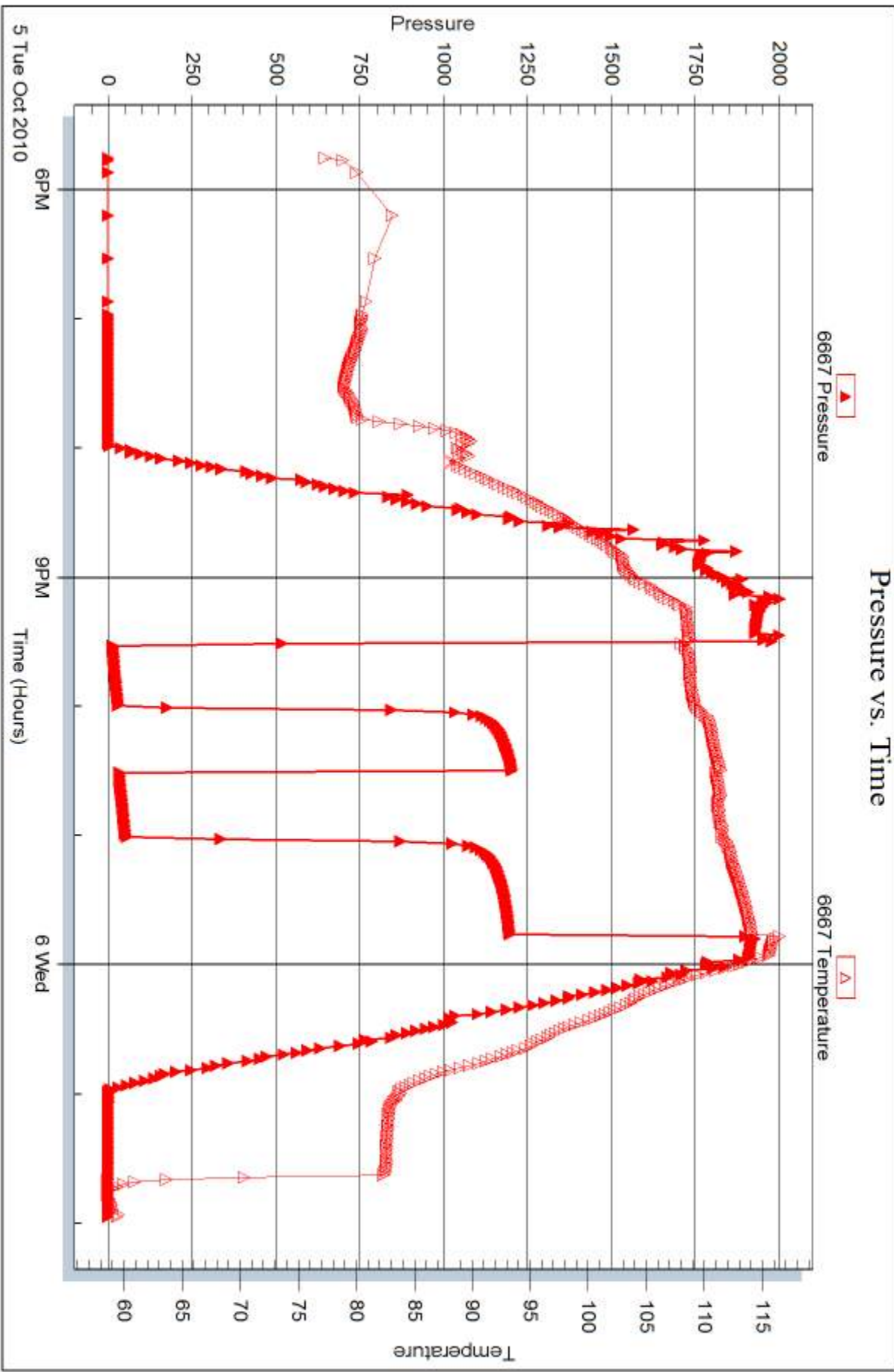
Serial #:

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



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

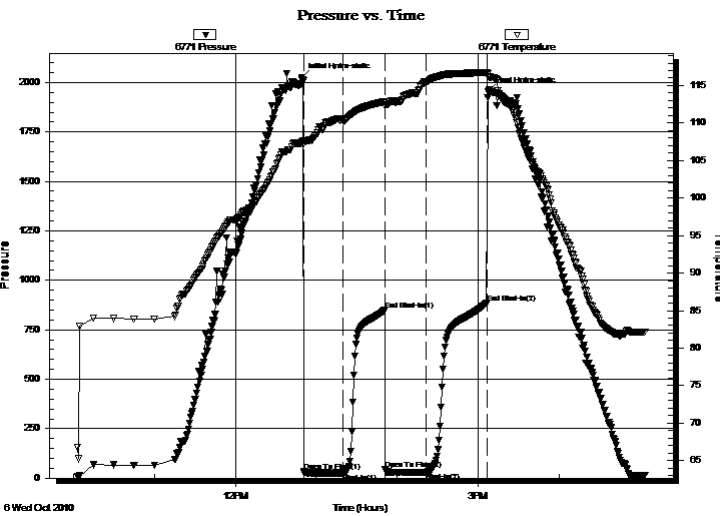
Start Time: 10:03:15

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

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: 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

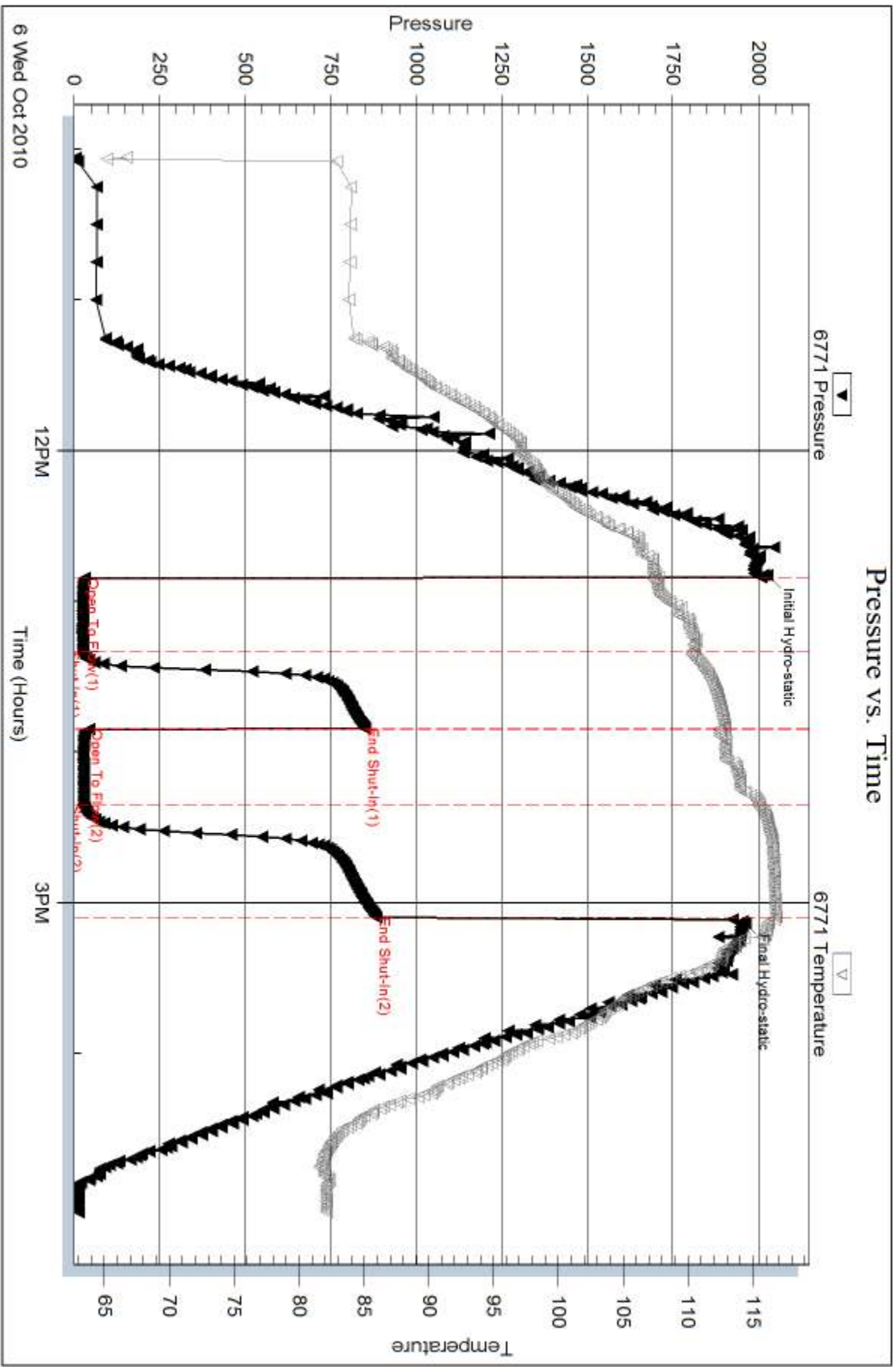
Length ft	Description	Volume bbl
75.00	w cm w /oil scum 10%w 90%m	1.052

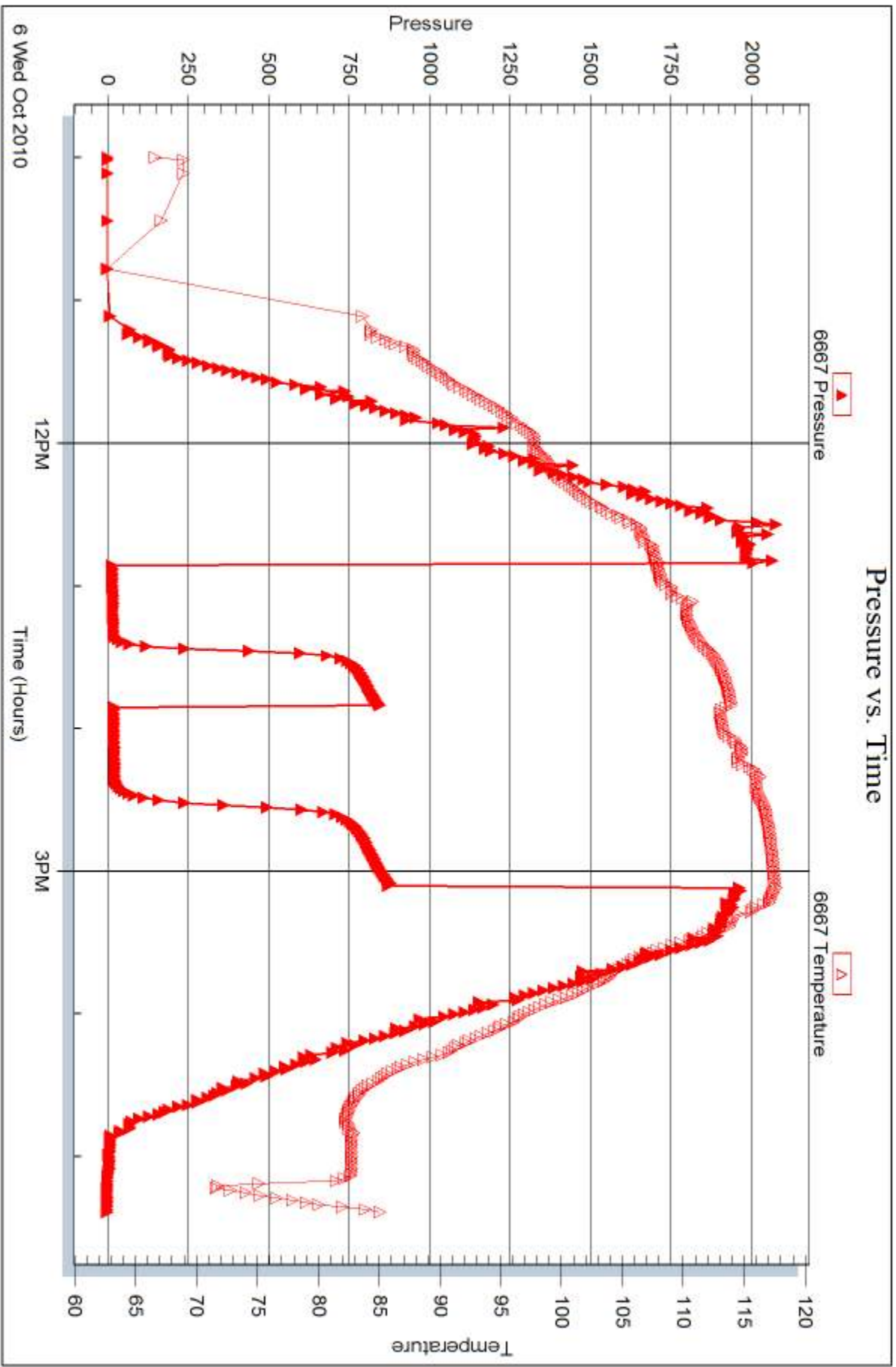
Total Length: 75.00 ft Total Volume: 1.052 bbl

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

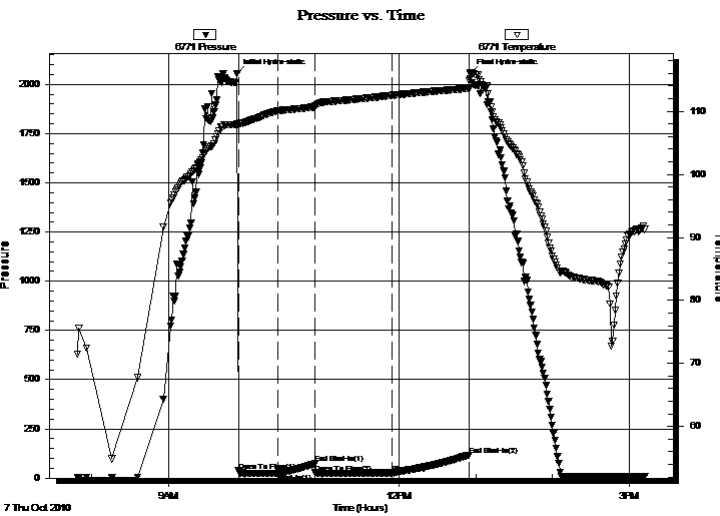
Last Calib.: 2010.10.07

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

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
Mud Weight: 9.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 8.16 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
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

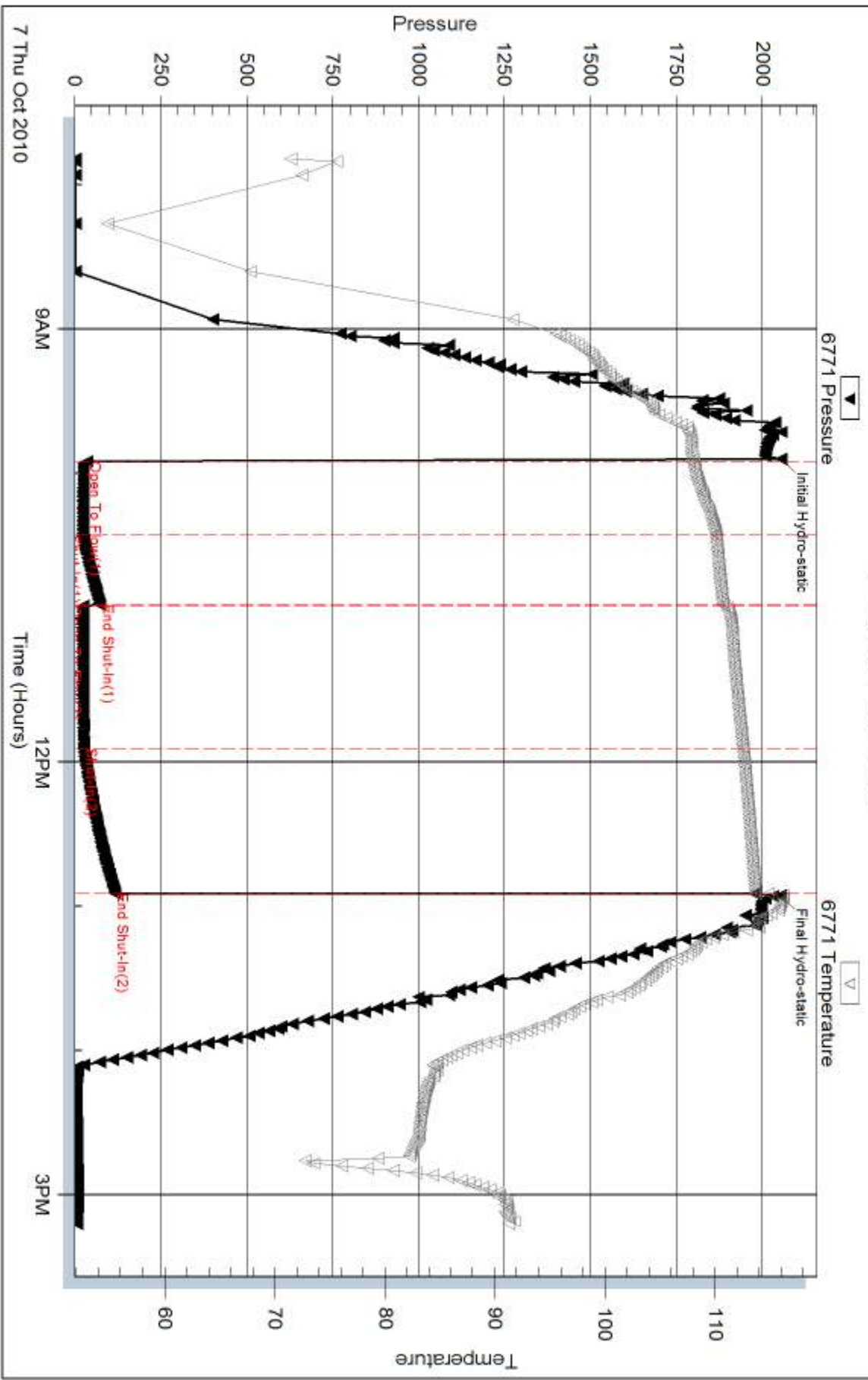
Serial #:

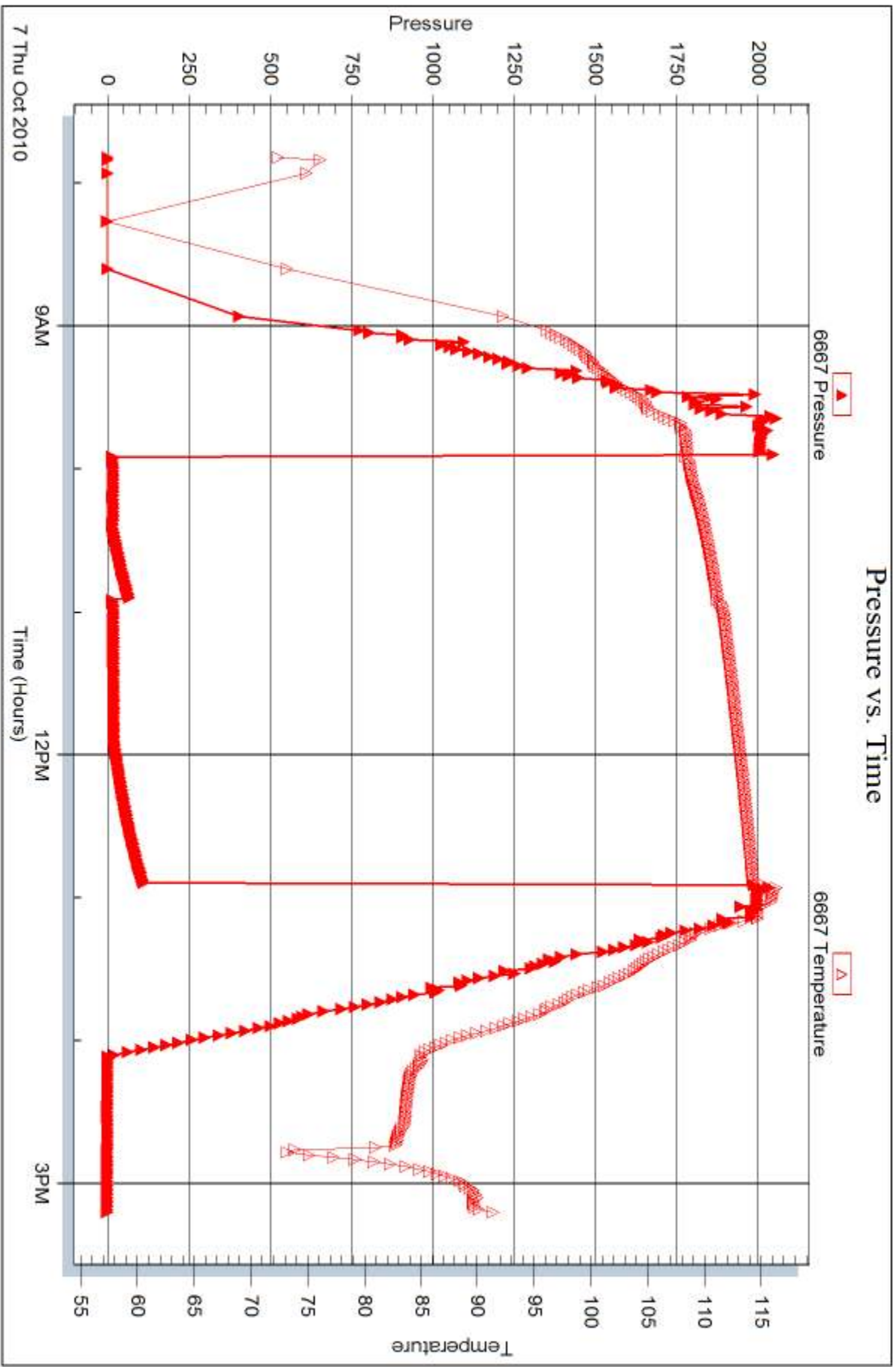
Laboratory Name:

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



**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

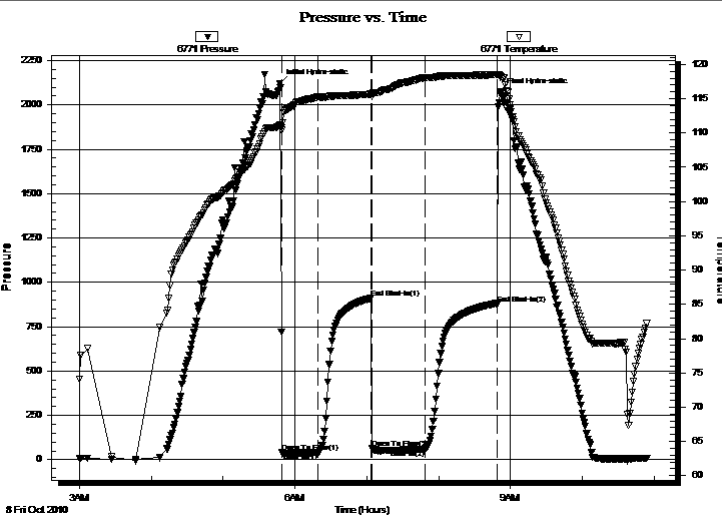
Last Calib.: 2010.10.08

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



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 #: 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

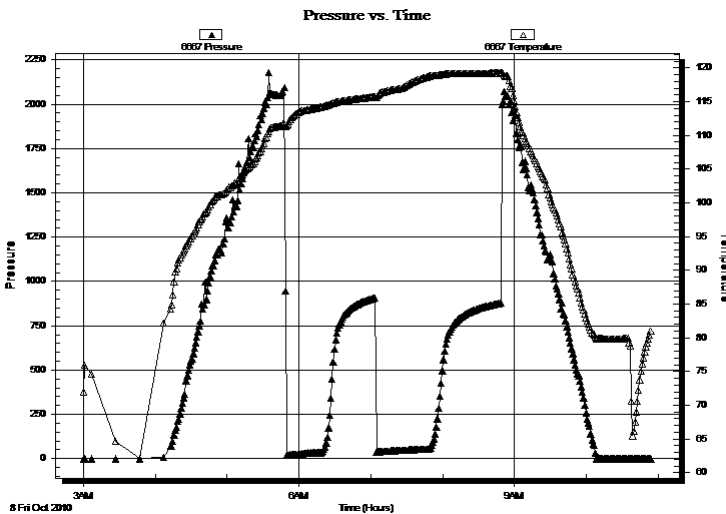
End Time: 10:54:00

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

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: 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

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 bbl
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

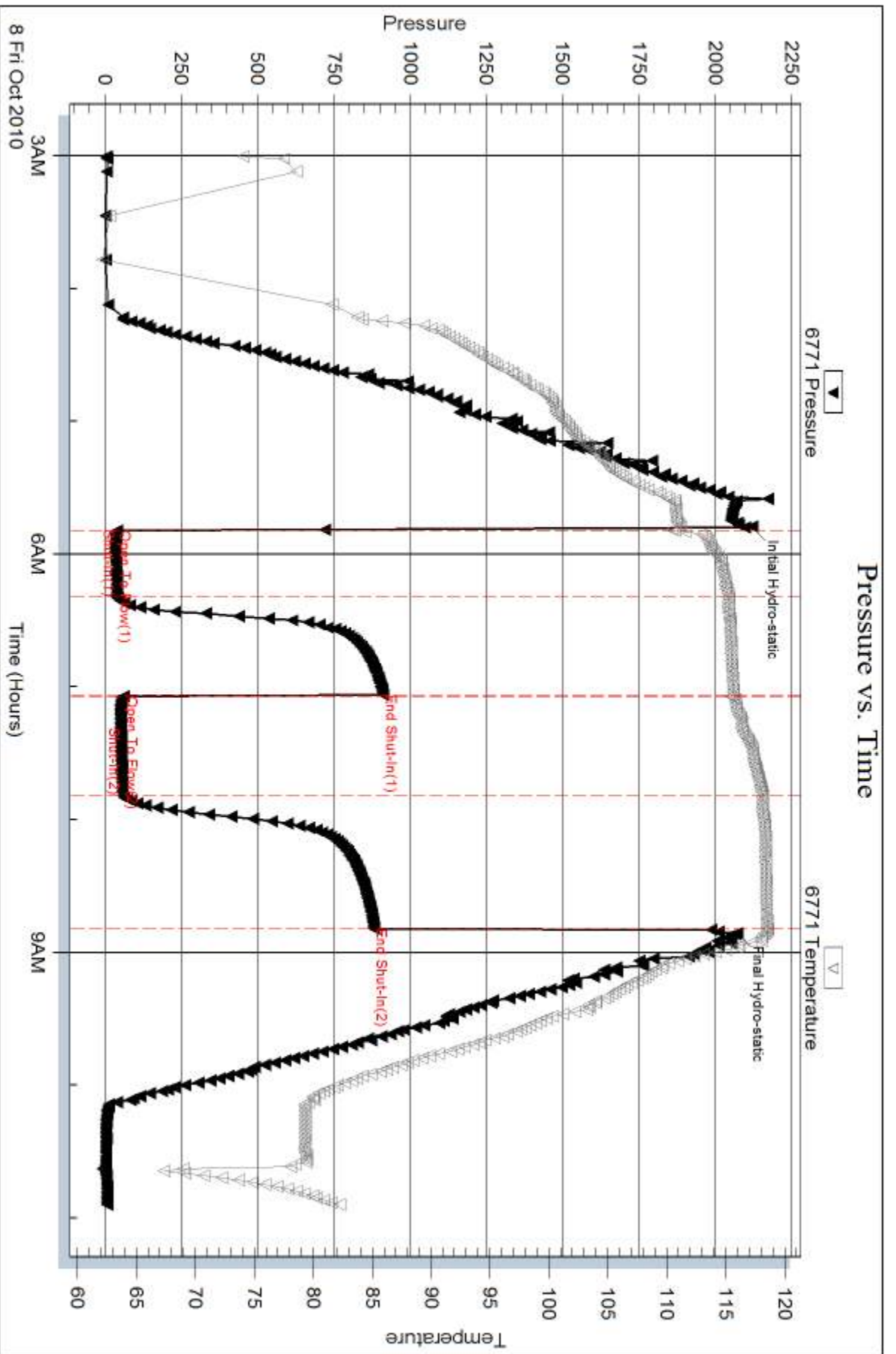
Num Gas Bombs: 0

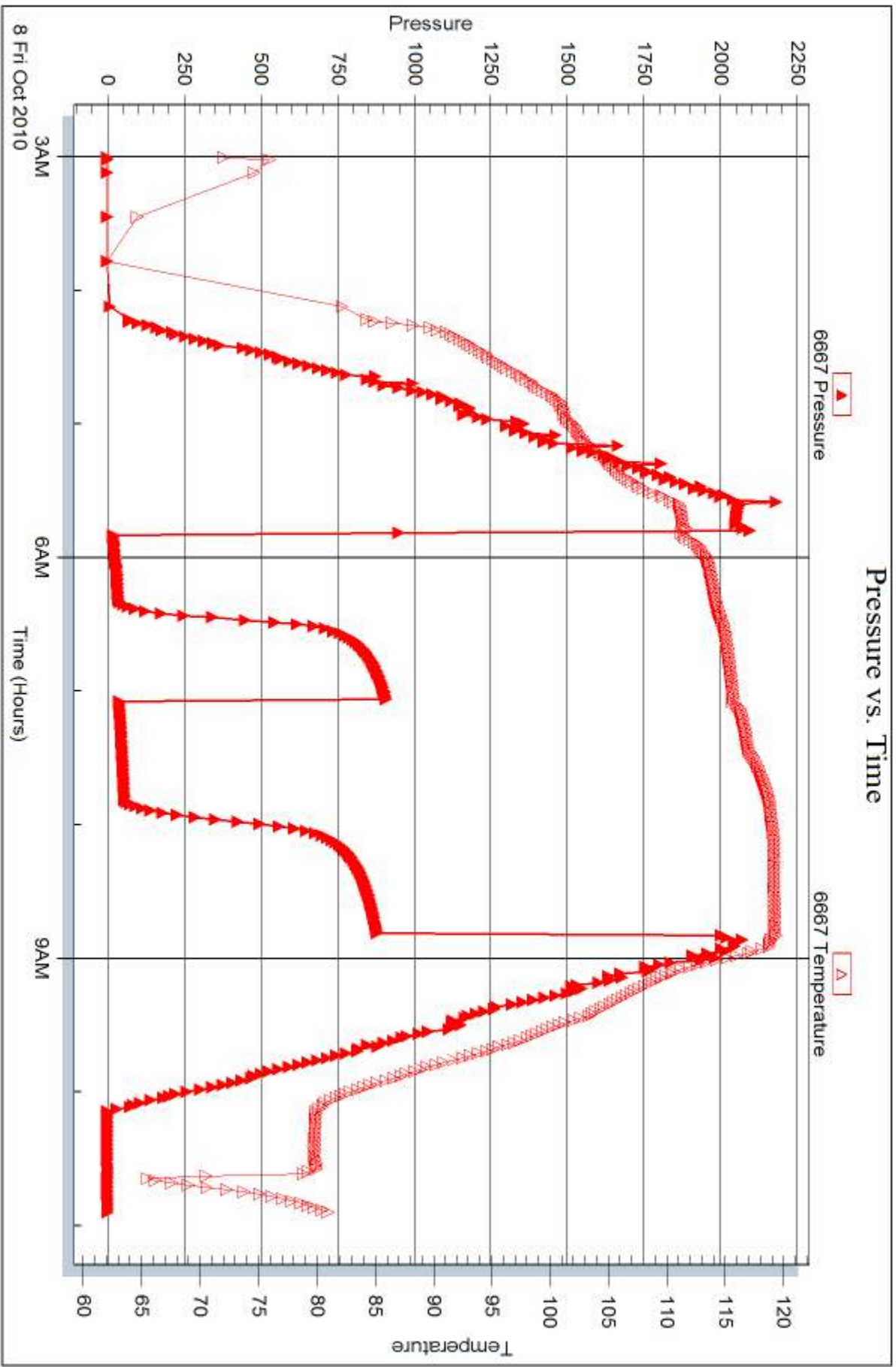
Serial #:

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
 Interval: **4392.00 ft (KB) To 4510.00 ft (KB) (TVD)**
 Total Depth: 4510.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 40
 Reference Elevations: 2975.00 ft (KB)
 2968.00 ft (CF)
 KB to GR/CF: 7.00 ft

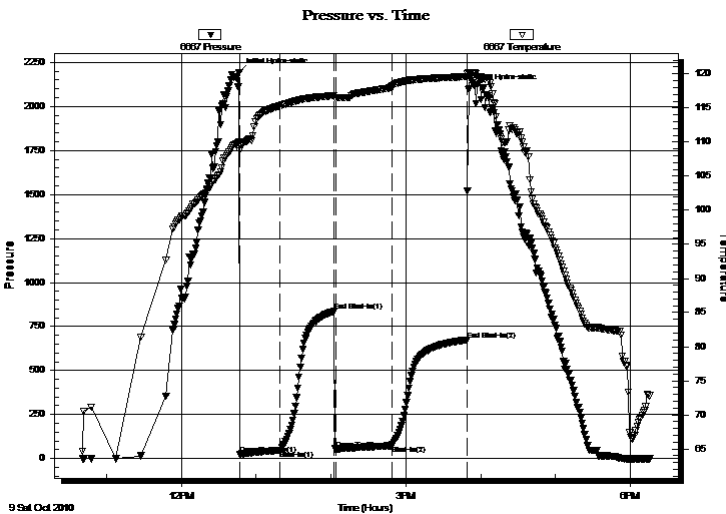
Serial #: 6667

Inside

Press@RunDepth: 73.09 psig @ 4393.00 ft (KB)
 Start Date: 2010.10.09 End Date: 2010.10.09
 Start Time: 10:40:51 End Time: 18:16:06
 Capacity: 8000.00 psig
 Last Calib.: 2010.10.09
 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.

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

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)

Total Depth: 4510.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2975.00 ft (KB)

2968.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6771 Outside

Press@RunDepth: psig @ 4393.00 ft (KB)

Start Date: 2010.10.09

End Date:

2010.10.09

Start Time: 10:40:51

End Time:

18:16:06

Capacity: 8000.00 psig

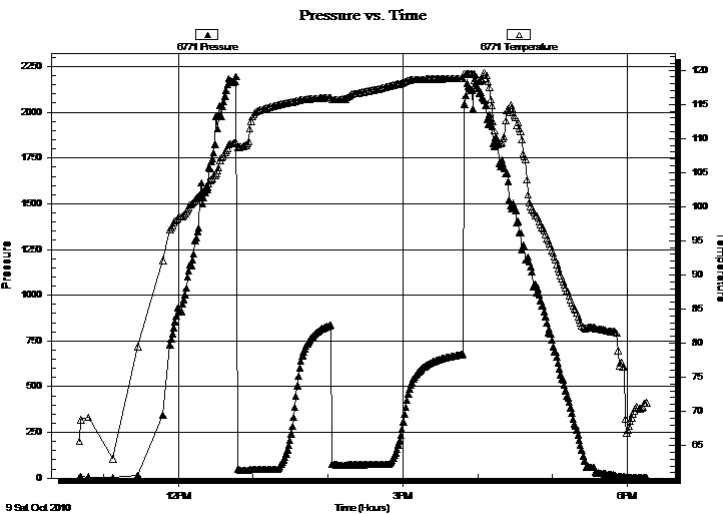
Last Calib.:

2010.10.09

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

* 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: 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

