



## DRILL STEM TEST REPORT

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

9431 E Central St # 100 Wichita KS 67206

ATTN: Ryan Greenbaum

**Zimmer #1-20**

**20-19s-14w Barton**

Start Date: 2014.07.12 @ 14:08:00

End Date: 2014.07.12 @ 20:37:30

Job Ticket #: 19308                      DST #: 7

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

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**20-19s-14w Barton**

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Job Ticket: 19308

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ATTN: Ryan Greenbaum

Test Start: 2014.07.12 @ 14:08:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:36:30

Time Test Ended: 20:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -25

**Interval: 3540.00 ft (KB) To 3547.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8525

Press@RunDepth: 292.56 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.12

End Date: 2014.07.12

Last Calib.: 2014.07.12

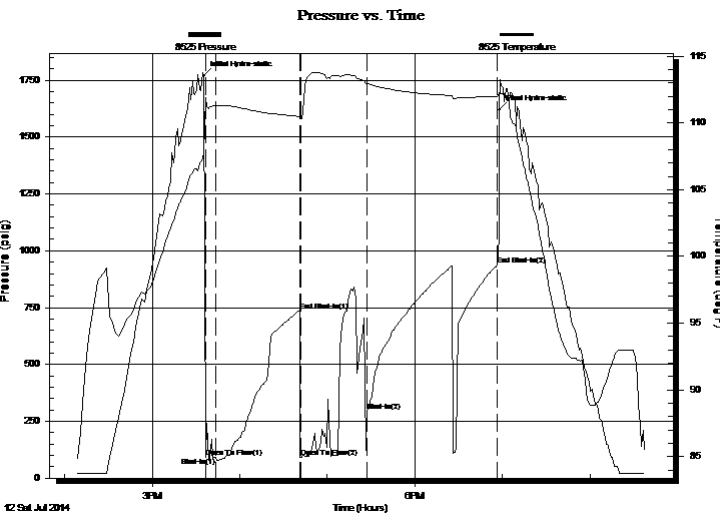
Start Time: 14:08:00

End Time: 20:37:30

Time On Btm: 2014.07.12 @ 15:35:30

Time Off Btm: 2014.07.12 @ 18:58:00

**TEST COMMENT:** 1st opening 5 Minutes-Fair blow built 3 inches from bottom of bucket in 5 minutes  
 1st Shut-in 60 Minutes-Very weak blow  
 2nd opening 45 Minutes-Weak blow built 1 1/2 inches died off flushed tool good surge did not build  
 2nd Shut-in 90 Minutes-



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.71	107.80	Initial Hydro-static
1	92.76	111.93	Open To Flow (1)
8	90.00	111.32	Shut-In(1)
66	736.89	110.48	End Shut-In(1)
67	92.25	110.34	Open To Flow (2)
112	292.56	113.01	Shut-In(2)
201	936.93	112.00	End Shut-In(2)
203	1619.82	112.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
115.00	mud	1.61

## Gas Rates

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



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Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -25

**Interval: 3540.00 ft (KB) To 3547.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8400

Press@RunDepth: 112.44 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.12

End Date: 2014.07.12

Last Calib.: 2014.07.12

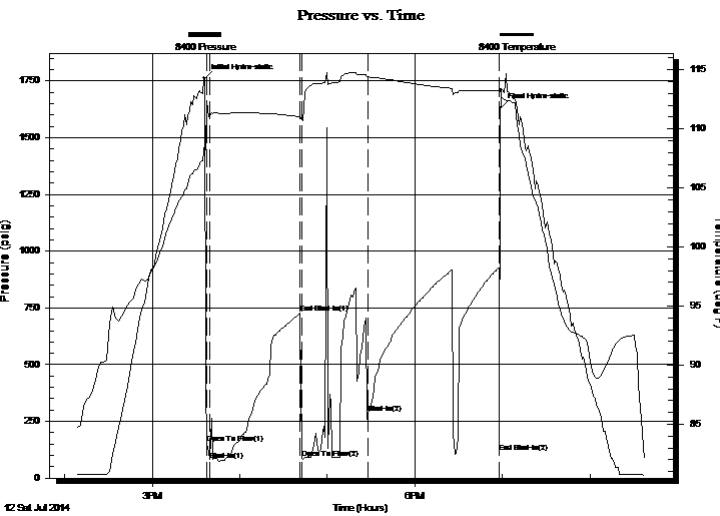
Start Time: 14:08:00

End Time: 20:38:00

Time On Btm: 2014.07.12 @ 15:36:00

Time Off Btm: 2014.07.12 @ 18:59:00

**TEST COMMENT:** 1st opening 5 Minutes-Fair blow built 3 inches from bottom of bucket in 5 minutes  
 1st Shut-in 60 Minutes-Very weak blow  
 2nd opening 45 Minutes-Weak blow built 1 1/2 inches died off flushed tool good surge did not build  
 2nd Shut-in 90 Minutes-



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.41	108.78	Initial Hydro-static
2	151.77	112.43	Open To Flow (1)
4	80.96	111.15	Shut-In(1)
66	726.48	111.03	End Shut-In(1)
67	89.55	110.76	Open To Flow (2)
112	287.08	114.41	Shut-In(2)
202	112.44	112.77	End Shut-In(2)
203	1631.24	112.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
115.00	mud	1.61

## Gas Rates

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



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TOOL DIAGRAM

F.G Holl Company L.L.C

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Test Start: 2014.07.12 @ 14:08:00

## Tool Information

Drill Pipe:	Length: 3527.00 ft	Diameter: 3.80 inches	Volume: 49.47 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:	70000.00 lb
			<u>Total Volume: 49.47 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	3540.00 ft			Final	57000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	30.00 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			3522.00	
Hydraulic tool	5.00			3527.00	
Jars	6.00			3533.00	
Safety Joint	2.00			3535.00	
Packer	5.00			3540.00	23.00 Bottom Of Top Packer
Recorder	1.00			3541.00	
Recorder	1.00			3542.00	
Anchor	2.00			3544.00	
Bullnose	3.00			3547.00	7.00 Anchor Tool
<b>Total Tool Length:</b>	<b>30.00</b>				



# 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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	mud	1.613

Total Length: 115.00 ft      Total Volume: 1.613 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

