



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 east Central Suite 100  
Wichita, Kansas 67206

ATTN: Rene Husted

### **Button "A" Unit #1-24**

#### **29-19s-15w Barton**

Start Date: 2012.09.06 @ 00:00:00

End Date: 2012.09.06 @ 00:00:00

Job Ticket #: 17794                      DST #: 5

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

Printed: 2012.09.06 @ 02:47:31



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Test Start: 2012.09.06 @ 00:00:00

## GENERAL INFORMATION:

Formation: **Kansas City "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

**Interval: 338.00 ft (KB) To 3394.00 ft (KB) (TVD)**

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3394.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6838 Inside**

Press @ RunDepth: 92.30 psia @ 3390.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.06

End Date: 2012.09.06

Last Calib.: 2012.09.06

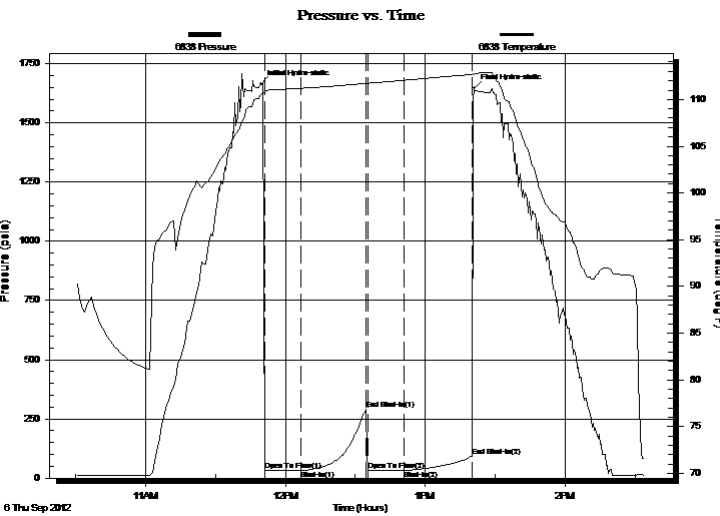
Start Time: 10:30:00

End Time: 14:34:00

Time On Btm: 2012.09.06 @ 11:49:30

Time Off Btm: 2012.09.06 @ 13:21:00

**TEST COMMENT:** 1st Opening 15 Minutes-Weak blow died in 6 minutes  
1st Shut-In 30 Minutes-No blow back  
2nd Opening 15 Minutes-No blow  
2nd Shut-In 30 Minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1663.65	110.55	Initial Hydro-static
2	31.62	110.81	Open To Flow (1)
17	32.35	111.19	Shut-In(1)
45	292.20	111.76	End Shut-In(1)
46	32.35	111.74	Open To Flow (2)
62	32.08	112.06	Shut-In(2)
91	92.30	112.68	End Shut-In(2)
92	1645.32	112.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud	0.14

## Gas Rates

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



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Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

**Interval: 338.00 ft (KB) To 3394.00 ft (KB) (TVD)**

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3394.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6839 Outside**

Press @ Run Depth: 91.14 psia @ 3391.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.06

End Date: 2012.09.06

Last Calib.: 2012.09.06

Start Time: 10:30:00

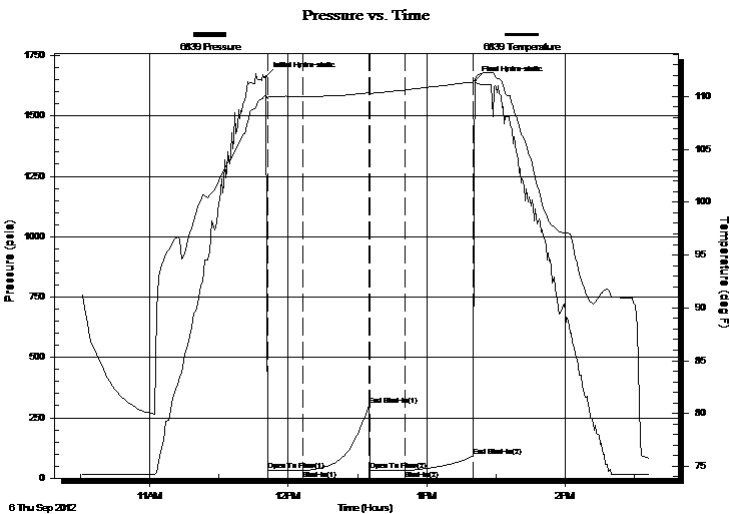
End Time: 14:36:30

Time On Btm: 2012.09.06 @ 11:50:30

Time Off Btm: 2012.09.06 @ 13:21:00

**TEST COMMENT:** 1st Opening 15 Minutes-Weak blow died in 6 minutes  
1st Shut-In 30 Minutes-No blow back  
2nd Opening 15 Minutes-No blow  
2nd Shut-In 30 Minutes

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1661.17	110.21	Initial Hydro-static
1	31.48	109.82	Open To Flow (1)
16	32.01	110.03	Shut-In(1)
45	302.04	110.37	End Shut-In(1)
45	31.98	110.31	Open To Flow (2)
60	32.06	110.62	Shut-In(2)
90	91.14	111.37	End Shut-In(2)
91	1645.54	111.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud	0.14

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company L.L.C.

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Job Ticket: 17794

**DST#: 5**

ATTN: Rene Husted

Test Start: 2012.09.06 @ 00:00:00

## Tool Information

Drill Pipe:	Length: 3378.00 ft	Diameter: 3.80 inches	Volume: 47.38 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: 2000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 47.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3381.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 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			3358.00	
Hydraulic Tool	5.00			3363.00	
Jars	6.00			3369.00	
Safety Joint	2.00			3371.00	
Packer	5.00			3376.00	28.00 Bottom Of Top Packer
Packer	5.00			3381.00	
Perforations	8.00			3389.00	
Recorder	1.00	6838	Inside	3390.00	
Recorder	1.00	6839	Outside	3391.00	
Bull Plug	3.00			3394.00	13.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



# 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: 47.00 sec/qt  
Water Loss: 10.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psia

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling mud	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

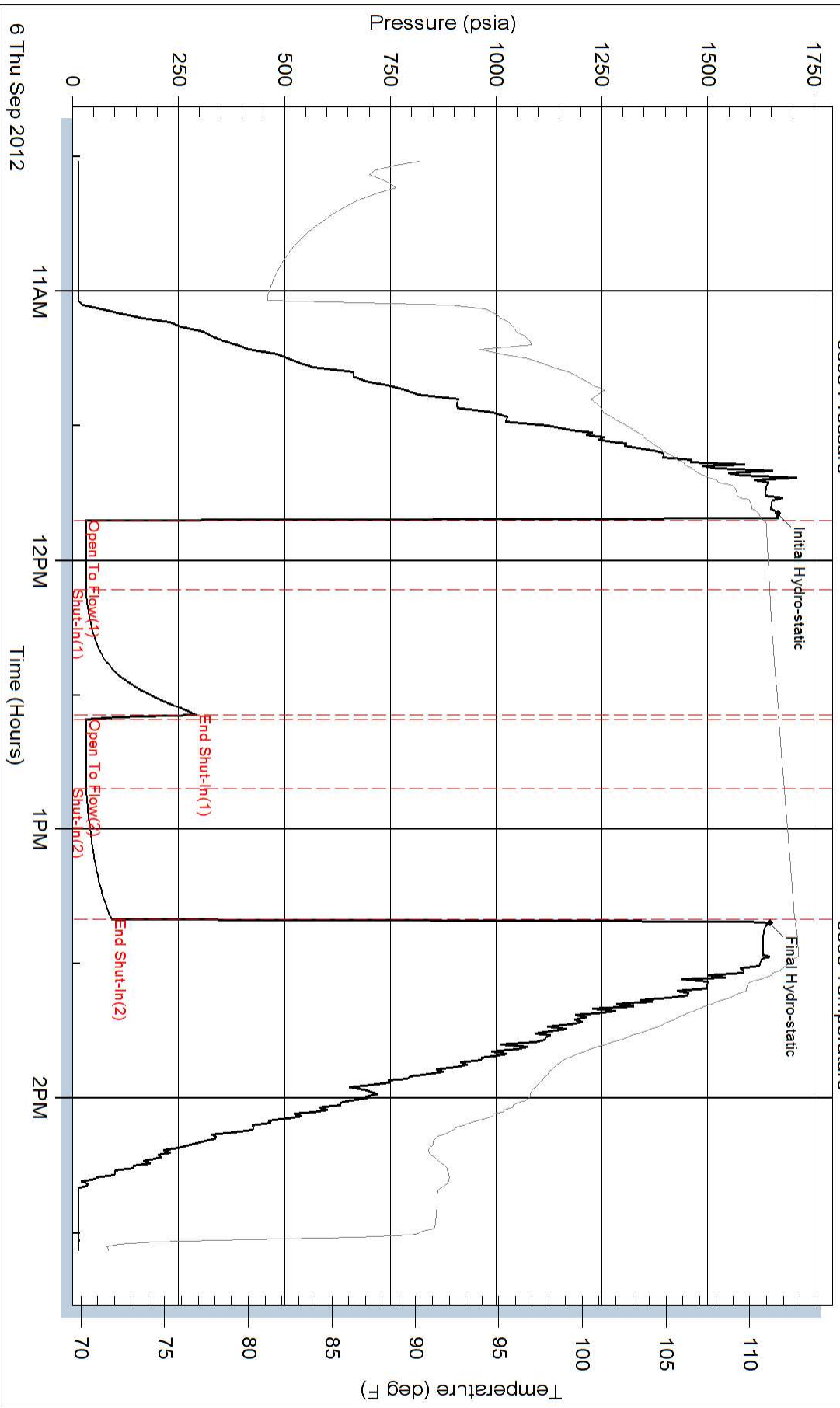
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time

