



## 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

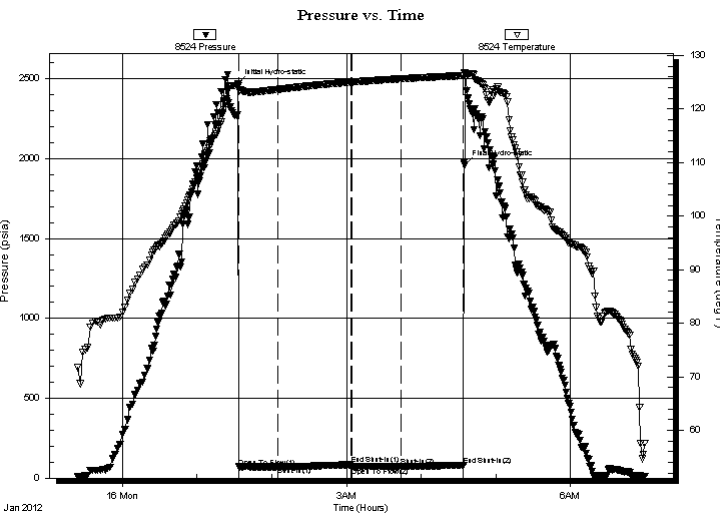
**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18729      **DST#: 5**  
 Test Start: 2012.01.15 @ 23:23:00

## 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 #: 8524      Inside**  
 Press @ RunDepth: 71.96 psia @ 4687.00 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: 06:59:30      Time On Btm: 2012.01.16 @ 01:33:00  
 Time Off Btm: 2012.01.16 @ 04:35:00

**TEST COMMENT:** 1st Opening- 30 Minutes-Very weak blow died off  
 1st Shut-n 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	2468.88	124.25	Initial Hydro-static
1	70.92	123.59	Open To Flow (1)
32	71.42	123.62	Shut-In(1)
91	84.51	125.00	End Shut-In(1)
91	70.09	125.00	Open To Flow (2)
131	71.96	125.63	Shut-In(2)
181	81.32	126.22	End Shut-In(2)
182	1960.19	126.82	Final Hydro-static

## Recovery

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

## Gas Rates

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



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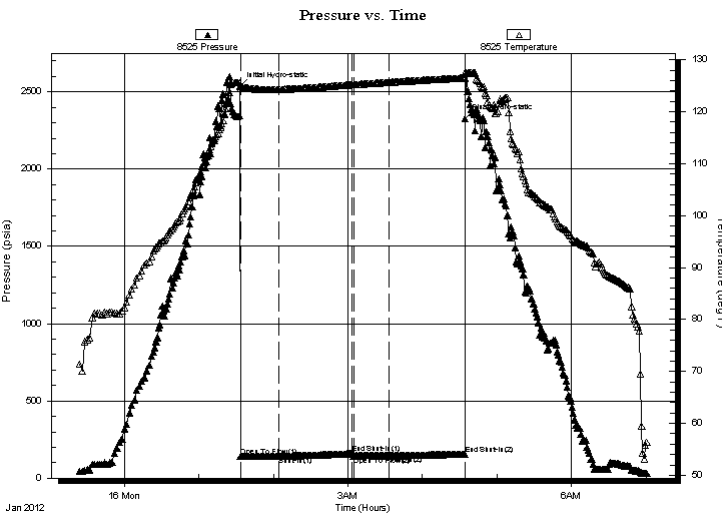
**35- 32- 13 Barber**  
**Strong #1**  
 Job Ticket: 18729 **DST#: 5**  
 Test Start: 2012.01.15 @ 23:23:00

## 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-n 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

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Job Ticket: 18729      **DST#: 5**  
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### 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:

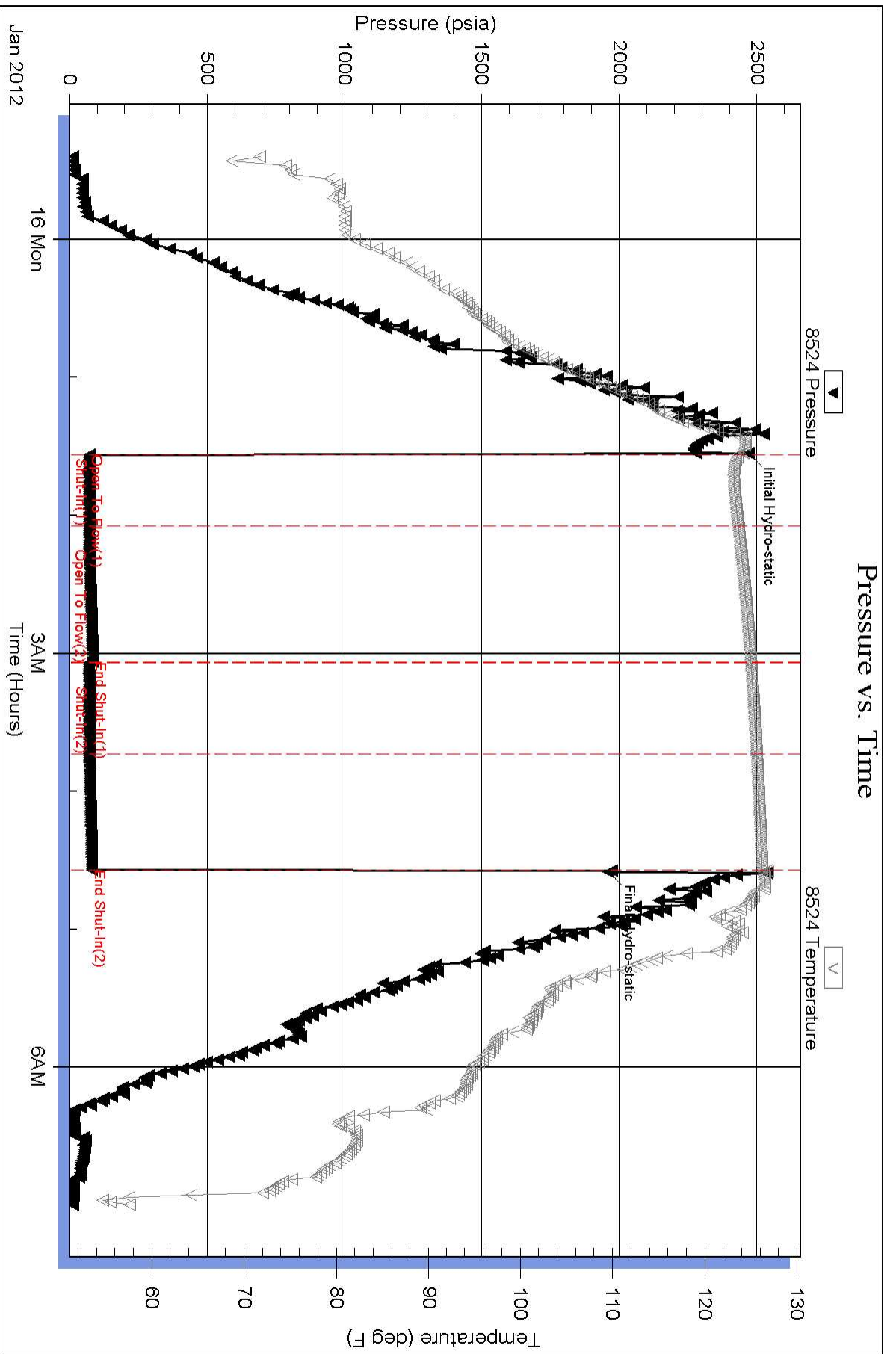
Serial #: 8524

Inside

LB Exploration Inc

Strong #1

DST Test Number: 5



Superior Testers Enterprises LLC

Ref. No: 18729

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