



## DRILL STEM TEST REPORT

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

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

**21-21s-14w Stafford**

**Bayer East #3**

Start Date: 2011.03.15 @ 02:55:00

End Date: 2011.03.15 @ 00:00:00

Job Ticket #: 15777                      DST #: 1

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

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 Job Ticket: 15777 **DST#: 1**  
 Test Start: 2011.03.15 @ 02:55:00

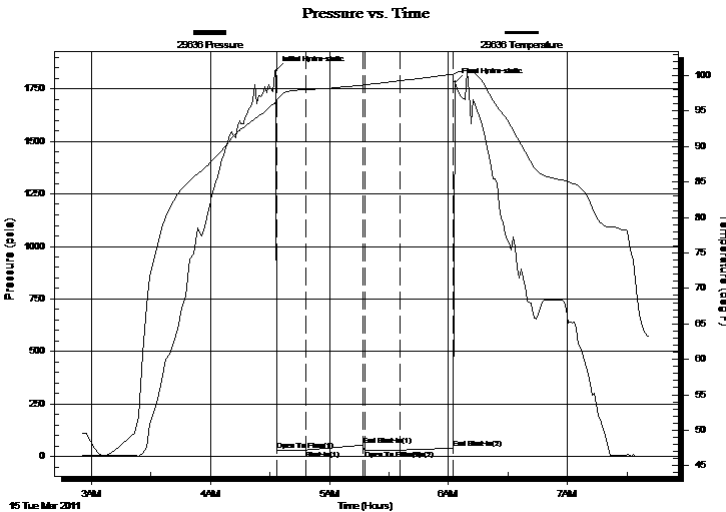
## GENERAL INFORMATION:

Formation: **Kansas City "I"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3555.00 ft (KB) To 3570.00 ft (KB) (TVD)**  
 Total Depth: 3570.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gene Budig  
 Unit No: 3335-29  
 Reference Elevations: 1943.00 ft (KB)  
 1935.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 29636 Inside**  
 Press @ RunDepth: 40.19 psia @ 3566.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2011.03.15 End Date: 2011.03.15 Last Calib.: 2011.03.15  
 Start Time: 02:55:00 End Time: 07:41:30 Time On Btm: 2011.03.15 @ 04:33:00  
 Time Off Btm: 2011.03.15 @ 06:03:30

**TEST COMMENT:** 1st Opening 15 Minutes-Weak blow for 2 minutes and died  
 1sy Shut-In 30 Minutes-no blow back  
 2nd Opening 15 Minutes -No blow  
 2nd Shut-In 30 Minutes-no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1835.40	96.32	Initial Hydro-static
1	27.95	96.59	Open To Flow (1)
15	30.85	98.05	Shut-In(1)
44	54.57	98.69	End Shut-In(1)
45	30.32	98.72	Open To Flow (2)
63	30.95	99.29	Shut-In(2)
90	40.19	100.20	End Shut-In(2)
91	1781.19	100.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drilling Mud	0.01

## Gas Rates

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



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**TOOL DIAGRAM**

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## Tool Information

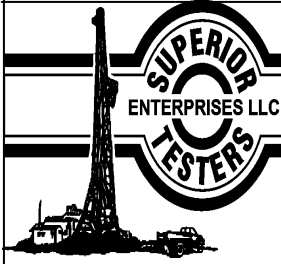
Drill Pipe:	Length: 3544.00 ft	Diameter: 3.80 inches	Volume: 49.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 49.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3555.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3527.00	
Shut-In Tool	5.00			3532.00	
Hydroic Tool	5.00			3537.00	
Jars	6.00			3543.00	
Safety Joint	2.00			3545.00	
Packer	5.00			3550.00	29.00 Bottom Of Top Packer
Packer	5.00			3555.00	
Perforations	10.00			3565.00	
Recorder	1.00	95172	Inside	3566.00	
Recorder	1.00		Outside	3567.00	
Bullnose	3.00			3570.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**



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**FLUID SUMMARY**

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ATTN: Ryan Greenbaum

Test Start: 2011.03.15 @ 02:55:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 9.20 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7700.00 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
1.00	Drilling Mud	0.014

Total Length: 1.00 ft      Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

