



## DRILL STEM TEST REPORT

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

9431 E Central STE 100 Wichita KS  
67206+2563

ATTN: Ryan Greenbaum

### **Deines #1-22**

#### **22-19s-15w Baton**

Start Date: 2012.03.16 @ 12:00:00

End Date: 2012.03.16 @ 18:40:00

Job Ticket #: 17128                      DST #: 5

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

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Test Start: 2012.03.16 @ 12:00:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:02:30

Time Test Ended: 18:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-20

**Interval: 3605.00 ft (KB) To 3615.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3615.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8524

Press @ RunDepth: 32.91 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.16

End Date: 2012.03.16

Last Calib.: 2012.03.16

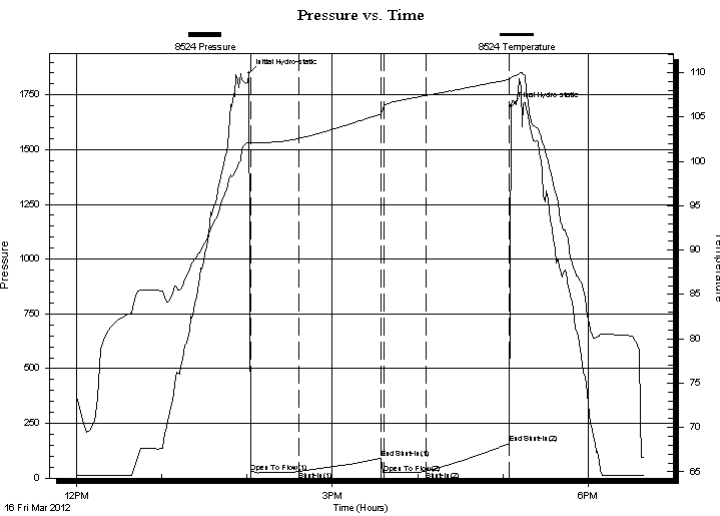
Start Time: 12:00:00

End Time: 18:40:00

Time On Btm: 2012.03.16 @ 14:01:30

Time Off Btm: 2012.03.16 @ 17:05:30

**TEST COMMENT:** 1st Opening 30 Minutes-Weak blow built 3 inches into water in 30 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes  
 2nd Shut-in 60 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1849.27	102.12	Initial Hydro-static
1	28.79	101.95	Open To Flow (1)
35	30.85	102.57	Shut-In(1)
93	91.89	105.32	End Shut-In(1)
95	24.24	106.15	Open To Flow (2)
125	32.91	107.42	Shut-In(2)
183	158.07	109.24	End Shut-In(2)
184	1698.46	109.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.00

## Gas Rates

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



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1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8525

Press @ RunDepth: 158.07 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.16

End Date: 2012.03.16

Last Calib.: 2012.03.16

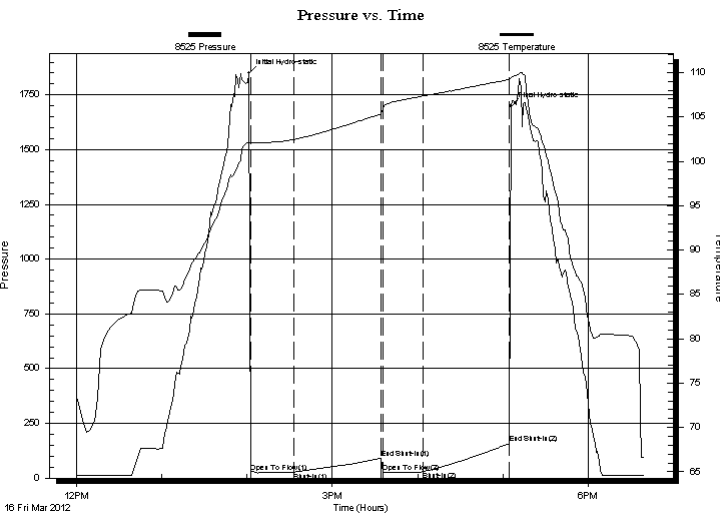
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93	91.89	105.32	End Shut-In(1)
94	26.64	105.97	Open To Flow (2)
123	29.52	107.36	Shut-In(2)
183	158.07	109.24	End Shut-In(2)
184	1698.46	109.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.00

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



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**TOOL DIAGRAM**

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Test Start: 2012.03.16 @ 12:00:00

## Tool Information

Drill Pipe:	Length: 3612.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 0.00 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3605.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	5.00 ft			
Tool Length:	20.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3595.00	
Hydraulic Tool	5.00			3600.00	
Packer	5.00			3605.00	15.00 Bottom Of Top Packer
Anchor	0.00			3605.00	
Recorder	1.00	8524	Inside	3606.00	
Recorder	1.00	8525	Outside	3607.00	
Bullnose	3.00			3610.00	5.00 Anchor Tool

**Total Tool Length: 20.00**



# 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: bbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.000

Total Length: 10.00 ft      Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

