



## DRILL STEM TEST REPORT

Prepared For: **L B Exploration**

2135 2nd Rd Holyrood KS 67450 + 9021

ATTN: Steven Peterman

**Eveleigh 27#1**

**27-16-14 Barton**

Start Date: 2013.07.26 @ 08:23:00

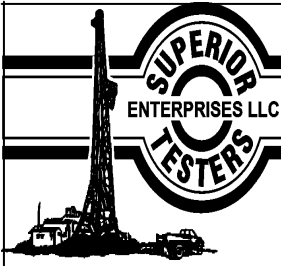
End Date: 2013.07.26 @ 13:24:30

Job Ticket #: 17016                      DST #: 4

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

Printed: 2013.07.26 @ 13:38:40

L B Exploration  
27-16-14 Barton  
Eveleigh 27#1  
DST # 4  
Lansing B zone  
2013.07.26



# DRILL STEM TEST REPORT

L B Exploration  
 2135 2nd Rd Holyrood KS 67450 + 9021  
 ATTN: Steven Peterman

**27-16-14 Barton**  
**Eveleigh 27#1**  
 Job Ticket: 17016 **DST#: 4**  
 Test Start: 2013.07.26 @ 08:23:00

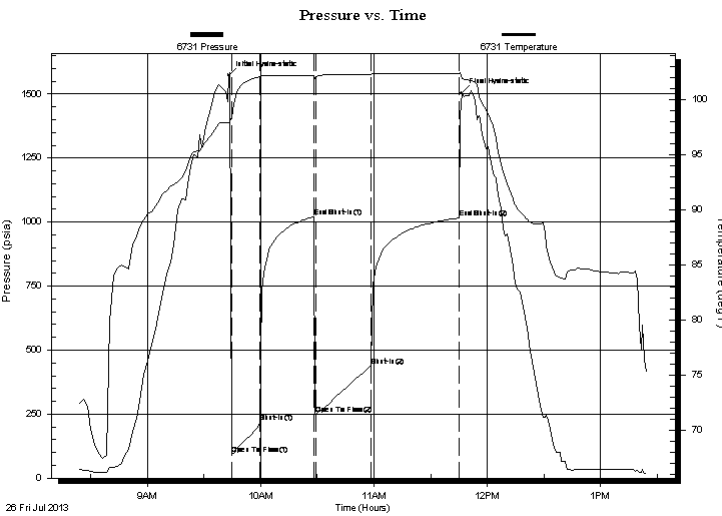
## GENERAL INFORMATION:

Formation: **Lansing B zone**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:44:30  
 Time Test Ended: 13:24:30  
 Interval: **3206.00 ft (KB) To 3214.00 ft (KB) (TVD)**  
 Total Depth: 3214.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-Great Bend-40  
 Reference Elevations: 1968.00 ft (KB)  
 1958.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 6731

Press@RunDepth: 438.03 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.07.26 End Date: 2013.07.26 Last Calib.: 2013.07.26  
 Start Time: 08:23:00 End Time: 13:24:30 Time On Btm: 2013.07.26 @ 09:43:00  
 Time Off Btm: 2013.07.26 @ 11:46:30

**TEST COMMENT:** 1st Opening 15 Minutes-Strong blow built bottom of bucket in 2 1/2 minutes  
 1st Shut-in 30 Minutes-No blow back  
 2nd Opening 30 Minutes-Strong blow built bottom of bucket in 2 1/2 minutes  
 2nd Shut-in 45 Minutes-No blow back



## PRESSURE SUMMARY

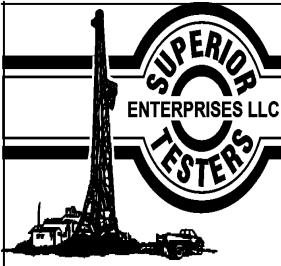
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1573.45	97.95	Initial Hydro-static
2	94.42	98.34	Open To Flow (1)
17	217.07	102.06	Shut-In(1)
45	1019.76	102.15	End Shut-In(1)
46	249.76	102.06	Open To Flow (2)
76	438.03	102.28	Shut-In(2)
122	1015.89	102.37	End Shut-In(2)
124	1505.38	101.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
600.00	water	8.42
0.00	chlorides 90,000 resistivity .7@65degree	0.00

## Gas Rates

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



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**27-16-14 Barton**  
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 Job Ticket: 17016 **DST#: 4**  
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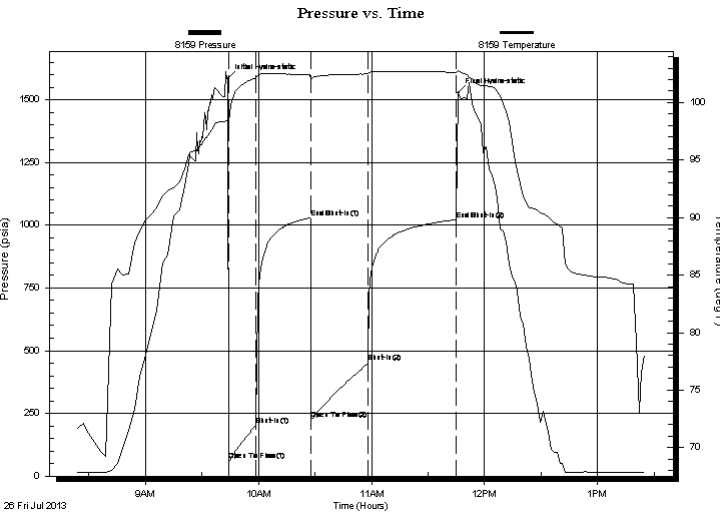
## GENERAL INFORMATION:

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 Time Tool Opened: 09:44:30  
 Time Test Ended: 13:24:30  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-Great Bend-40  
 Interval: **3206.00 ft (KB) To 3214.00 ft (KB) (TVD)**  
 Reference Elevations: 1968.00 ft (KB)  
 Total Depth: 3214.00 ft (KB) (TVD)  
 1958.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 10.00 ft

## Serial #: 8159

Press@RunDepth: 1022.00 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.07.26 End Date: 2013.07.26 Last Calib.: 2013.07.26  
 Start Time: 08:23:00 End Time: 13:25:00 Time On Btm: 2013.07.26 @ 09:43:40  
 Time Off Btm: 2013.07.26 @ 11:46:00

TEST COMMENT: 1st Opening 15 Minutes-Strong blow built bottom of bucket in 2 1/2 minutes  
 1st Shut-in 30 Minutes-No blow back  
 2nd Opening 30 Minutes-Strong blow built bottom of bucket in 2 1/2 minutes  
 2nd Shut-in 45 Minutes-No blow back



## PRESSURE SUMMARY

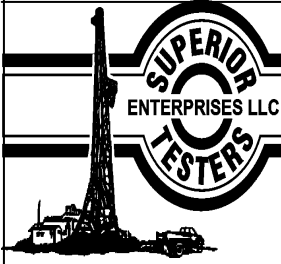
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1584.75	98.41	Initial Hydro-static
1	61.44	98.22	Open To Flow (1)
15	202.94	102.12	Shut-In(1)
44	1029.41	102.48	End Shut-In(1)
45	225.68	102.09	Open To Flow (2)
75	453.25	102.50	Shut-In(2)
122	1022.00	102.65	End Shut-In(2)
123	1527.80	102.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
600.00	water	8.42
0.00	chlorides 90,000 resistivity .7@65degree	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

L B Exploration  
 2135 2nd Rd Holyrood KS 67450 + 9021  
 ATTN: Steven Peterman

**27-16-14 Barton**  
**Eveleigh 27#1**  
 Job Ticket: 17016      **DST#: 4**  
 Test Start: 2013.07.26 @ 08:23:00

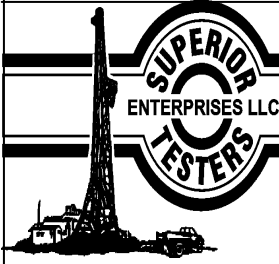
**Tool Information**

Drill Pipe:	Length: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 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:	52000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3206.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	28.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut-In Tool	5.00			3191.00	
Hydraulic Tool	5.00			3196.00	
Packer	5.00			3201.00	20.00      Bottom Of Top Packer
Packer	5.00			3206.00	
Anchor	3.00			3209.00	
Recorder	1.00	6731	Inside	3210.00	
Recorder	1.00	8159	Outside	3211.00	
Bullnose	3.00			3214.00	8.00      Bottom Packers & Anchor

**Total Tool Length: 28.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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Test Start: 2013.07.26 @ 08:23:00

### 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	water	8.416
0.00	chlorides 90,000 resistivity .7@65degree	0.000

Total Length: 600.00 ft      Total Volume: 8.416 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: chlorides 90,000 resistivity .7@65degrees

