



## 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: 2013.07.25 @ 18:30:00

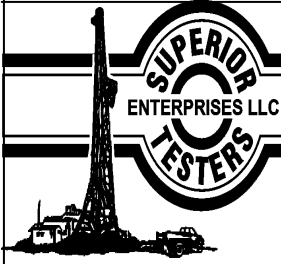
End Date: 2013.07.26 @ 01:23:00

Job Ticket #: 17015                      DST #: 3

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

Printed: 2013.07.26 @ 02:00:20





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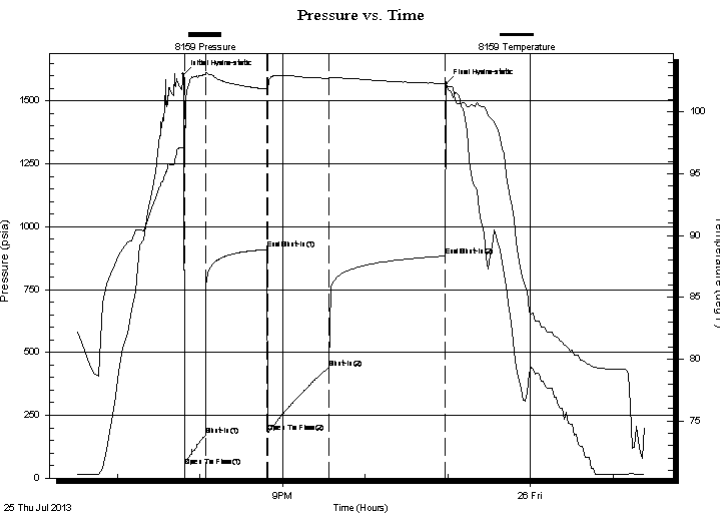
## GENERAL INFORMATION:

Formation: **Lansing " A " zone**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 19:49:30  
 Time Test Ended: 01:23:00  
**Interval: 3187.00 ft (KB) To 3202.00 ft (KB) (TVD)**  
 Total Depth: 3202.00 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-  
 Reference Elevations: 1968.00 ft (KB)  
 1958.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8159

Press@RunDepth: 882.68 psia @      ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2013.07.25      End Date: 2013.07.26      Last Calib.: 2013.07.26  
 Start Time: 18:30:00      End Time: 01:23:30      Time On Btm: 2013.07.25 @ 19:48:00  
 Time Off Btm: 2013.07.25 @ 22:59:00

**TEST COMMENT:** 1st Opening 15 Minutes-Strong blow built bottom of bucket in 3 Minutes  
 1st Shut-in 45 Minutes-3 inch blow back  
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 3 1/2 minutes  
 2nd Shut-in 90 Minutes-1 inch from bottom of bucket



## PRESSURE SUMMARY

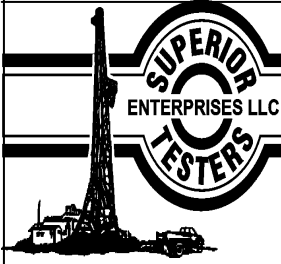
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1605.89	97.21	Initial Hydro-static
1	48.48	96.88	Open To Flow (1)
16	168.95	103.03	Shut-In(1)
61	909.48	101.87	End Shut-In(1)
62	182.45	101.92	Open To Flow (2)
106	439.01	102.72	Shut-In(2)
190	882.68	102.28	End Shut-In(2)
191	1568.75	102.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
600.00	spot oil cut w ater 2%oil 98%w ater	8.42
120.00	oil cut w ater 10%oil 90% w ater	1.68
0.00	5 feet clean oil on top 180 feet gas in	0.00
0.00	chlorides 110,000 resistivity .6 @65 deg	0.00

## Gas Rates

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



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**TOOL DIAGRAM**

L B Exploration  
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 Test Start: 2013.07.25 @ 18:30:00

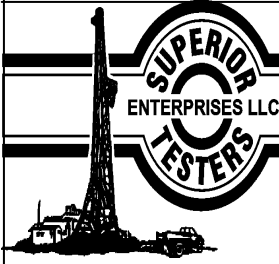
**Tool Information**

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:	23.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3187.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	5.00 ft				
Tool Length:	25.00 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			3172.00	
Hydraulic Tool	5.00			3177.00	
Packer	5.00			3182.00	20.00      Bottom Of Top Packer
Packer	5.00			3187.00	
Anchor	0.00			3187.00	
Recorder	1.00	6731	Inside	3188.00	
Recorder	1.00	8159	Outside	3189.00	
Bullnose	3.00			3192.00	5.00      Bottom Packers & Anchor

**Total Tool Length: 25.00**



# DRILL STEM TEST REPORT

## 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	spot oil cut w ater 2%oil 98%w ater	8.416
120.00	oil cut w ater 10%oil 90% w ater	1.683
0.00	5 feet clean oil on top 180 feet gas in	0.000
0.00	chlorides 110,000 resistivity .6 @65 deg	0.000

Total Length: 720.00 ft      Total Volume: 10.099 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: chlorides 110,000

