



## DRILL STEM TEST REPORT

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

9431 Eastr Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Rene Husted

### **Axman "A" Unit #2-24**

#### **23-17s-15w Barton**

Start Date: 2014.05.01 @ 00:00:00

End Date: 2014.05.01 @ 00:00:00

Job Ticket #: 19235                      DST #: 1

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

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Job Ticket: 19235

**DST#: 1**

ATTN: Rene Husted

Test Start: 2014.05.01 @ 00:00:00

## GENERAL INFORMATION:

Formation: **Kansas City "F" Zone**

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: 3280.00 ft (KB) To 3292.00 ft (KB) (TVD)**

Reference Elevations: 1914.00 ft (KB)

Total Depth: 3292.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6666 Inside**

Press@RunDepth: 42.35 psig @ 3288.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.05.01

End Date:

2014.05.01

Last Calib.:

2014.05.01

Start Time: 01:30:00

End Time:

06:24:30

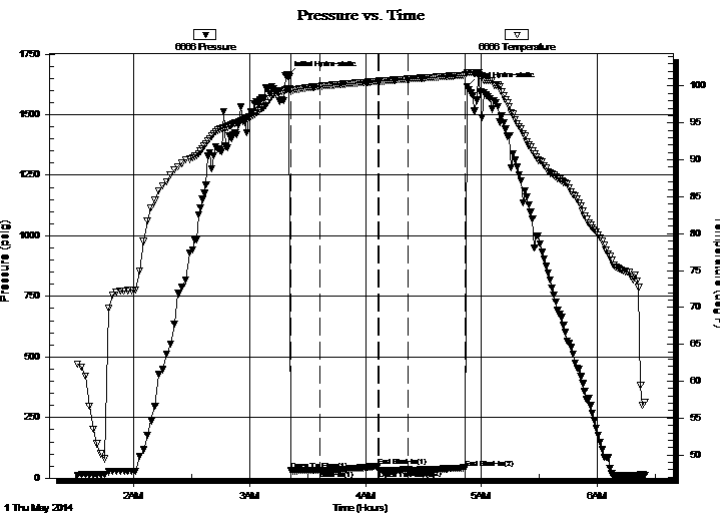
Time On Btm:

2014.05.01 @ 03:20:00

Time Off Btm:

2014.05.01 @ 04:52:30

**TEST COMMENT:** 1st Opening 15 Minutes-Very weak surface blow for 2 minutes and died  
 1st 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 (psig)	Temp (deg F)	Annotation
0	1660.14	99.64	Initial Hydro-static
2	31.16	99.36	Open To Flow (1)
17	32.35	99.96	Shut-In(1)
47	48.80	100.64	End Shut-In(1)
47	32.85	100.65	Open To Flow (2)
62	34.98	100.95	Shut-In(2)
92	42.35	101.47	End Shut-In(2)
93	1616.26	101.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Slightly oil spotted mud	0.01

## Gas Rates

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



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Job Ticket: 19235

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Time Test Ended: 00:00:00

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Tester: Gene Budig

Unit No: 3335

**Interval: 3280.00 ft (KB) To 3292.00 ft (KB) (TVD)**

Reference Elevations: 1914.00 ft (KB)

Total Depth: 3292.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8525 Outside**

Press@RunDepth: 44.06 psig @ 3289.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.05.01

End Date: 2014.05.01

Last Calib.: 2014.05.01

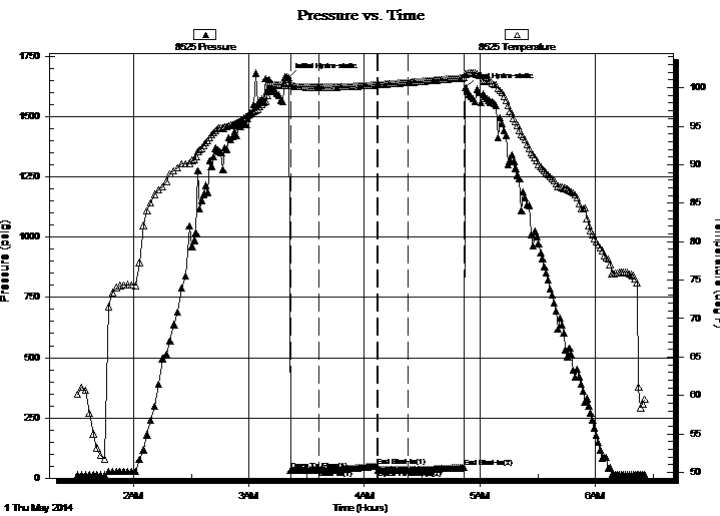
Start Time: 01:30:00

End Time: 06:26:00

Time On Btm: 2014.05.01 @ 03:20:30

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**TEST COMMENT:** 1st Opening 15 Minutes-Very weak surface blow for 2 minutes and died  
 1st 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 (psig)	Temp (deg F)	Annotation
0	1661.43	100.66	Initial Hydro-static
1	33.16	100.26	Open To Flow (1)
16	34.39	100.06	Shut-In(1)
46	50.43	100.39	End Shut-In(1)
47	34.98	100.39	Open To Flow (2)
62	36.88	100.69	Shut-In(2)
91	44.06	101.30	End Shut-In(2)
92	1621.47	101.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Slightly oil spotted mud	0.01

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

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

**23-17s-15w Barton**

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

**Axman "A" Unit #2-24**

Job Ticket: 19235

**DST#: 1**

ATTN: Rene Husted

Test Start: 2014.05.01 @ 00:00:00

## Tool Information

Drill Pipe:	Length: 3280.00 ft	Diameter: 3.80 inches	Volume: 46.01 bbl	Tool Weight:	lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 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:	58000.00 lb
			<u>Total Volume: 46.01 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3280.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	40.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3257.00	
Hydraulic Tool	5.00			3262.00	
Jars	6.00			3268.00	
Safety Joint	2.00			3270.00	
Top Packer	5.00			3275.00	
Packer	5.00			3280.00	28.00 Bottom Of Top Packer
Anchor	7.00			3287.00	
Recorder	1.00	6666	Inside	3288.00	
Recorder	1.00	8525	Outside	3289.00	
Bull Plug	3.00			3292.00	12.00 Anchor Tool
<b>Total Tool Length:</b>	<b>40.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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Test Start: 2014.05.01 @ 00:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 6.40 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Slightly oil spotted 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:

Serial #: 6666

Inside

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

Axman "A" Unit #2-24

DST Test Number: 1

