



## DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood  
Kansas 67450

ATTN: Steven Petermann

**Wolkins 15 #1**

**15-33s-13w-Barber**

Start Date: 2012.04.11 @ 09:13:00

End Date: 2012.04.11 @ 20:52:00

Job Ticket #: 17284                      DST #: 5

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

Printed: 2012.04.12 @ 13:51:06

LB Exploration  
15-33s-13w-Barber  
Wolkins 15 #1  
DST # 5  
Viola  
2012.04.11



# DRILL STEM TEST REPORT

LB Exploration

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Test Start: 2012.04.11 @ 09:13:00

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:44:00

Time Test Ended: 20:52:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

**Interval: 4854.00 ft (KB) To 4915.00 ft (KB) (TVD)**

Reference Elevations: 1612.00 ft (KB)

Total Depth: 5150.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

**Serial #: 6663 Inside**

Press @ RunDepth: 179.47 psia @ 4912.75 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.11 End Date: 2012.04.11

Last Calib.: 2012.04.12

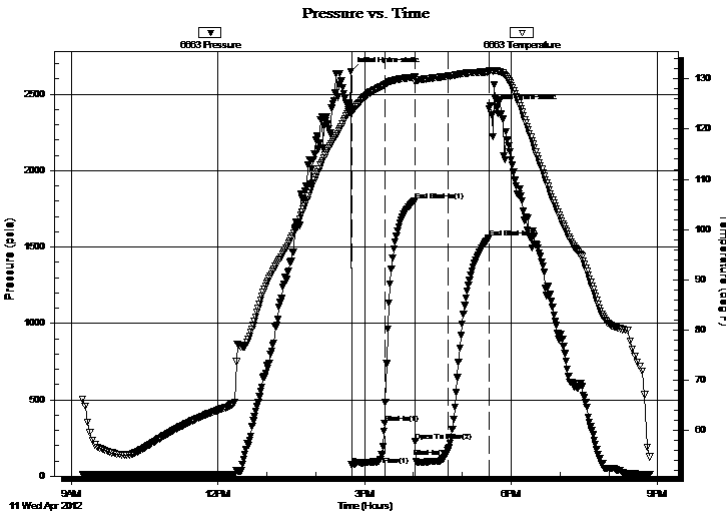
Start Time: 09:14:00 End Time: 20:52:00

Time On Btm: 2012.04.11 @ 14:43:30

Time Off Btm: 2012.04.11 @ 17:33:00

**TEST COMMENT:** 1st Open 30 minutes Weak surface blow  
1st Shut in 45 minutes No blow back  
2nd Open 30 minutes Weak surface blow  
2nd Shut in 60 minutes No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2650.92	124.09	Initial Hydro-static
1	73.97	123.49	Open To Flow (1)
41	344.97	128.80	Shut-In(1)
79	1804.06	130.32	End Shut-In(1)
79	228.87	129.40	Open To Flow (2)
120	179.47	130.52	Shut-In(2)
169	1558.77	131.38	End Shut-In(2)
170	2405.24	131.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
76.00	Drilling mud 100%	1.07

## Gas Rates

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







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**TOOL DIAGRAM**

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## Tool Information

Drill Pipe:	Length: 4852.00 ft	Diameter: 3.80 inches	Volume: 68.06 bbl	Tool Weight: 2000.00 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: 68.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4854.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4914.75 ft			
Interval between Packers:	60.75 ft			
Tool Length:	320.62 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4834.00	
Hydraulic Tool	5.00			4839.00	
Jars	6.00			4845.00	
Safety Joint	2.00			4847.00	
Top Packer	5.00			4852.00	
Packer	2.00			4854.00	25.00 Bottom Of Top Packer
Perforations	2.00			4856.00	
C.O. Sub	0.75			4856.75	
Drill Pipe	31.25			4888.00	
Change Over Sub	0.75			4888.75	
Perforations	23.00			4911.75	
Recorder	1.00	6663	Inside	4912.75	
Recorder	1.00	93335	Outside	4913.75	
Blank Off Sub	1.00			4914.75	60.75 Tool Interval
Packer	5.00			4919.75	
C.O. Sub	0.75			4920.50	
Drill Pipe	217.37			5137.87	
C.O. Sub	0.75			5138.62	
Anchor	8.00			5146.62	
Recorder	1.00	8400	Outside	5147.62	
Bullnose	2.00			5149.62	234.87 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>320.62</b>				



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## FLUID SUMMARY

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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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
76.00	Drilling mud 100%	1.066

Total Length: 76.00 ft      Total Volume: 1.066 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6663

Inside

LB Exploration

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DST Test Number: 5

# Pressure vs. Time

