



## 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: 2012.03.14 @ 12:00:00

End Date: 2012.03.14 @ 18:35:00

Job Ticket #: 17126                      DST #: 3

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

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Job Ticket: 17126

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Test Start: 2012.03.14 @ 12:00:00

## GENERAL INFORMATION:

Formation: **Goaram sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:32:30

Time Test Ended: 18:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-20

**Interval: 3593.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8524 Inside**

Press @ RunDepth: 25.10 psia @ 3596.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.14

End Date: 2012.03.14

Last Calib.: 2012.03.14

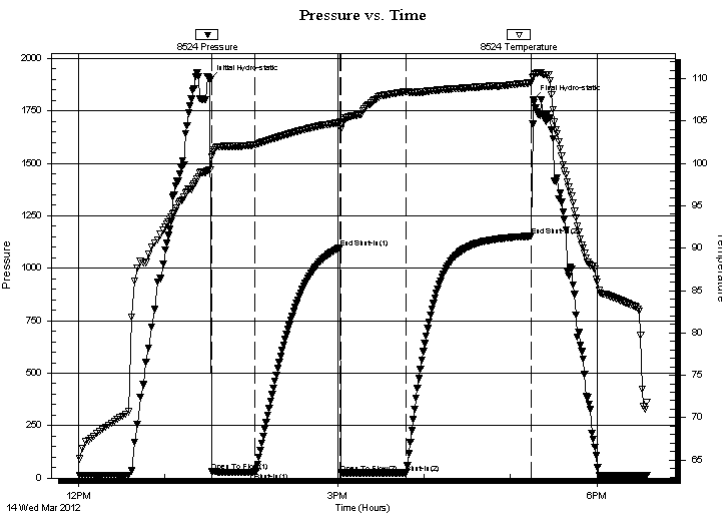
Start Time: 12:01:00

End Time: 18:35:00

Time On Btm: 2012.03.14 @ 13:31:30

Time Off Btm: 2012.03.14 @ 17:16:00

**TEST COMMENT:** 1st Opening 30 Minutes-Fair blow built bottom of bucket in 16 minutes  
 1st Shut-in 60 Minutes-2 inch blow back  
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 1 minutes  
 2nd Shut-in 90 Minutes-3 inch blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1899.53	99.27	Initial Hydro-static
1	33.38	100.77	Open To Flow (1)
31	27.72	102.20	Shut-In(1)
90	1097.36	104.87	End Shut-In(1)
91	24.58	104.05	Open To Flow (2)
136	25.10	108.48	Shut-In(2)
223	1153.20	109.52	End Shut-In(2)
225	1804.01	110.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.21
0.00	525 Gas in pipe	0.00

## Gas Rates

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



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Tester: Jared Scheck

Unit No: 3320-GB-20

**Interval: 3593.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8525

Press @ RunDepth: 1196.56 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.14

End Date: 2012.03.14

Last Calib.: 2012.03.14

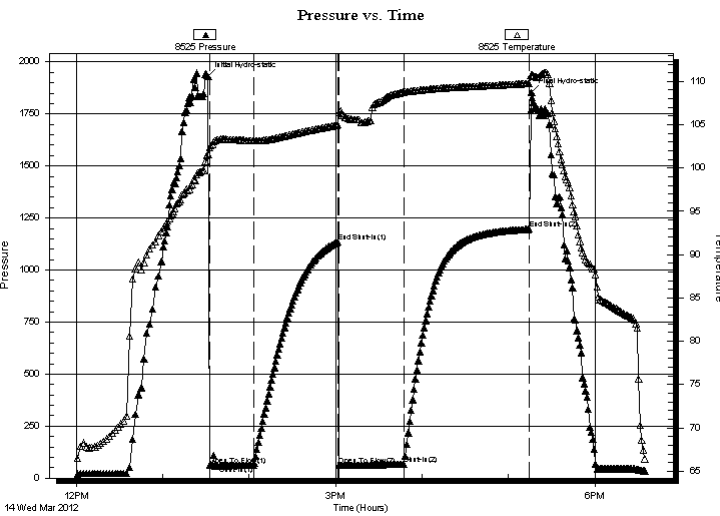
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## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1929.78	101.59	Initial Hydro-static
1	63.53	102.32	Open To Flow (1)
32	62.54	103.17	Shut-In(1)
90	1135.70	104.96	End Shut-In(1)
91	62.71	106.42	Open To Flow (2)
136	65.91	108.77	Shut-In(2)
223	1196.56	109.77	End Shut-In(2)
225	1852.98	110.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.21
0.00	525 Gas in pipe	0.00

## 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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**DST#: 3**

ATTN: Ryan Greenbaum

Test Start: 2012.03.14 @ 12:00:00

## Tool Information

Drill Pipe:	Length: 3574.00 ft	Diameter: 3.80 inches	Volume: 50.13 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 50.13 bbl</u>	Tool Chased 1000.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3593.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	35.00 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-InTool	5.00		Inside	3570.00	
Hydraulic Tool	5.00			3575.00	
Jars	6.00			3581.00	
Safety Joint	2.00			3583.00	
Packer	5.00			3588.00	28.00 Bottom Of Top Packer
Packer	5.00			3593.00	
Anchor	2.00			3595.00	
Recorder	1.00	8524	Inside	3596.00	
Recorder	1.00	8525	Outside	3597.00	
Bullnose	3.00			3600.00	7.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</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: 58.00 sec/qt  
Water Loss: 11.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3600.00 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
15.00	Mud	0.210
0.00	525 Gas in pipe	0.000

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:

