



## 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: 2014.03.19 @ 08:20:00

End Date: 2014.03.19 @ 14:50:30

Job Ticket #: 19148                      DST #: 3

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

Printed: 2014.03.19 @ 16:06:30

F G Holl Company L.L.C

1-20s-15w Barton

Romine Trust #3-1

DST # 3

Lansing H zone

2014.03.19



# DRILL STEM TEST REPORT

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1-20s-15w Barton

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Romine Trust #3-1

ATTN: Rene Husted

Job Ticket: 19148

DST#: 3

Test Start: 2014.03.19 @ 08:20:00

## GENERAL INFORMATION:

Formation: **Lansing Hzone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:00

Time Test Ended: 14:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: **3424.00 ft (KB) To 3446.00 ft (KB) (TVD)**

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3446.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

## Serial #: 8400

Press@RunDepth: 50.51 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.19

End Date: 2014.03.19

Last Calib.: 2014.03.19

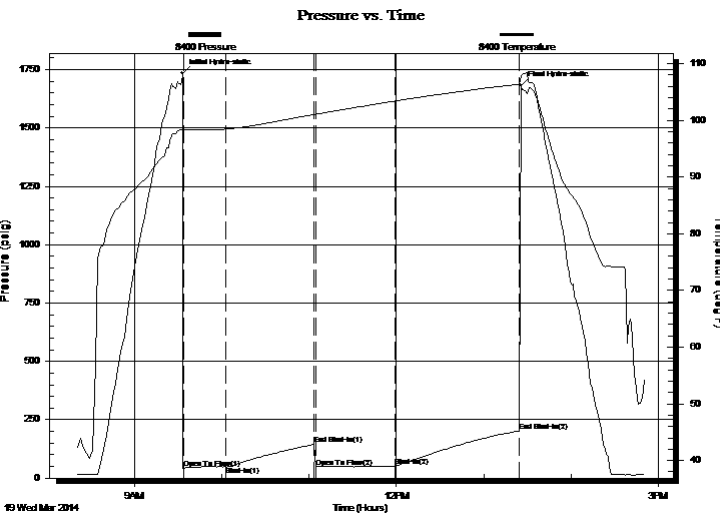
Start Time: 08:20:00

End Time: 14:50:30

Time On Btm: 2014.03.19 @ 09:33:00

Time Off Btm: 2014.03.19 @ 13:25:30

**TEST COMMENT:** 1st Opening 30 Minutes-Weak blow built 4 inches into water in 30 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 2 minutes  
 2nd Shut-in 90 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.74	98.34	Initial Hydro-static
1	43.16	98.31	Open To Flow (1)
30	50.13	98.44	Shut-In(1)
91	144.62	101.04	End Shut-In(1)
92	45.63	101.04	Open To Flow (2)
146	50.51	103.39	Shut-In(2)
232	202.29	106.39	End Shut-In(2)
233	1681.91	107.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud spot oil 1%oil 99%mud	0.42
180.00	gas in pipe	2.52

## Gas Rates

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



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Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: **3424.00 ft (KB) To 3446.00 ft (KB) (TVD)**

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3446.00 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: 199.07 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.19

End Date: 2014.03.19

Last Calib.: 2014.03.19

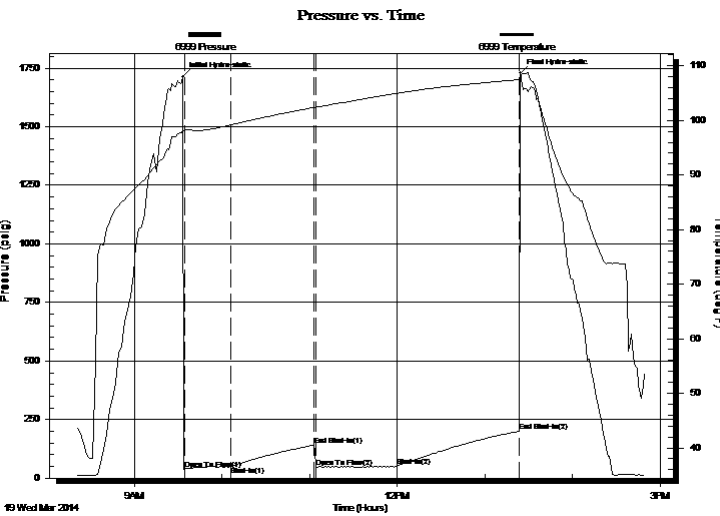
Start Time: 08:20:00

End Time: 14:50:00

Time On Btm: 2014.03.19 @ 09:33:00

Time Off Btm: 2014.03.19 @ 13:24:30

**TEST COMMENT:** 1st Opening 30 Minutes-Weak blow built 4 inches into water in 30 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 2 minutes  
 2nd Shut-in 90 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.94	98.11	Initial Hydro-static
1	39.64	98.28	Open To Flow (1)
33	49.45	99.18	Shut-In(1)
90	141.93	102.38	End Shut-In(1)
92	44.16	102.43	Open To Flow (2)
147	50.58	104.95	Shut-In(2)
231	199.07	107.47	End Shut-In(2)
232	1728.71	108.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud spot oil 1%oil 99%mud	0.42
180.00	gas in pipe	2.52

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

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Romine Trust #3-1

Job Ticket: 19148

DST#: 3

ATTN: Rene Husted

Test Start: 2014.03.19 @ 08:20:00

## Tool Information

Drill Pipe:	Length: 3406.00 ft	Diameter: 3.80 inches	Volume: 47.78 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: 55000.00 lb
			<u>Total Volume: 47.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3424.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3401.00	
Hydraulic tool	5.00			3406.00	
Jars	6.00			3412.00	
Safety Joint	2.00			3414.00	
Packer	5.00			3419.00	28.00 Bottom Of Top Packer
Packer	5.00			3424.00	
Recorder	1.00			3425.00	
Recorder	1.00			3426.00	
Anchor	17.00			3443.00	
Bullnose	3.00			3446.00	22.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>50.00</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: 45.00 sec/qt  
Water Loss: 8.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6300.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud spot oil 1%oil 99%mud	0.421
180.00	gas in pipe	2.525

Total Length: 210.00 ft      Total Volume: 2.946 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

