



## DRILL STEM TEST REPORT

Prepared For: **L B Exploration Inc**

2135 2nd Rd Holyrood KS 67450+9021

ATTN: Steven Petermann

**J Paul Magnison 26#1**

**26-33-13 Barber**

Start Date: 2013.04.03 @ 15:15:00

End Date: 2013.04.03 @ 22:16:00

Job Ticket #: 17400                      DST #: 1

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

Printed: 2013.04.03 @ 22:31:53



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 Test Start: 2013.04.03 @ 15:15:00

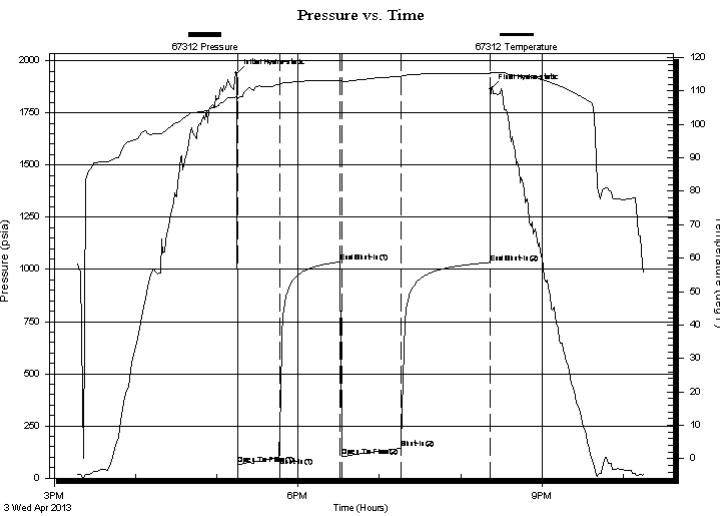
## GENERAL INFORMATION:

Formation: **Snyderville**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 17:15:30 Tester: Jared Scheck  
 Time Test Ended: 22:16:00 Unit No: 3320 -Pratt-100  
 Interval: **3791.00 ft (KB) To 3852.00 ft (KB) (TVD)** Reference Elevations: 1625.00 ft (KB)  
 Total Depth: 3852.00 ft (KB) (TVD) 1613.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

## Serial #: 67312

Press@RunDepth: 143.28 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.04.03 End Date: 2013.04.03 Last Calib.: 2013.04.03  
 Start Time: 15:15:00 End Time: 22:16:00 Time On Btm: 2013.04.03 @ 17:14:30  
 Time Off Btm: 2013.04.03 @ 20:22:30

**TEST COMMENT:** 1st Opening 30 Minutes-Fair blow built 8 1/2 inches into bucket w ater in 30 minutes  
 1st Shut-in 45 Minutes-No blow back  
 2nd Opening 45 Minutes-Weak blow built 7 1/2 inches into bucket w ater in 45 minutes  
 2nd Shut-in 60 Minutes-No blow back



## PRESSURE SUMMARY

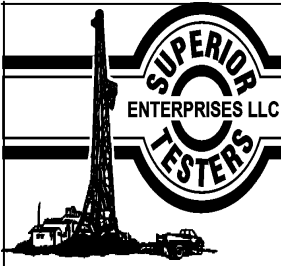
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1939.66	108.29	Initial Hydro-static
1	64.92	108.05	Open To Flow (1)
32	99.22	111.94	Shut-In(1)
77	1035.92	113.18	End Shut-In(1)
78	103.91	112.84	Open To Flow (2)
122	143.28	114.35	Shut-In(2)
187	1033.68	115.25	End Shut-In(2)
188	1865.73	115.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy water 40%mud 60%w ater	2.52
0.00	chlorides 60,000 resistivity .1 @60degre	0.00

## Gas Rates

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



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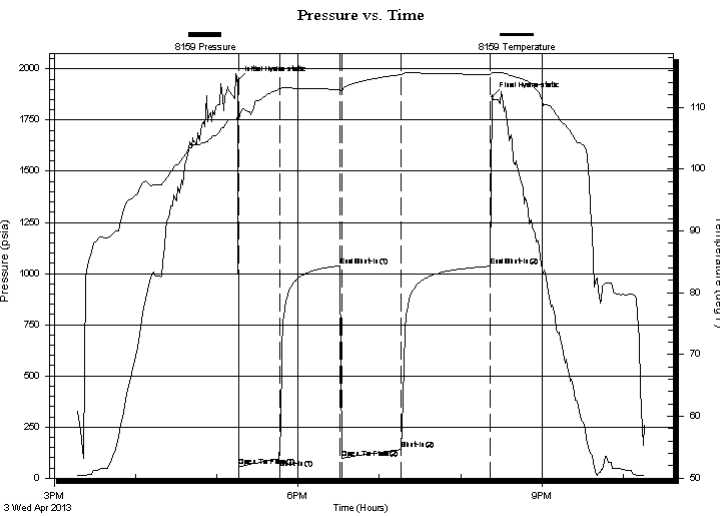
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 Total Depth: 3852.00 ft (KB) (TVD) 1613.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

## Serial #: 8159

Press@RunDepth: 1035.29 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.04.03 End Date: 2013.04.03 Last Calib.: 2013.04.03  
 Start Time: 15:15:00 End Time: 22:16:00 Time On Btm: 2013.04.03 @ 17:15:00  
 Time Off Btm: 2013.04.03 @ 20:23:30

**TEST COMMENT:** 1st Opening 30 Minutes-Fair blow built 8 1/2 inches into bucket w ater in 30 minutes  
 1st Shut-in 45 Minutes-No blow back  
 2nd Opening 45 Minutes-Weak blow built 7 1/2 inches into bucket w ater in 45 minutes  
 2nd Shut-in 60 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1942.74	108.48	Initial Hydro-static
1	56.53	108.00	Open To Flow (1)
31	93.65	112.96	Shut-In(1)
76	1037.86	112.86	End Shut-In(1)
77	96.45	112.62	Open To Flow (2)
121	139.79	115.29	Shut-In(2)
187	1035.29	115.29	End Shut-In(2)
189	1864.12	115.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy water 40% mud 60% w ater	2.52
0.00	chlorides 60,000 resistivity .1 @60degre	0.00

## Gas Rates

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



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**TOOL DIAGRAM**

L B Exploration Inc  
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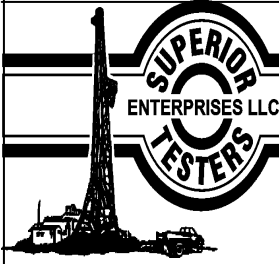
**Tool Information**

Drill Pipe:	Length: 3794.00 ft	Diameter: 3.80 inches	Volume: 53.22 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: 60000.00 lb
			<u>Total Volume: 53.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3791.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3776.00	
Hydraulic Tool	5.00			3781.00	
Packer	5.00			3786.00	20.00 Bottom Of Top Packer
Packer	5.00			3791.00	
Anchor	1.00			3792.00	
Change Over Sub	0.75			3792.75	
Drill Pipe	31.50			3824.25	
Change Over Sub	0.75			3825.00	
Anchor	22.00			3847.00	
Recorder	1.00	6731	Inside	3848.00	
Recorder	1.00	8159	Outside	3849.00	
Bullnose	3.00			3852.00	61.00 Bottom Packers & Anchor

**Total Tool Length: 81.00**



# 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:	49.00 sec/qt	Cushion Volume:	bbbl		
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 bbbl
180.00	Muddy w ater 40%mud 60%w ater	2.525
0.00	chlorides 60,000 resistivity .1 @60degre	0.000

Total Length: 180.00 ft      Total Volume: 2.525 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: chlorides 60,000 resistivity .1@60degrees

