



## DRILL STEM TEST REPORT

Prepared For: **L B Exloration Inc.**

2135 2nd Road Holyrood  
Kansas 67450

ATTN: Steven Peterman

### **Jezek #2**

#### **21-16s-10w-Ellsworth**

Start Date: 2013.02.18 @ 06:45:00

End Date: 2013.02.18 @ 13:09:30

Job Ticket #: 17423                      DST #: 2

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

Printed: 2013.02.19 @ 01:25:28



# DRILL STEM TEST REPORT

L B Exloration Inc.

**21-16s-10w-Ellsworth**

2135 2nd Road Holyrood  
Kansas 67450

**Jezeq #2**

Job Ticket: 17423

**DST#: 2**

ATTN: Steven Peterman

Test Start: 2013.02.18 @ 06:45:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:30:30

Time Test Ended: 13:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-80

**Interval: 3330.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Reference Elevations: 1882.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

1871.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 6839 Outside**

Press@RunDepth: 62.33 psia @ 3347.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.02.18 End Date: 2013.02.18

Last Calib.: 2013.02.19

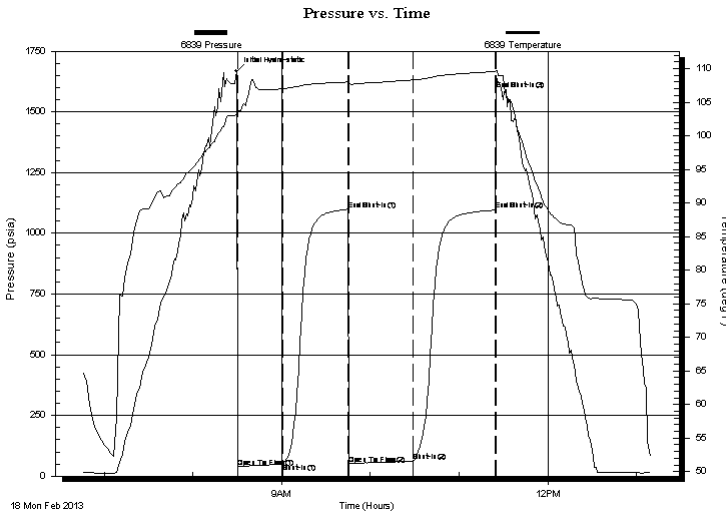
Start Time: 06:45:00 End Time: 13:09:30

Time On Btm: 2013.02.18 @ 08:29:30

Time Off Btm:

**TEST COMMENT:** 1st Open 30 minutes Fair building blow buit to 2 inches .  
1st Shut in 45 minutes No blow back  
2nd Open 45 minutes Weak surface blow through out.  
2nd Shut in 60 minutes No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1667.44	103.28	Initial Hydro-static
1	36.86	103.53	Open To Flow (1)
32	51.53	107.01	Shut-In(1)
75	1098.62	108.01	End Shut-In(1)
76	50.62	107.73	Open To Flow (2)
120	62.33	108.32	Shut-In(2)
175	1095.80	109.58	End Shut-In(2)
176	1593.13	109.73	End Shut-In(3)

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil 100%	0.07
65.00	Oil cut mud 65%Oil 35%Mud	0.91

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



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Time Test Ended: 13:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-80

**Interval: 3330.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Reference Elevations: 1882.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

1871.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8524 Inside**

Press@RunDepth: 1073.64 psia @ 3346.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.02.18 End Date: 2013.02.18

Last Calib.: 2013.02.19

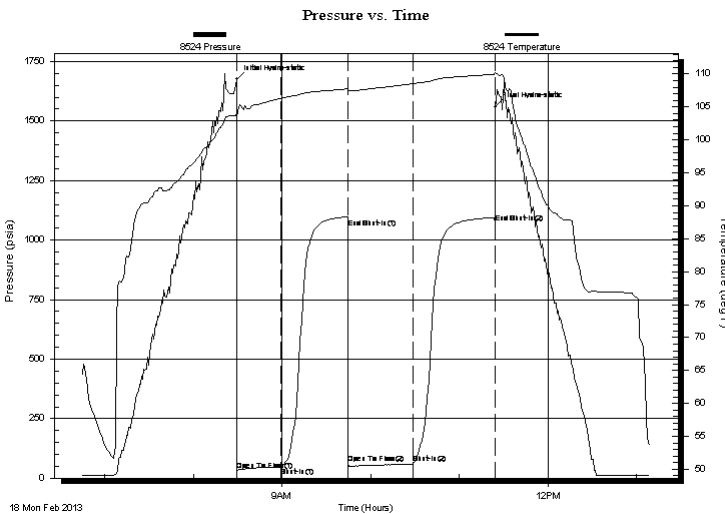
Start Time: 06:45:00 End Time: 13:09:28

Time On Btm: 2013.02.18 @ 08:29:31

Time Off Btm: 2013.02.18 @ 11:24:16

**TEST COMMENT:** 1st Open 30 minutes Fair building blow buit to 2 inches .  
1st Shut in 45 minutes No blow back  
2nd Open 45 minutes Weak surface blow through out.  
2nd Shut in 60 minutes No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1674.57	104.10	Initial Hydro-static
1	33.25	103.39	Open To Flow (1)
30	46.90	106.31	Shut-In(1)
76	1052.83	107.72	End Shut-In(1)
76	61.79	107.39	Open To Flow (2)
120	62.00	108.55	Shut-In(2)
175	1073.64	109.97	End Shut-In(2)
175	1558.84	110.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil 100%	0.07
65.00	Oil cut mud 65%Oil 35%Mud	0.91

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

L B Exloration Inc.

**21-16s-10w-Ellsworth**

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**Jezek #2**

Job Ticket: 17423

**DST#:2**

ATTN: Steven Peterman

Test Start: 2013.02.18 @ 06:45:00

## Tool Information

Drill Pipe:	Length: 3320.00 ft	Diameter: 3.80 inches	Volume: 46.57 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3330.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3315.00	
Hydraulic Tool	5.00			3320.00	
Packer	5.00			3325.00	20.00 Bottom Of Top Packer
Packer	5.00			3330.00	
Anchor	15.00			3345.00	
Recorder	1.00	8524	Inside	3346.00	
Recorder	1.00	6839	Outside	3347.00	
Bullnose	3.00			3350.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 40.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.00 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Clean Oil 100%	0.070
65.00	Oil cut mud 65%Oil 35%Mud	0.912

Total Length: 70.00 ft      Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

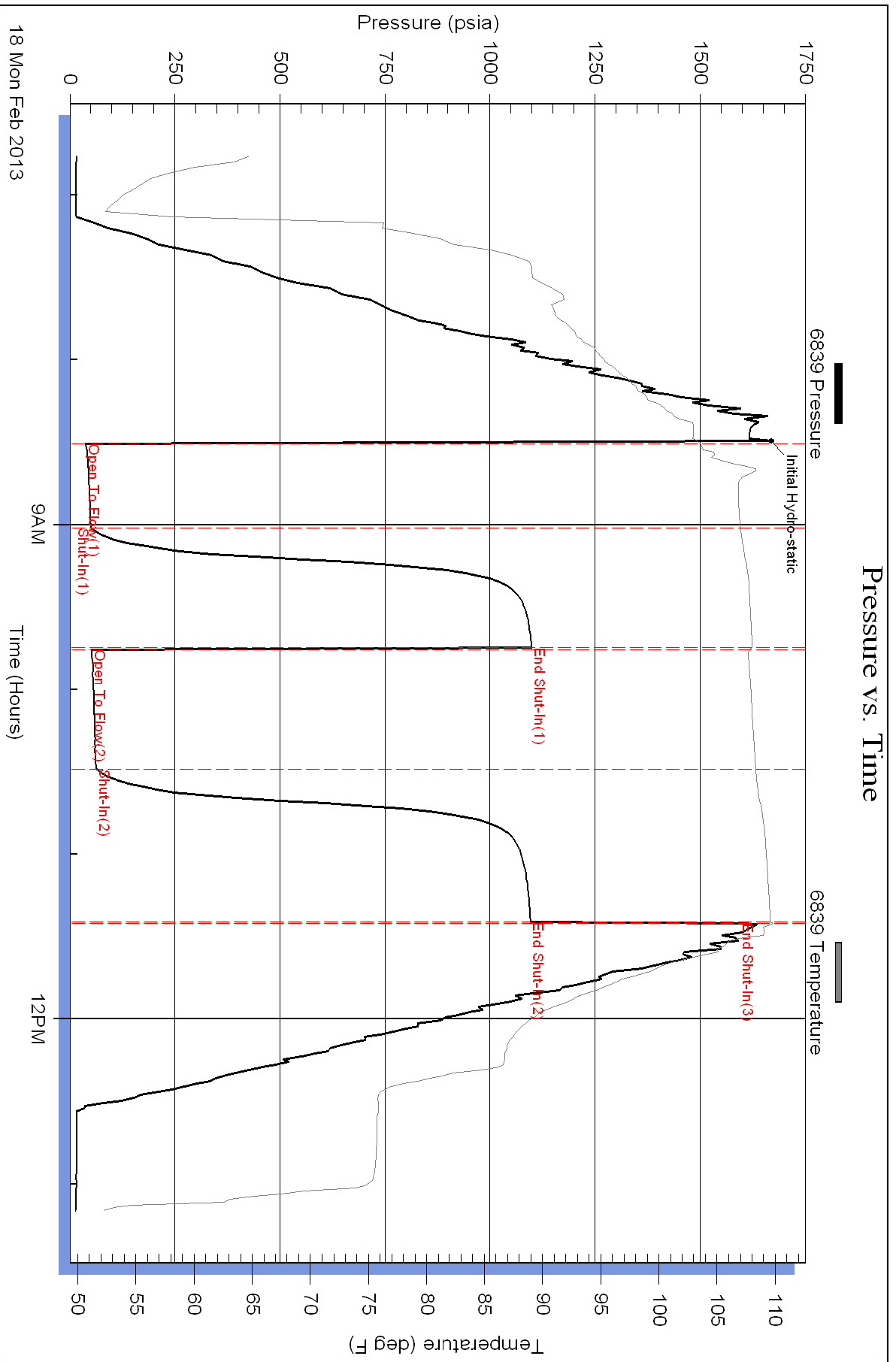
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



### Pressure vs. Time

