



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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: _____ _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Strong 1
Doc ID	1105006

All Electric Logs Run

Compensated Neutron Density
Spectral Gamma Ray
Dual Induction
Borehole Compensated Sonic
Microresistivity



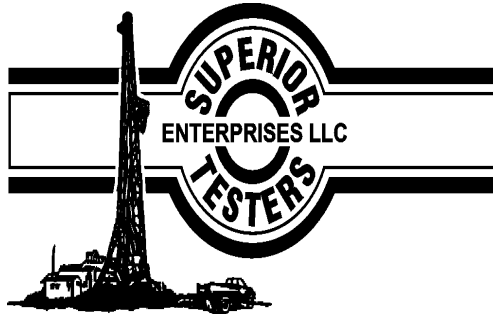
Customer <b>LB EXPLORATION</b>		Lease No.		Date	
Lease <b>STRONG</b>		Well # <b>1</b>		<b>1-18-2012</b>	
Field Order #	Station <b>PRATT, Ks.</b>	Casing <b>5 1/2"</b>	Depth	County <b>BARBER</b>	State <b>Ks.</b>
Type Job <b>CNW - 5 1/2" L.S.</b>			Formation <b>TD - 4944'</b>	Legal Description <b>35-32-13</b>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>5 1/2" x 14'</b>	Pipe Size	Shots/Ft	<b>CMT -</b>	Acid <b>175SK AAA</b>	RATE	PRESS	ISIP	
Depth <b>4427.83</b>	Depth	From	To	Pre Pad <b>@ 1.54 CWT</b>	Max <b>SHOE</b>	<b>39.3</b>	<b>5 Min.</b>	
Volume <b>120.28 BBL</b>	Volume	From	To	Pad	Min <b>185 BBL</b>	<b>TO DO JOB</b>	<b>10 Min.</b>	
Max Press <b>1500</b>	Max Press	From	To	Frac	Avg		<b>15 Min.</b>	
Well Connection <b>P.L.</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <b>4312.49</b>	Packer Depth	From	To	Flush <b>119 BBL @ 2% KCL</b>	Gas Volume		Total Load	

Customer Representative <b>MICHAEL PETERMAN</b>	Station Manager <b>D. SCOTT</b>	Treater <b>K. LESLEY</b>
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Service Units	<b>375 Bbl</b>	<b>274 bbl</b>	<b>19826</b>	<b>19860</b>					
Driver Names	<b>LESLEY</b>	<b>LAURENCE BOWERS</b>							

Time	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	Service Log
6:30 AM					ON LOCATION - SAFETY MEETING
2:00 PM					RUN 5 1/2" x 14' CSG. / INSERT = 1ST JNT.
					TURBO - 1,3,4,5,7,9,11,12,13,14,15,16,19,20,26,27
					BASKET - NONE
					CSG. ON BOTTOM
4:10 PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
5:45 PM	300		20	6	2% KCL H <sub>2</sub> O AHEAD
5:59 PM	250		12	6	MUD FLUSH
6:01 PM	250		5	6	H <sub>2</sub> O SPACER
6:02 PM	200		48	6	MIX 175SK AAA @ 14.8 PPG
6:10 PM					CLEAR PUMP & LINE - DROP PLUG
6:15 PM	0		0	75	START DISPLACEMENT W/ 2% KCL
6:36 PM	250		88	64	LIFT PRESSURE
6:39 PM	500		100	63	SLOW RATE
6:45 PM	1500		119	63	PLUG DOWN - HELD
					CIRC. THRU JOB
			6, 4		PLUG R.H. @ M.H.
					JOB COMPLETE,
					THANKS -
					KEVIN LESLEY



## DRILL STEM TEST REPORT

Prepared For: **LB exploration Inc**

2135 2ND RD Holyrood KS 67450 + 9021

ATTN: Scott Alberg

**Strong #1**

**35- 32- 13 Barber**

Start Date: 2012.01.11 @ 07:02:00

End Date: 2012.01.11 @ 13:34:23

Job Ticket #: 18675                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.01.11 @ 13:49:47









# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Scott Alberg

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18675      **DST#: 1**  
 Test Start: 2012.01.11 @ 07:02:00

**Tool Information**

Drill Pipe:	Length: 3487.00 ft	Diameter: 3.80 inches	Volume: 48.91 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 49.21 bbl</u>	Tool Chased	3.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3570.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Ruined Packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3547.00	
Hydraulic Tool	5.00			3552.00	
Jars	6.00			3558.00	
Safety Joint	2.00			3560.00	
Packer	5.00			3565.00	28.00      Bottom Of Top Packer
Packer	5.00			3570.00	
Anchor	29.00			3599.00	
Recorder	1.00	8159	Inside	3600.00	
Recorder	1.00	8525	Outside	3601.00	
Bullnose	3.00			3604.00	34.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>62.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

LB exploration Inc  
2135 2ND RD Holyrood KS 67450 + 9021  
ATTN: Scott Alberg

**35- 32- 13 Barber**  
**Strong #1**  
Job Ticket: 18675      **DST#: 1**  
Test Start: 2012.01.11 @ 07:02:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 28.00 sec/qt	Cushion Volume: bbl		
Water Loss: 0.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7600.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud	0.295

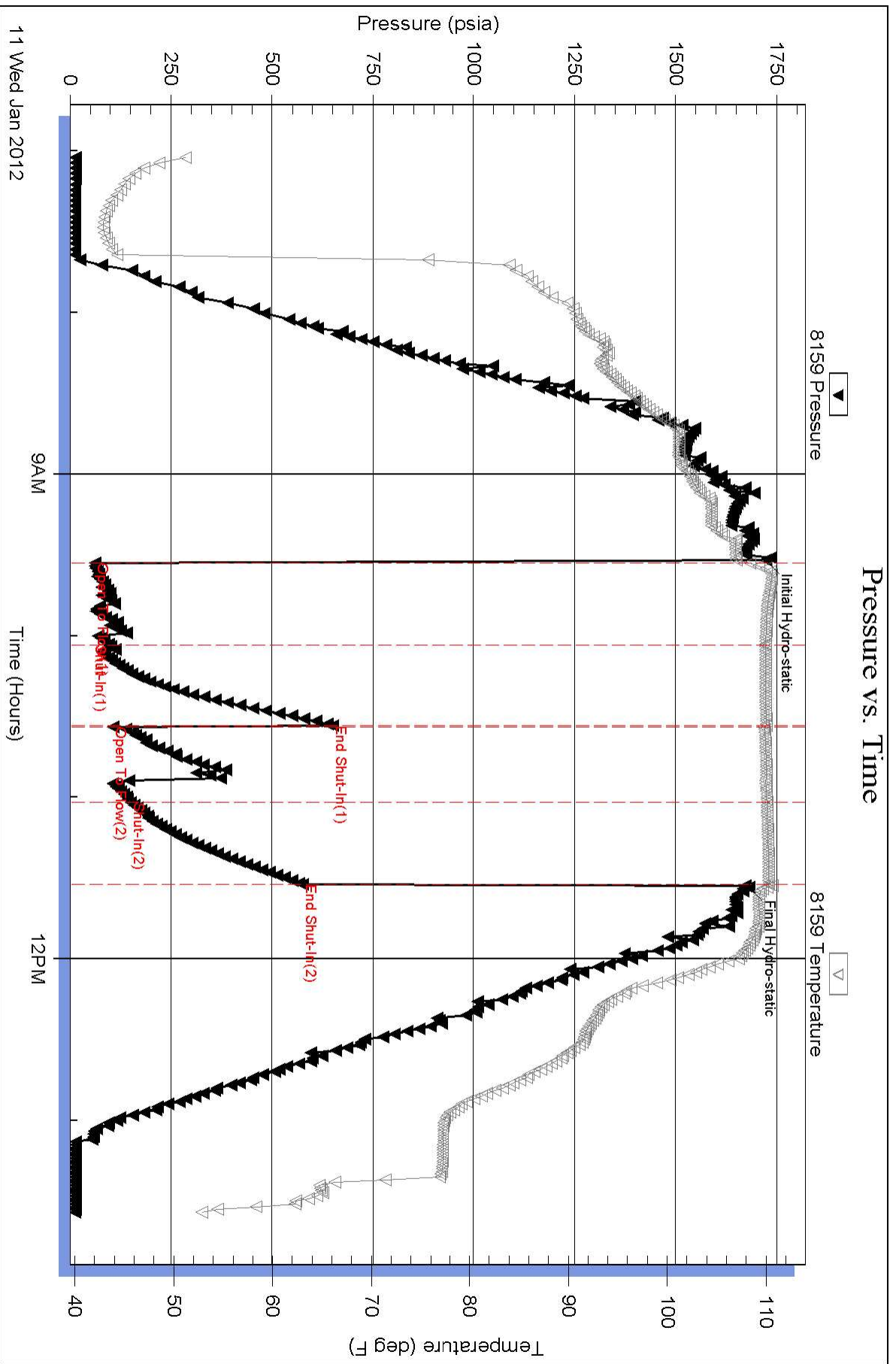
Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

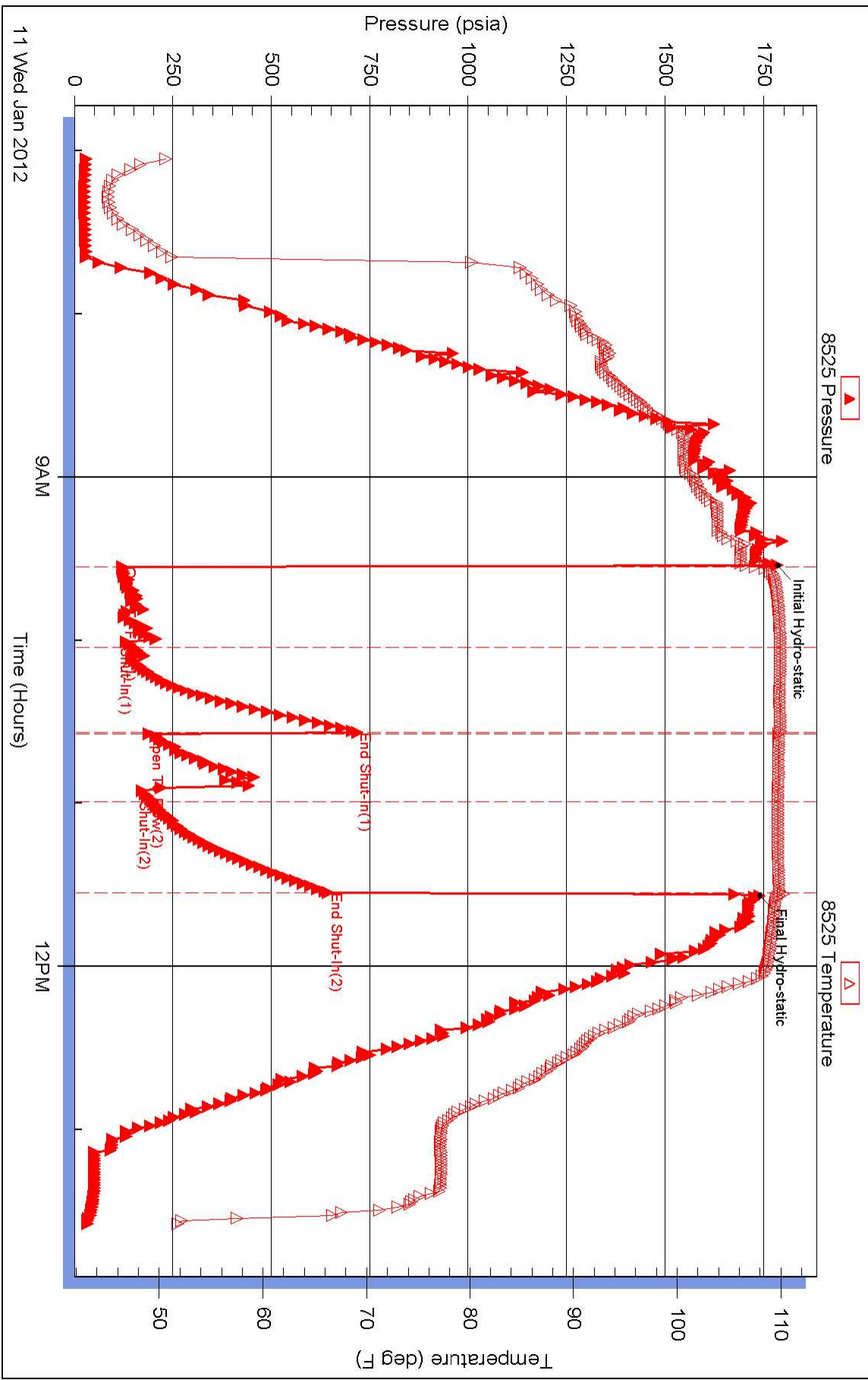
Laboratory Name:      Laboratory Location:

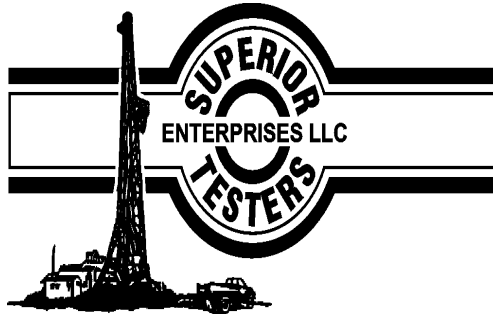
Recovery Comments: Ruined Packer

# Pressure vs. Time



### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **LB exploration Inc**

2135 2ND RD Holyrood KS 67450 + 9021

ATTN: Steven

### **Strong #1**

### **35- 32- 13 Barber**

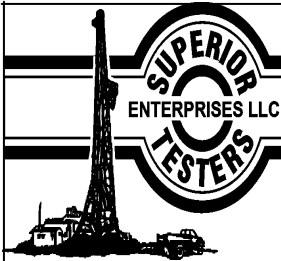
Start Date: 2012.01.13 @ 11:04:00

End Date: 2012.01.13 @ 19:47:00

Job Ticket #: 18726                      DST #: 2

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.01.13 @ 20:13:37



# DRILL STEM TEST REPORT

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

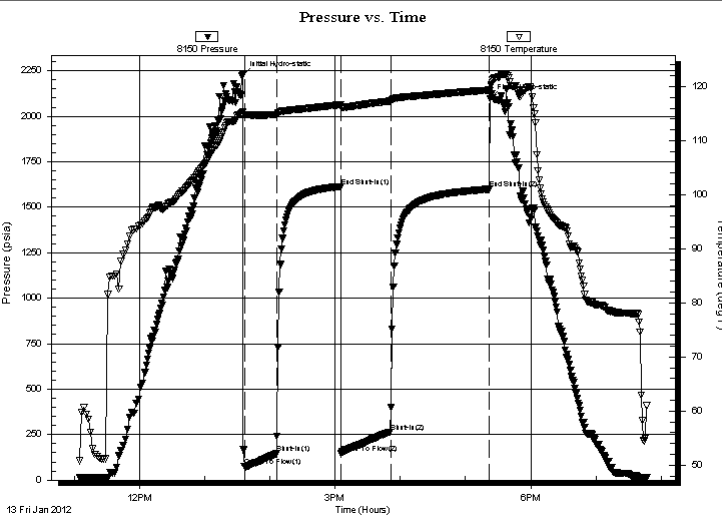
**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18726 **DST#: 2**  
 Test Start: 2012.01.13 @ 11:04:00

## GENERAL INFORMATION:

Formation: **Swope**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 13:36:30 Tester: Jared Scheck  
 Time Test Ended: 19:47:00 Unit No: 3320 - Pratt-80  
 Interval: **4321.00 ft (KB) To 4359.00 ft (KB) (TVD)** Reference Elevations: 1692.00 ft (KB)  
 Total Depth: 4359.00 ft (KB) (TVD) 1682.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

**Serial #: 8150** **Inside**  
 Press @ RunDepth: 264.32 psia @ 4355.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.13 End Date: 2012.01.13 Last Calib.: 2012.01.13  
 Start Time: 11:04:00 End Time: 19:47:00 Time On Btm: 2012.01.13 @ 13:35:00  
 Time Off Btm: 2012.01.13 @ 17:22:30

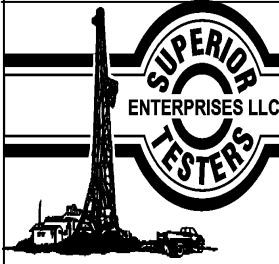
**TEST COMMENT:** 1st Opening 30 Minutes-Strong blow built bottom of bucket less then 1 minute gas to surface 15 minutes  
 1st Shut-in 60 Minutes-Blow back  
 2nd Opening 45 Minutes- Strong blow built bottom of bucket less then 1 minutes  
 2nd Shut-in 90 Minutes-Blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2225.31	115.36	Initial Hydro-static
2	77.87	114.81	Open To Flow (1)
31	146.64	114.85	Shut-In(1)
90	1614.19	116.66	End Shut-In(1)
91	146.10	116.23	Open To Flow (2)
136	264.32	117.32	Shut-In(2)
227	1599.14	119.34	End Shut-In(2)
228	2098.68	119.31	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	Muddy water 40% mud 60% w ater	1.68
320.00	Water 10% mud 90% w ater	4.49
0.00	Chlorides 88,000	0.00
0.00	Resistivity .1 @65 degrees	0.00
0.00	3684 Gas in pipe	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	18.32
Last Gas Rate	0.13	36.00	13.47
Max. Gas Rate	0.13	39.00	14.60



# DRILL STEM TEST REPORT

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

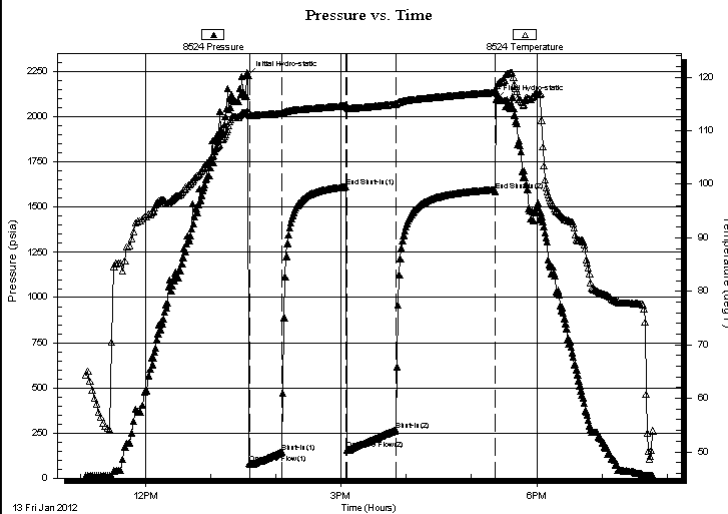
**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18726 **DST#: 2**  
 Test Start: 2012.01.13 @ 11:04:00

## GENERAL INFORMATION:

Formation: **Swope**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:36:30  
 Time Test Ended: 19:47:00  
**Interval: 4321.00 ft (KB) To 4359.00 ft (KB) (TVD)**  
 Total Depth: 4359.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320 - Pratt-80  
 Reference Elevations: 1692.00 ft (KB)  
 1682.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8524 Outside**  
 Press @ RunDepth: 1588.89 psia @ 4356.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.13 End Date: 2012.01.13 Last Calib.: 2012.01.13  
 Start Time: 11:04:00 End Time: 19:47:00 Time On Btm: 2012.01.13 @ 13:34:30  
 Time Off Btm: 2012.01.13 @ 17:22:30

**TEST COMMENT:** 1st Opening 30 Minutes-Strong blow built bottom of bucket less then 1 minute gas to surface 15 minutes  
 1st Shut-in 60 Minutes-Blow back  
 2nd Opening 45 Minutes- Strong blow built bottom of bucket less then 1 minutes  
 2nd Shut-in 90 Minutes-Blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2227.58	113.61	Initial Hydro-static
2	79.48	112.93	Open To Flow (1)
31	145.49	113.20	Shut-In(1)
90	1612.94	114.68	End Shut-In(1)
91	157.83	114.26	Open To Flow (2)
136	264.56	114.97	Shut-In(2)
227	1588.89	117.17	End Shut-In(2)
228	2095.50	117.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy water 40% mud 60% water	1.68
320.00	Water 10% mud 90% water	4.49
0.00	Chlorides 88,000	0.00
0.00	Resistivity .1 @65 degrees	0.00
0.00	3684 Gas in pipe	0.00

## Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	18.32
Last Gas Rate	0.13	36.00	13.47
Max. Gas Rate	0.13	39.00	14.60



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18726      **DST#: 2**  
 Test Start: 2012.01.13 @ 11:04:00

**Tool Information**

Drill Pipe:	Length: 4304.00 ft	Diameter: 3.80 inches	Volume: 60.37 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 60.37 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4321.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	66.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4298.00	
Hydraulic Tool	5.00			4303.00	
Jars	6.00			4309.00	
Safety Joint	2.00			4311.00	
Packer	5.00			4316.00	28.00      Bottom Of Top Packer
Packer	5.00			4321.00	
Anchor	33.00			4354.00	
Recorder	1.00	8150	Inside	4355.00	
Recorder	1.00	8524	Outside	4356.00	
Bullnose	3.00			4359.00	38.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>66.00</b>				





# DRILL STEM TEST REPORT

## FLUID SUMMARY

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18726      **DST#: 2**  
 Test Start: 2012.01.13 @ 11:04:00

### 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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy w ater 40%mud 60%w ater	1.683
320.00	Water 10% mud 90%w ater	4.489
0.00	Chlorides 88,000	0.000
0.00	Resistivity .1 @65 degrees	0.000
0.00	3684 Gas in pipe	0.000

Total Length: 440.00 ft      Total Volume: 6.172 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



# DRILL STEM TEST REPORT

**GAS RATES**

LB exploration Inc  
2135 2ND RD Holyrood KS 67450 + 9021  
ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
Job Ticket: 18726      **DST#: 2**  
Test Start: 2012.01.13 @ 11:04:00

## Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	10	0.38	5.00	18.32
1	10	0.38	19.00	69.60
2	10	0.13	39.00	14.60
2	10	0.13	22.00	8.23
2	10	0.13	28.00	10.48
2	10	0.13	36.00	13.47

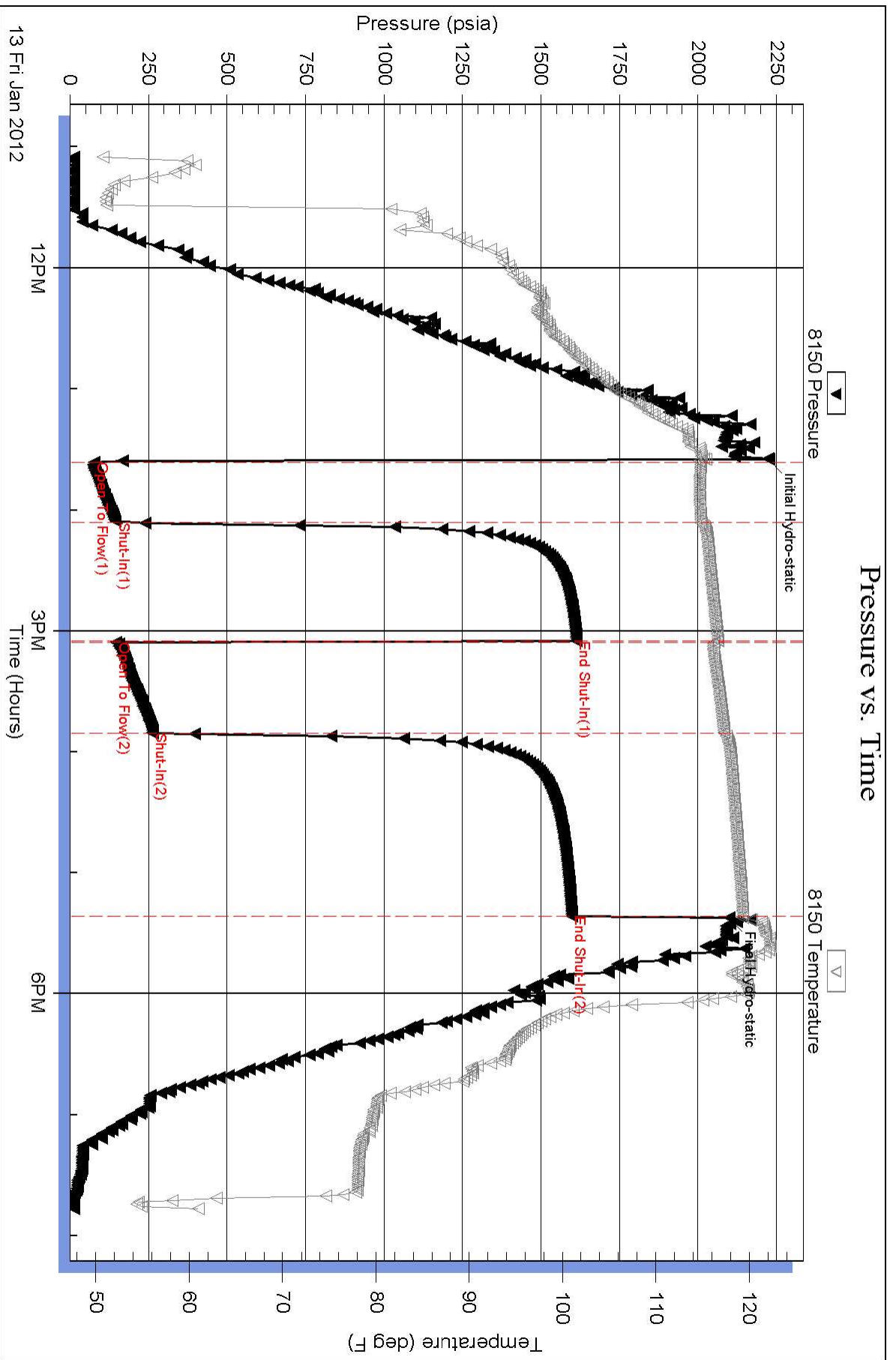
Serial #: 8150

Inside

LB exploration Inc

Strong #1

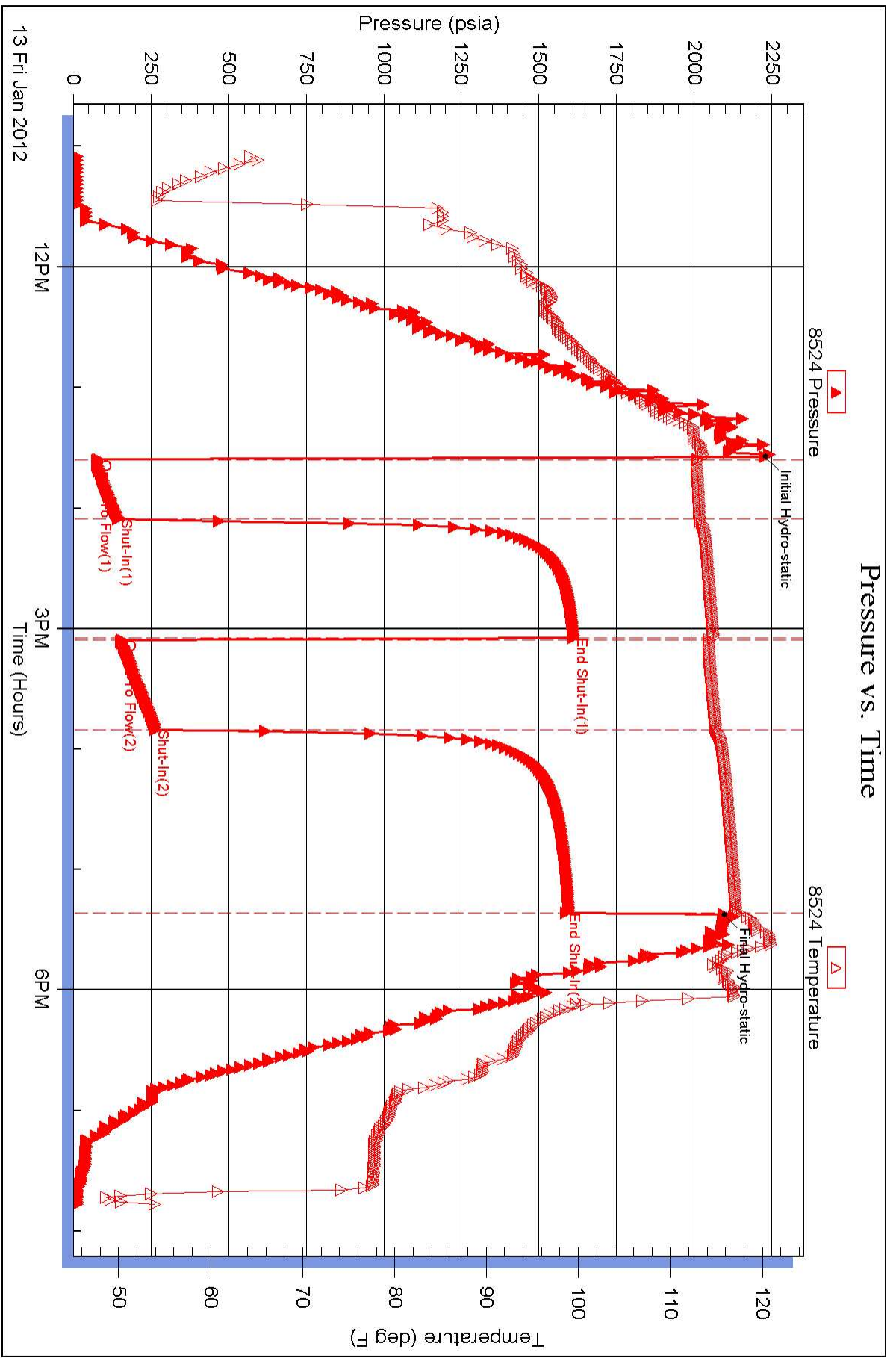
DST Test Number: 2

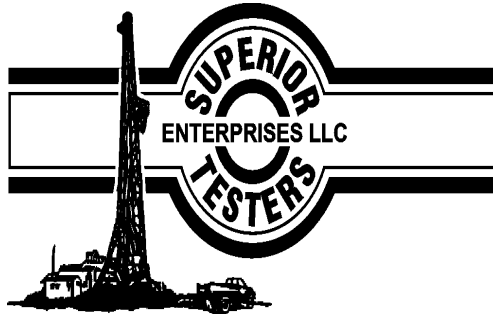


Superior Testers Enterprises LLC

Ref. No: 18726

Printed: 2012.01.13 @ 20:13:38





## DRILL STEM TEST REPORT

Prepared For: **LB exploration Inc**

2135 2ND RD Holyrood KS 67450 + 9021

ATTN: Steven

### **Strong #1**

### **35- 32- 13 Barber**

Start Date: 2012.01.14 @ 09:50:00

End Date: 2012.01.14 @ 18:04:30

Job Ticket #: 18727                      DST #: 3

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.01.14 @ 18:18:58







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18727      **DST#: 3**  
 Test Start: 2012.01.14 @ 09:50:00

**Tool Information**

Drill Pipe:	Length: 4398.00 ft	Diameter: 3.80 inches	Volume: 61.69 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 61.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4414.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Gas to surface 17 Minutes into 1st open see gas report/

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4391.00	
Hydraulic Tool	5.00			4396.00	
Jars	6.00			4402.00	
Safety Joint	2.00			4404.00	
Packer	5.00			4409.00	28.00      Bottom Of Top Packer
Packer	5.00			4414.00	
Anchor	40.00			4454.00	
Recorder	1.00	8524	Inside	4455.00	
Recorder	1.00	8525	Outside	4456.00	
Bullnose	3.00			4459.00	45.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>73.00</b>				





# DRILL STEM TEST REPORT

## FLUID SUMMARY

LB exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18727      **DST#: 3**  
 Test Start: 2012.01.14 @ 09:50:00

### Mud and Cushion Information

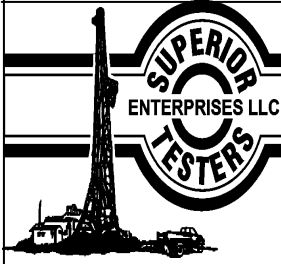
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud	0.561
0.00	4358 Gas in pipe	0.000

Total Length: 40.00 ft      Total Volume: 0.561 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gas to surface 17 minutes into 1st opening see gas report/



# DRILL STEM TEST REPORT

**GAS RATES**

LB exploration Inc

**35- 32- 13 Barber**

2135 2ND RD Holyrood KS 67450 + 9021

**Strong #1**

Job Ticket: 18727

**DST#: 3**

ATTN: Steven

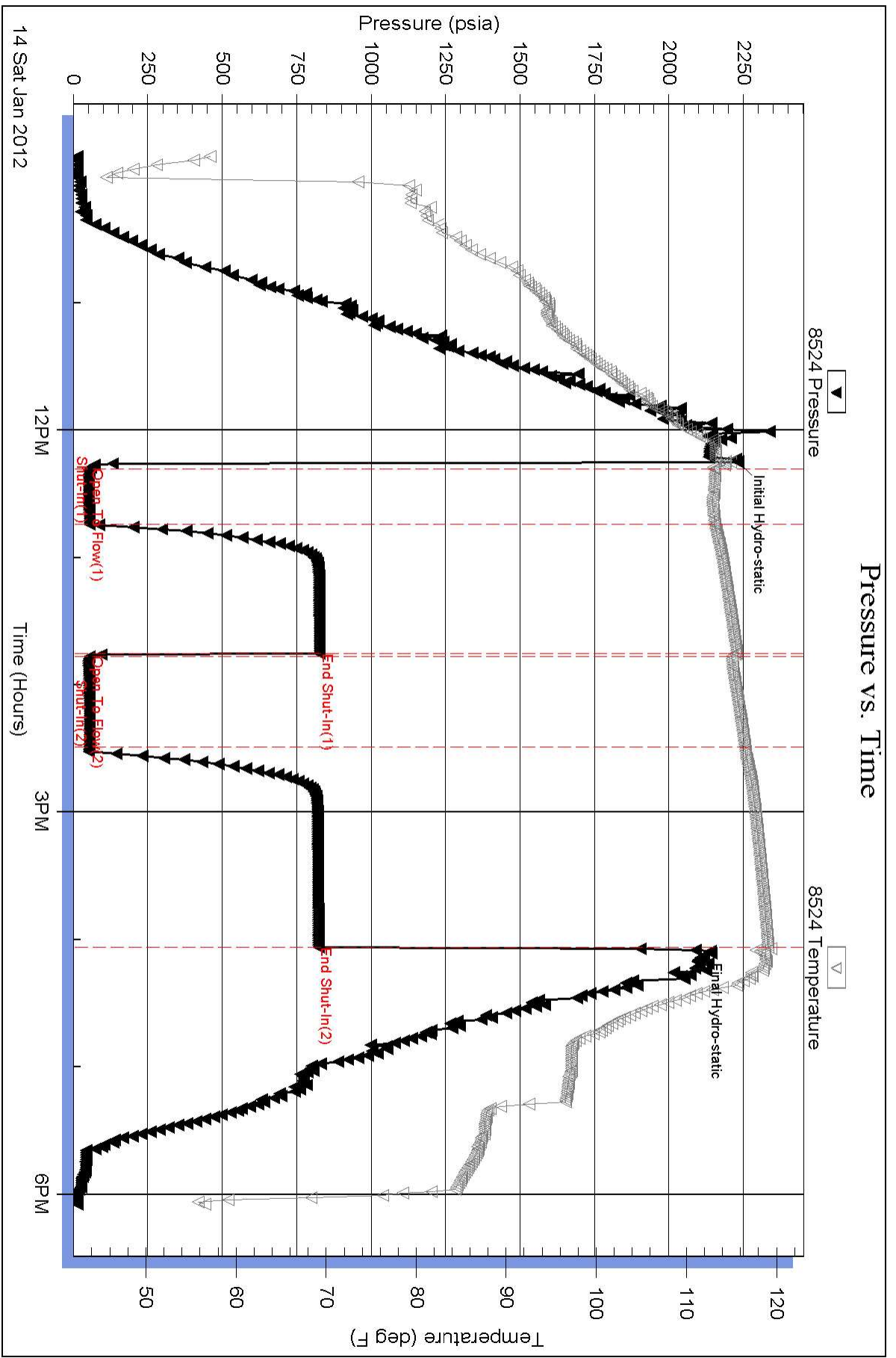
Test Start: 2012.01.14 @ 09:50:00

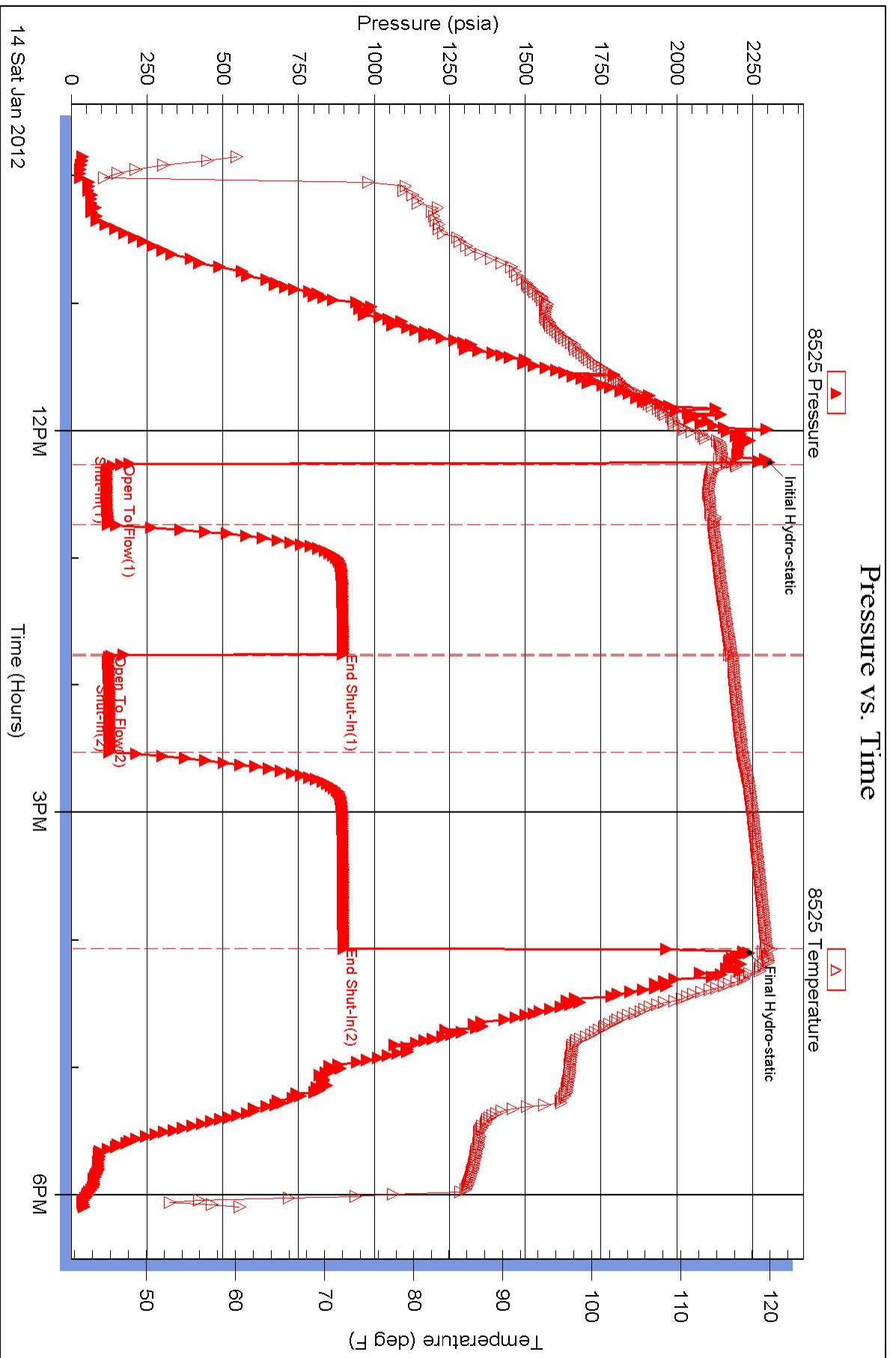
## Gas Rates Information

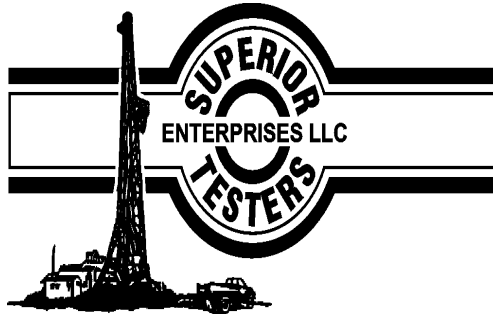
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	10	0.25	10.00	15.86
1	10	0.25	5.00	7.93
2	10	0.38	5.00	18.32
2	10	0.38	5.47	20.04
2	10	0.38	5.47	20.04
2	10	0.38	5.47	20.04







## DRILL STEM TEST REPORT

Prepared For: **LB Exploration Inc**

2135 2ND RD Holyrood KS 67450 + 9021

ATTN: Steven

**Strong #1**

**35- 32- 13 Barber**

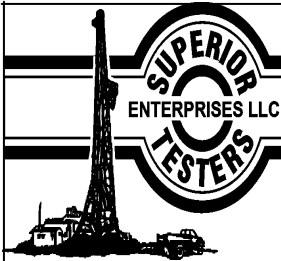
Start Date: 2012.01.15 @ 16:54:00

End Date: 2012.01.15 @ 23:06:00

Job Ticket #: 18728                      DST #: 4

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.01.16 @ 05:02:10



# DRILL STEM TEST REPORT

LB Exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18728      **DST#: 4**  
 Test Start: 2012.01.15 @ 16:54:00

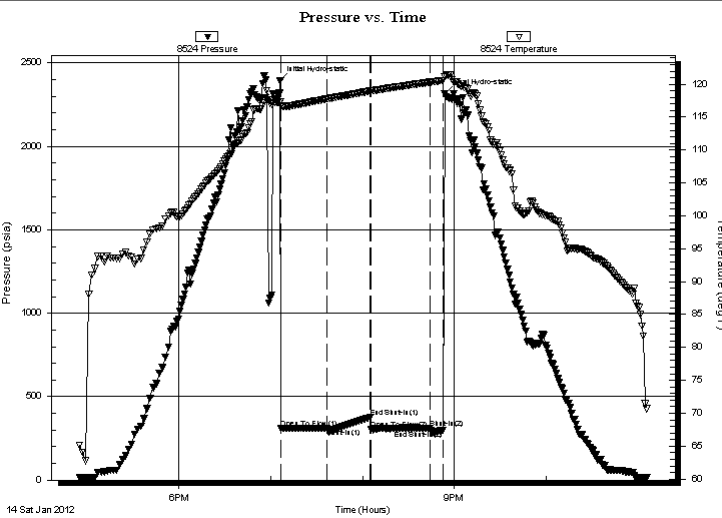
## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:06:30  
 Time Test Ended: 23:06:00  
 Interval: **4604.00 ft (KB) To 4691.00 ft (KB) (TVD)**  
 Total Depth: 4691.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-80-Pratt  
 Reference Elevations: 1692.00 ft (KB)  
 1682.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8524

Press @ RunDepth: 312.59 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.14 End Date: 2012.01.14 Last Calib.: 2012.01.15  
 Start Time: 16:54:00 End Time: 23:06:00 Time On Btm: 2012.01.14 @ 19:06:00  
 Time Off Btm: 2012.01.14 @ 20:53:30

**TEST COMMENT:** 1st Opening 30 Minutes-Very weak blow built 1/2 inch into water and died off  
 1st Shut-in 30 Minutes-No blow back  
 2nd Opening 40 Minutes-No blow flushed tool weak surge did not build  
 2nd Shut-in 10 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2393.47	117.31	Initial Hydro-static
1	309.26	116.77	Open To Flow (1)
31	309.45	117.77	Shut-In(1)
59	374.54	118.93	End Shut-In(1)
60	302.56	118.95	Open To Flow (2)
98	312.59	120.31	Shut-In(2)
107	300.60	120.58	End Shut-In(2)
108	2315.45	121.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
480.00	Mud	6.73

## Gas Rates

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



# DRILL STEM TEST REPORT

LB Exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18728      **DST#: 4**  
 Test Start: 2012.01.15 @ 16:54:00

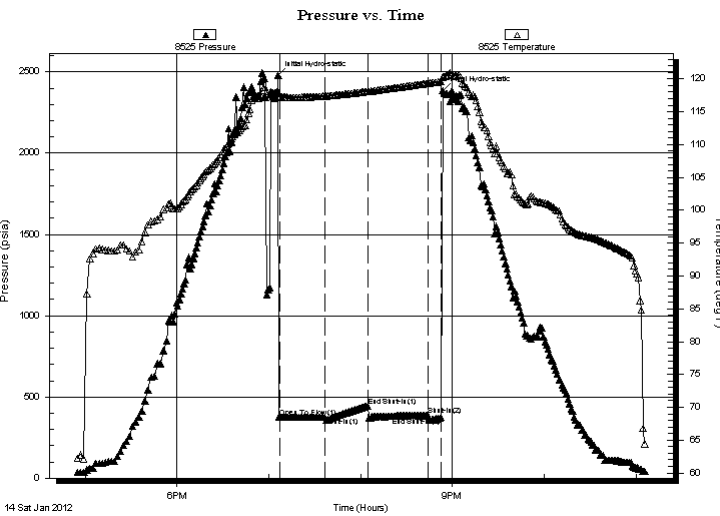
## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:06:30  
 Time Test Ended: 23:06:00  
 Interval: **4604.00 ft (KB) To 4691.00 ft (KB) (TVD)**  
 Total Depth: 4691.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-80-Pratt  
 Reference Elevations: 1692.00 ft (KB)  
 1682.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8525

Press @ RunDepth: 373.44 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.14 End Date: 2012.01.14 Last Calib.: 2012.01.15  
 Start Time: 16:54:00 End Time: 23:06:00 Time On Btm: 2012.01.14 @ 19:06:00  
 Time Off Btm: 2012.01.14 @ 20:53:30

**TEST COMMENT:** 1st Opening 30 Minutes-Very weak blow built 1/2 inch into water and died off  
 1st Shut-in 30 Minutes-No blow back  
 2nd Opening 40 Minutes-No blow flushed tool weak surge did not build  
 2nd Shut-in 10 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2478.20	117.98	Initial Hydro-static
1	374.63	117.33	Open To Flow (1)
31	376.12	117.38	Shut-In(1)
59	444.71	118.10	End Shut-In(1)
98	384.83	119.32	Shut-In(2)
107	373.44	119.58	End Shut-In(2)
108	2386.55	120.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
480.00	Mud	6.73

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

LB Exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18728      **DST#: 4**  
 Test Start: 2012.01.15 @ 16:54:00

**Tool Information**

Drill Pipe:	Length: 4615.00 ft	Diameter: 3.80 inches	Volume: 64.74 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 64.74 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4604.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	87.00 ft				
Tool Length:	107.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Miss Run

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4589.00	
Hydraulic Tool	5.00			4594.00	
Packer	5.00			4599.00	20.00      Bottom Of Top Packer
Packer	5.00			4604.00	
Anchor	1.00			4605.00	
Change Over Sub	0.75			4605.75	
Drill Pipe	63.50		Outside	4669.25	
Change Over Sub	0.75		Outside	4670.00	
Anchor	16.00			4686.00	
Recorder	1.00	8524	Inside	4687.00	
Recorder	1.00	8525	Outside	4688.00	
Bullnose	3.00			4691.00	87.00      Bottom Packers & Anchor

**Total Tool Length: 107.00**





# DRILL STEM TEST REPORT

## FLUID SUMMARY

LB Exploration Inc  
2135 2ND RD Holyrood KS 67450 + 9021  
ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
Job Ticket: 18728      **DST#: 4**  
Test Start: 2012.01.15 @ 16:54:00

### Mud and Cushion Information

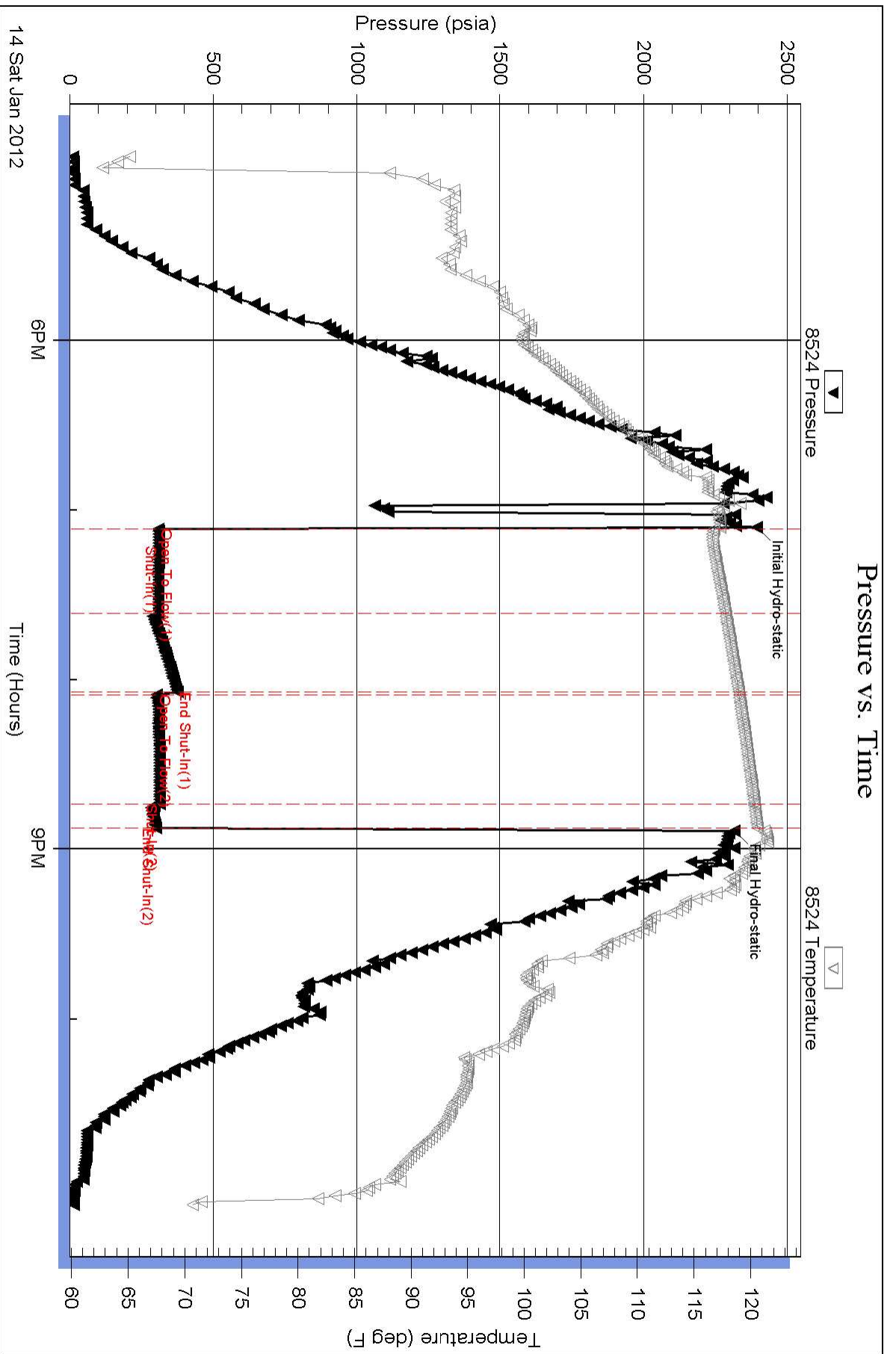
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

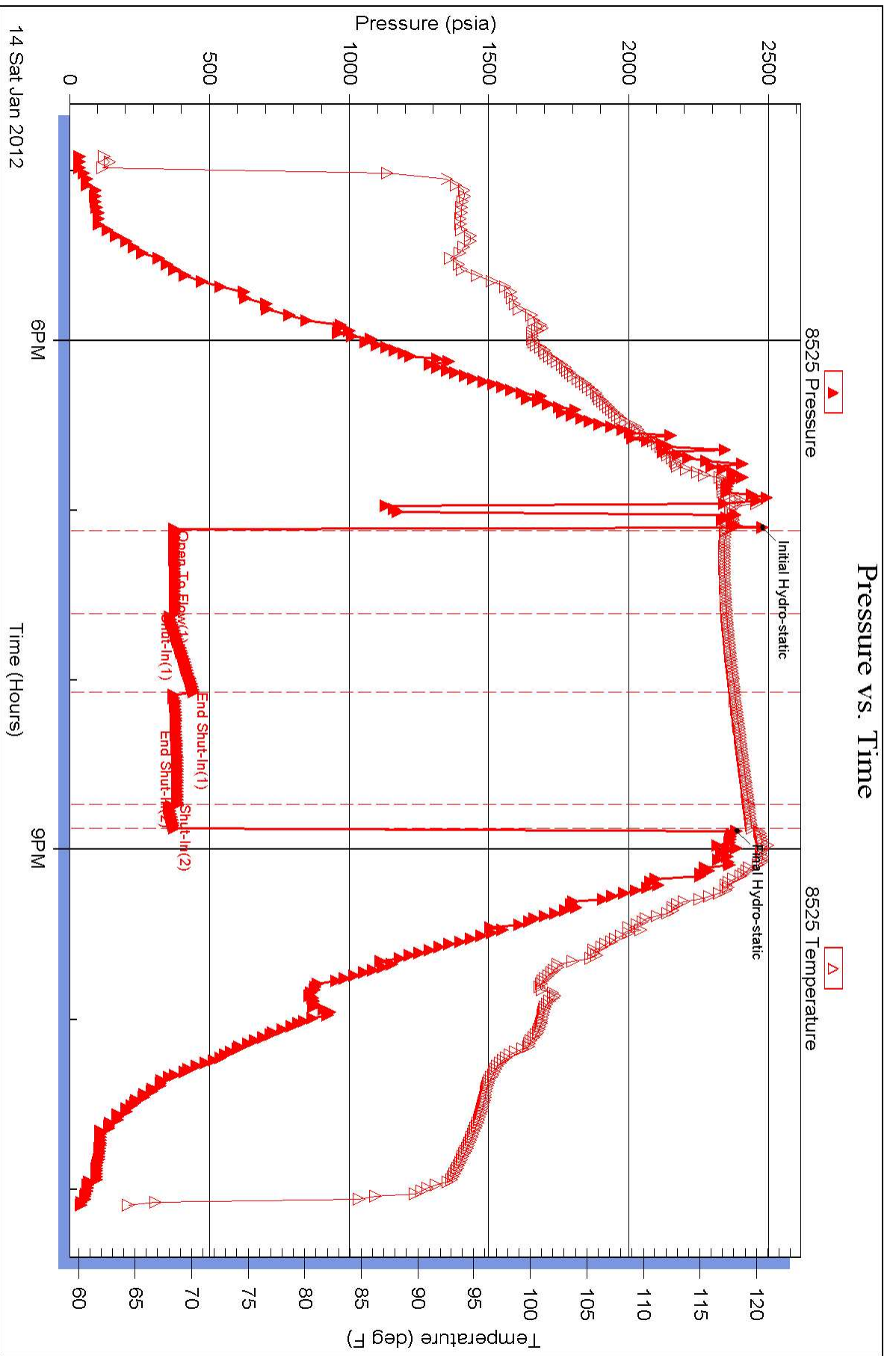
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	Mud	6.733

Total Length: 480.00 ft      Total Volume: 6.733 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Miss Run







## DRILL STEM TEST REPORT

Prepared For: **LB Exploration Inc**

2135 2ND RD Holyrood KS 67450 + 9021

ATTN: Steven

**Strong #1**

**35- 32- 13 Barber**

Start Date: 2012.01.15 @ 23:23:00

End Date: 2012.01.16 @ 06:59:30

Job Ticket #: 18729                      DST #: 5

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.01.16 @ 07:13:44





# DRILL STEM TEST REPORT

LB Exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

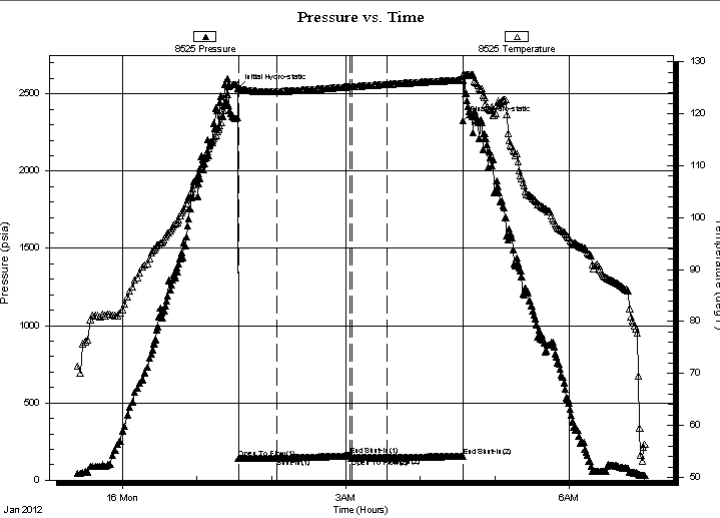
**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18729 **DST#: 5**  
 Test Start: 2012.01.15 @ 23:23:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:33:30  
 Time Test Ended: 06:59:30  
 Interval: **4604.00 ft (KB) To 4691.00 ft (KB) (TVD)**  
 Total Depth: 4691.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-Pratt-80  
 Reference Elevations: 1692.00 ft (KB)  
 1682.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8525 Outside**  
 Press @ RunDepth: 155.34 psia @ 4688.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.15 End Date: 2012.01.16 Last Calib.: 2012.01.16  
 Start Time: 23:23:00 End Time: 07:00:30 Time On Btm: 2012.01.16 @ 01:33:00  
 Time Off Btm: 2012.01.16 @ 04:34:30

**TEST COMMENT:** 1st Opening- 30 Minutes-Very weak blow died off  
 1st Shut-in 60 Minutes-No blow  
 2nd Opening 30 Minutes-No blow flushed tool weak surge died off  
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2536.72	125.65	Initial Hydro-static
1	140.03	124.87	Open To Flow (1)
31	142.17	124.28	Shut-In(1)
91	157.99	125.19	End Shut-In(1)
92	143.39	125.20	Open To Flow (2)
120	145.46	125.66	Shut-In(2)
181	155.34	126.50	End Shut-In(2)
182	2328.31	127.57	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
12.00	Mud	0.17

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

LB Exploration Inc  
 2135 2ND RD Holyrood KS 67450 + 9021  
 ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18729      **DST#: 5**  
 Test Start: 2012.01.15 @ 23:23:00

**Tool Information**

Drill Pipe:	Length: 4615.00 ft	Diameter: 3.80 inches	Volume: 64.74 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 64.74 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4604.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	87.00 ft				
Tool Length:	107.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4589.00	
Hydraulic Tool	5.00			4594.00	
Packer	5.00			4599.00	20.00      Bottom Of Top Packer
Packer	5.00			4604.00	
Anchor	0.00			4604.00	
Change Over Sub	0.75			4604.75	
Drill Pipe	63.50		Outside	4668.25	
Change Over Sub	0.75		Outside	4669.00	
Anchor	17.00			4686.00	
Recorder	1.00	8524	Inside	4687.00	
Recorder	1.00	8525	Outside	4688.00	
Bullnose	3.00			4691.00	87.00      Bottom Packers & Anchor

**Total Tool Length: 107.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

LB Exploration Inc  
2135 2ND RD Holyrood KS 67450 + 9021  
ATTN: Steven

**35- 32- 13 Barber**  
**Strong #1**  
Job Ticket: 18729      **DST#: 5**  
Test Start: 2012.01.15 @ 23:23:00

### 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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	Mud	0.168

Total Length: 12.00 ft      Total Volume: 0.168 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:



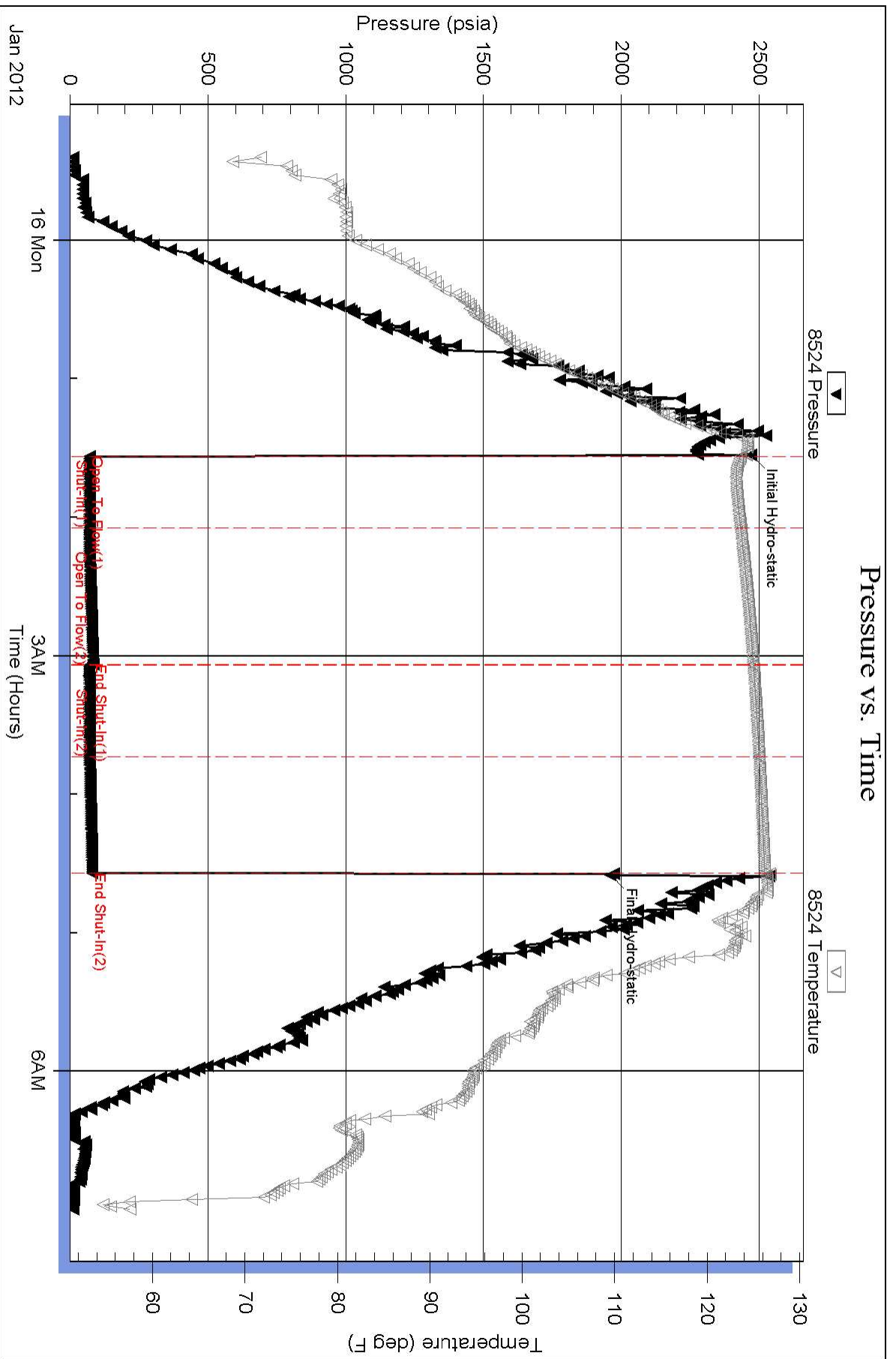
Serial #: 8524

Inside

LB Exploration Inc

Strong #1

DST Test Number: 5



Superior Testers Enterprises LLC

Ref. No: 18729

Printed: 2012.01.16 @ 07:13:45

