



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: 2014.03.23 @ 16:00:00

End Date: 2014.03.23 @ 22:27:00

Job Ticket #: 19280 DST #: 10

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

Printed: 2014.03.24 @ 00:06:15



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: 19280

DST#: 10

Test Start: 2014.03.23 @ 16:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:28:00

Time Test Ended: 22:27:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: 3642.00 ft (KB) To 3655.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3655.00 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: 49.16 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.23

End Date: 2014.03.23

Last Calib.: 2014.03.24

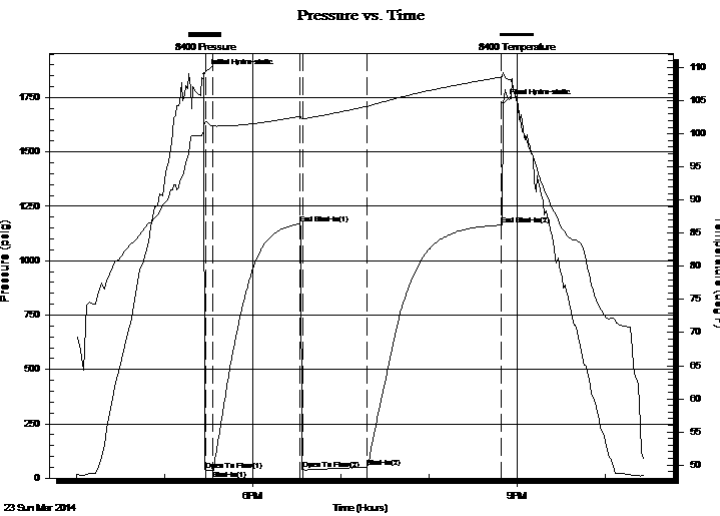
Start Time: 16:00:00

End Time: 22:27:00

Time On Btm: 2014.03.23 @ 17:27:00

Time Off Btm: 2014.03.23 @ 20:50:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in less then 1 minute
 1st Shut-in 60 Minutes-Very weak
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in less then 1 minute
 2nd Shut-in 90 Minutes-very weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.24	101.21	Initial Hydro-static
1	35.89	101.86	Open To Flow (1)
6	33.90	101.24	Shut-In(1)
65	1168.99	102.65	End Shut-In(1)
67	38.93	102.30	Open To Flow (2)
111	49.16	104.13	Shut-In(2)
202	1163.77	108.58	End Shut-In(2)
204	1723.28	109.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gas oil +mud 35%gas 35%oil 30%mud	0.84
0.00	3092 gas in pipe	0.00

Gas Rates

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



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Job Ticket: 19280

DST#: 10

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Deviated: No Whipstock: ft (KB)

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Time Test Ended: 22:27:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-25

Interval: 3642.00 ft (KB) To 3655.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 3655.00 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: 1163.17 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.03.23

End Date: 2014.03.23

Last Calib.: 2014.03.24

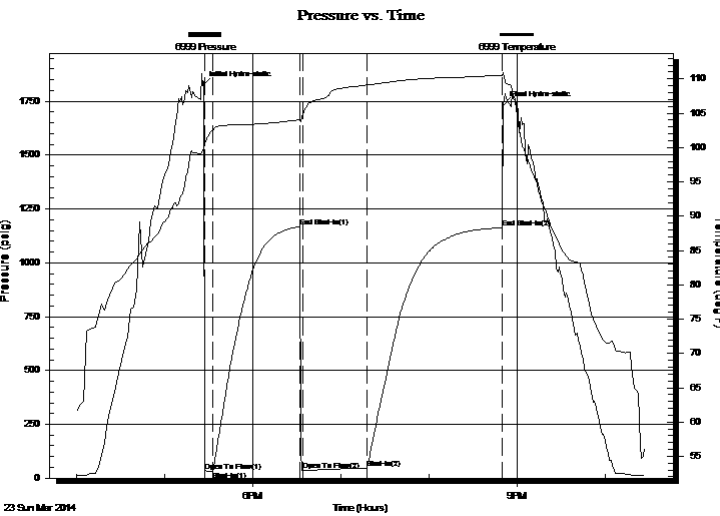
Start Time: 16:00:00

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Time On Btm: 2014.03.23 @ 17:26:00

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 1st Shut-in 60 Minutes-Very weak
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in less then 1 minute
 2nd Shut-in 90 Minutes-very weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.22	99.47	Initial Hydro-static
2	33.99	100.50	Open To Flow (1)
7	31.27	102.59	Shut-In(1)
66	1168.64	104.07	End Shut-In(1)
68	34.97	104.92	Open To Flow (2)
112	47.09	109.11	Shut-In(2)
204	1163.17	110.55	End Shut-In(2)
205	1732.35	110.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gas oil +mud 35%gas 35%oil 30%mud	0.84
0.00	3092 gas in pipe	0.00

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

9431 E Central Ste 100 Witchita KS 67206+2563

Romine Trust #3-1

Job Ticket: 19280

DST#: 10

ATTN: Rene Husted

Test Start: 2014.03.23 @ 16:00:00

Tool Information

Drill Pipe:	Length: 3632.00 ft	Diameter: 3.80 inches	Volume: 50.95 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: 50.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3642.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	28.00 ft			
Number of Packers:	1	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			3632.00	
Hydraulic tool	5.00			3637.00	
Packer	5.00			3642.00	15.00 Bottom Of Top Packer
Recorder	1.00			3643.00	
Recorder	1.00			3644.00	
Anchor	8.00			3652.00	
Bullnose	3.00			3655.00	13.00 Anchor Tool

Total Tool Length: 28.00



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FLUID SUMMARY

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Test Start: 2014.03.23 @ 16:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 7400.00 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: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gas oil +mud 35%gas 35%oil 30%mud	0.842
0.00	3092 gas in pipe	0.000

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

