



## DRILL STEM TEST REPORT

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

9431 E Central Ste 100 Witchita KS  
67206+2563

ATTN: Rene Husted

### **Romine Trust #3-1**

#### **1-20s-15w Barton**

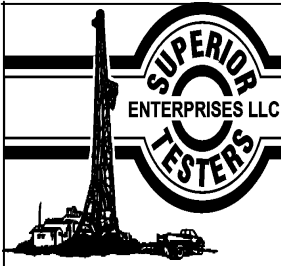
Start Date: 2014.03.22 @ 10:45:00

End Date: 2014.03.22 @ 17:29:30

Job Ticket #: 19278                      DST #: 8

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

Printed: 2014.03.22 @ 18:45:24



# DRILL STEM TEST REPORT

F G Holl Company L.L.C

**1-20s-15w Barton**

9431 E Central Ste 100 Wichita KS 67206+2563

**Romine Trust #3-1**

ATTN: Rene Husted

Job Ticket: 19278

**DST#: 8**

Test Start: 2014.03.22 @ 10:45:00

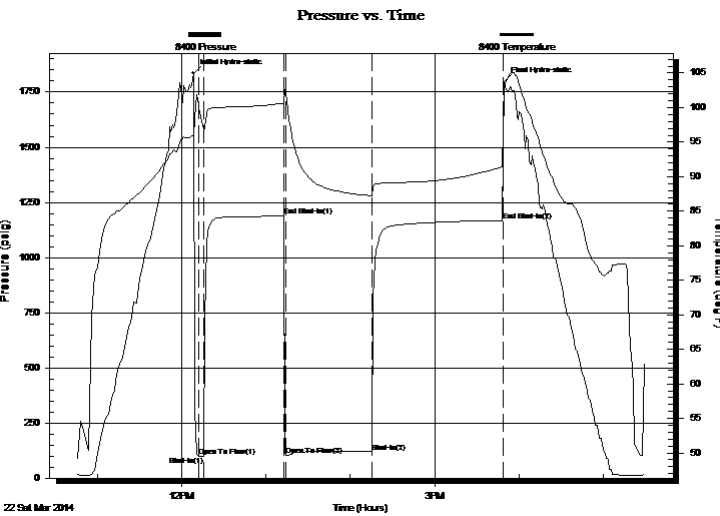
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:12:00  
 Time Test Ended: 17:29:30  
 Interval: **3616.00 ft (KB) To 3626.00 ft (KB) (TVD)**  
 Total Depth: 3626.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-Great Bend -25  
 Reference Elevations: 1964.00 ft (KB)  
 1954.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8400

Press@RunDepth: 119.45 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.03.22 End Date: 2014.03.22 Last Calib.: 2014.03.22  
 Start Time: 10:45:00 End Time: 17:29:30 Time On Btm: 2014.03.22 @ 12:08:30  
 Time Off Btm: 2014.03.22 @ 15:49:30

**TEST COMMENT:** 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute  
 1st Shut-in 60 Minutes-Yes blow back  
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in less then 1 minute  
 2nd Shut-in 90 Minutes-Yes blow back



## PRESSURE SUMMARY

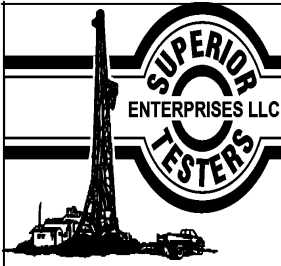
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.60	95.87	Initial Hydro-static
4	99.37	100.51	Open To Flow (1)
8	97.87	96.57	Shut-In(1)
64	1187.06	100.61	End Shut-In(1)
66	103.14	102.01	Open To Flow (2)
127	119.45	87.20	Shut-In(2)
220	1168.24	91.42	End Shut-In(2)
221	1797.33	101.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28
0.00	3577 feet gas in pipe see gas report	0.00
0.00	gas sample w as taken	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	39.00	360.22
Last Gas Rate	0.50	41.00	373.71
Max. Gas Rate	0.50	41.00	373.71



# DRILL STEM TEST REPORT

F G Holl Company L.L.C

**1-20s-15w Barton**

9431 E Central Ste 100 Wichita KS 67206+2563

**Romine Trust #3-1**

ATTN: Rene Husted

Job Ticket: 19278

**DST#: 8**

Test Start: 2014.03.22 @ 10:45:00

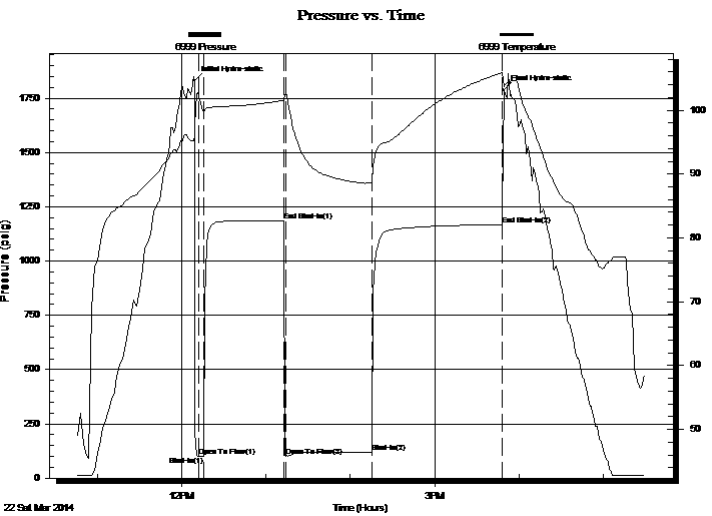
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 12:12:00 Tester: Jared Scheck  
 Time Test Ended: 17:29:30 Unit No: 3320-Great Bend -25  
 Interval: **3616.00 ft (KB) To 3626.00 ft (KB) (TVD)** Reference Elevations: 1964.00 ft (KB)  
 Total Depth: 3626.00 ft (KB) (TVD) 1954.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

## Serial #: 6999

Press@RunDepth: 1168.12 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.03.22 End Date: 2014.03.22 Last Calib.: 2014.03.22  
 Start Time: 10:45:00 End Time: 17:29:30 Time On Btm: 2014.03.22 @ 12:09:00  
 Time Off Btm: 2014.03.22 @ 15:49:30

**TEST COMMENT:** 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute  
 1st Shut-in 60 Minutes-Yes blow back  
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in less then 1 minute  
 2nd Shut-in 90 Minutes-Yes blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.65	95.93	Initial Hydro-static
3	99.86	102.42	Open To Flow (1)
7	99.95	99.57	Shut-In(1)
64	1186.32	101.53	End Shut-In(1)
65	99.28	102.66	Open To Flow (2)
127	118.19	88.55	Shut-In(2)
219	1168.12	105.86	End Shut-In(2)
221	1789.11	103.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28
0.00	3577 feet gas in pipe see gas report	0.00
0.00	gas sample w as taken	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	39.00	360.22
Last Gas Rate	0.50	41.00	373.71
Max. Gas Rate	0.50	41.00	373.71



# DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

**1-20s-15w Barton**

9431 E Central Ste 100 Witchita KS 67206+2563

**Romine Trust #3-1**

Job Ticket: 19278

**DST#: 8**

ATTN: Rene Husted

Test Start: 2014.03.22 @ 10:45:00

## Tool Information

Drill Pipe:	Length: 3599.00 ft	Diameter: 3.80 inches	Volume: 50.48 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:	60000.00 lb
			<u>Total Volume: 50.48 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3616.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 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			3601.00	
Hydraulic tool	5.00			3606.00	
Packer	5.00			3611.00	20.00 Bottom Of Top Packer
Packer	5.00			3616.00	
Recorder	1.00			3617.00	
Recorder	1.00			3618.00	
Anchor	5.00			3623.00	
Bullnose	3.00			3626.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 30.00**



# DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company L.L.C

1-20s-15w Barton

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19278

DST#: 8

ATTN: Rene Husted

Test Start: 2014.03.22 @ 10:45:00

## 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	mud	0.281
0.00	3577 feet gas in pipe see gas report	0.000
0.00	gas sample was taken	0.000

Total Length: 20.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0

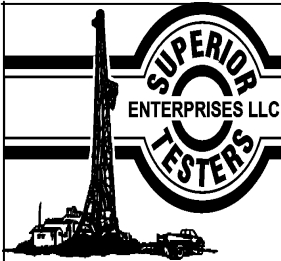
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



# DRILL STEM TEST REPORT

**GAS RATES**

F G Holl Company L.L.C

**1-20s-15w Barton**

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**Romine Trust #3-1**

Job Ticket: 19278

**DST#: 8**

ATTN: Rene Husted

Test Start: 2014.03.22 @ 10:45:00

## Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	39.00	360.22
2	20	0.50	41.00	373.71
2	30	0.50	41.00	373.71
2	40	0.50	41.00	373.71
2	50	0.50	41.00	373.71
2	60	0.50	41.00	373.71

