



## DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas  
67525

ATTN: Jim Muscrow

**Doll#3**

**27-18s-11w-Barton**

Start Date: 2013.03.09 @ 04:25:00

End Date: 2013.03.09 @ 10:06:30

Job Ticket #: 17428                      DST #: 2

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

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 Po Box 256 Claflin Kansas  
 67525  
 ATTN: Jim Muscrow

**27-18s-11w-Barton**  
**Doll#3**  
 Job Ticket: 17428 **DST#: 2**  
 Test Start: 2013.03.09 @ 04:25:00

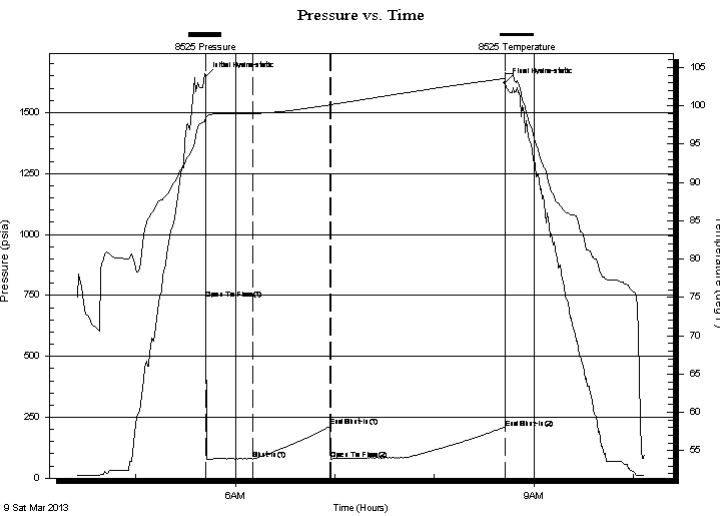
## GENERAL INFORMATION:

Formation: **Lansing HI-J-K**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 05:43:00 Tester: Dustin Ellis  
 Time Test Ended: 10:06:30 Unit No: 3315-Great Bend-49  
 Interval: **3091.00 ft (KB) To 3200.00 ft (KB) (TVD)** Reference Elevations: 1784.00 ft (KB)  
 Total Depth: 3200.00 ft (KB) (TVD) 1775.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

## Serial #: 8525

Press@RunDepth: 206.06 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.03.09 End Date: 2013.03.09 Last Calib.: 2013.03.09  
 Start Time: 04:25:00 End Time: 10:07:14 Time On Btm: 2013.03.09 @ 05:42:23  
 Time Off Btm: 2013.03.09 @ 08:42:27

TEST COMMENT: 1st Open 30 minutes Weak surface blow built to 1.5 inches.  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Fair blow built to 6 inches into the water.  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1649.24	98.78	Initial Hydro-static
1	735.85	98.39	Open To Flow (1)
29	78.94	98.98	Shut-In(1)
75	211.72	100.14	End Shut-In(1)
76	77.77	100.15	Open To Flow (2)
181	206.06	103.57	End Shut-In(2)
181	1622.30	104.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil spotted mud 10% mud	0.21

## Gas Rates

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



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**TOOL DIAGRAM**

RJM Company  
 Po Box 256 Claflin Kansas  
 67525  
 A T T N : Jim Muscrow

**27-18s-11w-Barton**  
**Doll#3**  
 Job Ticket: 17428      **DST#:2**  
 Test Start: 2013.03.09 @ 04:25:00

**Tool Information**

Drill Pipe:	Length: 3081.00 ft	Diameter: 3.80 inches	Volume: 43.22 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: 42000.00 lb
			<u>Total Volume: 43.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3091.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	109.71 ft			
Tool Length:	129.71 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			3076.00	
Hydraulic Tool	5.00			3081.00	
Packer	5.00			3086.00	20.00      Bottom Of Top Packer
Packer	5.00			3091.00	
Anchor	5.00			3096.00	
Change Over Sub	0.75			3096.75	
Drill Pipe	65.21			3161.96	
Change Over Sub	0.75			3162.71	
Anchor	33.00			3195.71	
Recorder	1.00	8524	Inside	3196.71	
Recorder	1.00	6839	Outside	3197.71	
Bullnose	3.00			3200.71	109.71      Bottom Packers & Anchor

**Total Tool Length: 129.71**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

RJM Company

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Po Box 256 Claflin Kansas  
67525

**Doll#3**

Job Ticket: 17428

**DST#:2**

ATTN: Jim Muscrow

Test Start: 2013.03.09 @ 04:25:00

### 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Oil spotted mud 10% mud	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

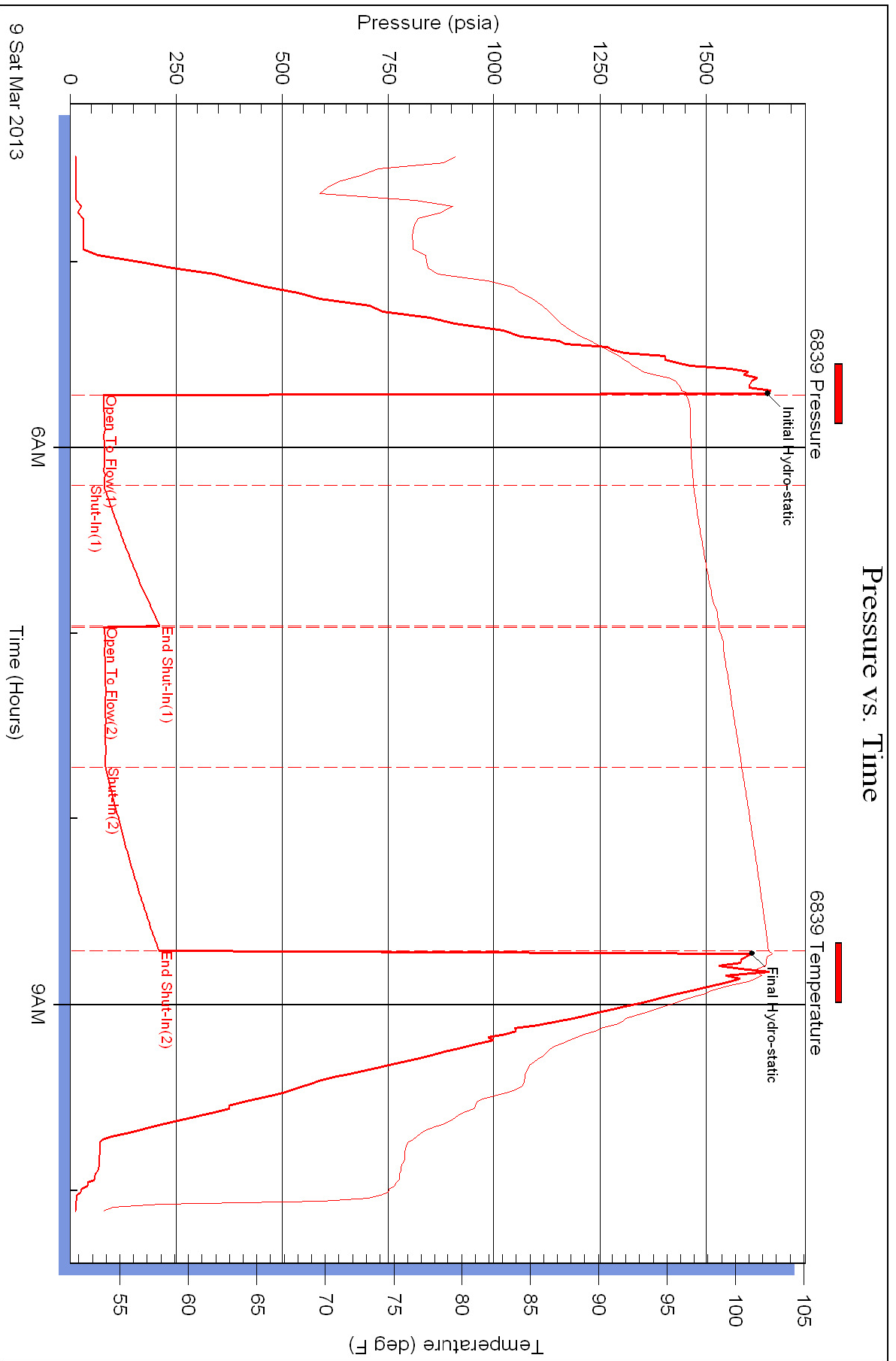
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time

