



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 @ 00:55:00

End Date: 2014.03.23 @ 08:25:30

Job Ticket #: 19279 DST #: 9

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

Printed: 2014.03.23 @ 10:01:55



DRILL STEM TEST REPORT

F G Holl Company L.L.C

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DST#: 9

Test Start: 2014.03.23 @ 00:55:00

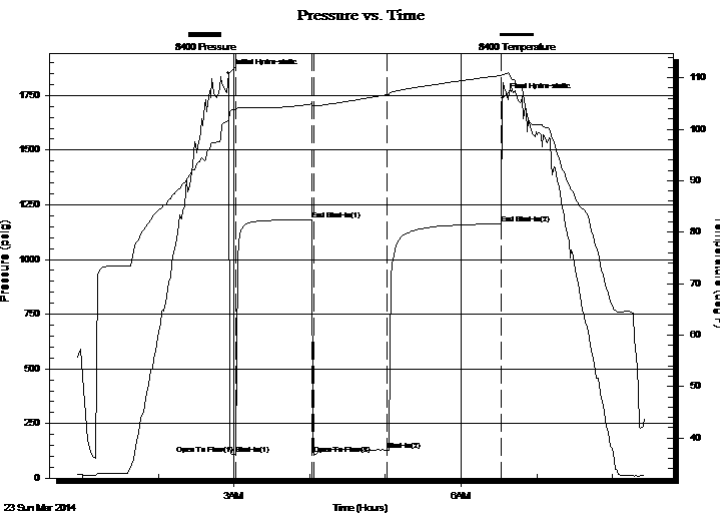
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 02:59:30
 Tester: Jared Scheck
 Time Test Ended: 08:25:30
 Unit No: 3320-Great Bend-25
 Interval: **3627.00 ft (KB) To 3641.00 ft (KB) (TVD)**
 Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3641.00 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: 129.30 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.23
 Start Time: 00:55:00 End Time: 08:25:30 Time On Btm: 2014.03.23 @ 02:55:30
 Time Off Btm: 2014.03.23 @ 06:33:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.45	101.86	Initial Hydro-static
4	108.72	103.85	Open To Flow (1)
6	108.38	103.86	Shut-In(1)
67	1181.05	104.90	End Shut-In(1)
68	110.30	104.54	Open To Flow (2)
126	129.30	106.73	Shut-In(2)
216	1163.25	110.46	End Shut-In(2)
218	1739.33	110.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud cut oil 3 %oil 97%mud	0.28
0.00		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



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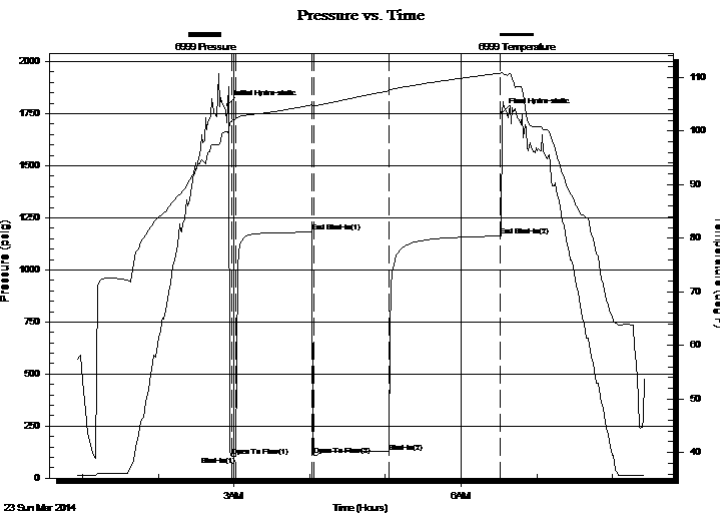
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:59:30
 Time Test Ended: 08:25:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-25
 Interval: **3627.00 ft (KB) To 3641.00 ft (KB) (TVD)**
 Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3641.00 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: 1162.51 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.23 End Date: 2014.03.23 Last Calib.: 2014.03.23
 Start Time: 00:55:00 End Time: 08:25:30 Time On Btm: 2014.03.23 @ 02:55:00
 Time Off Btm: 2014.03.23 @ 06:32:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.36	99.76	Initial Hydro-static
3	106.61	101.80	Open To Flow (1)
6	106.00	102.23	Shut-In(1)
67	1180.51	104.85	End Shut-In(1)
68	109.57	104.70	Open To Flow (2)
128	125.94	107.46	Shut-In(2)
216	1162.51	110.79	End Shut-In(2)
218	1752.81	110.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud cut oil 3 %oil 97%mud	0.28
0.00		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: 19279

DST#: 9

ATTN: Rene Husted

Test Start: 2014.03.23 @ 00:55:00

Tool Information

Drill Pipe:	Length: 3624.00 ft	Diameter: 3.80 inches	Volume: 50.84 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: 50.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3627.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	29.00 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			3617.00	
Hydraulic tool	5.00			3622.00	
Packer	5.00			3627.00	15.00 Bottom Of Top Packer
Recorder	1.00			3628.00	
Recorder	1.00			3629.00	
Anchor	9.00			3638.00	
Bullnose	3.00			3641.00	14.00 Anchor Tool

Total Tool Length: 29.00



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FLUID SUMMARY

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Romine Trust #3-1

Job Ticket: 19279

DST#: 9

ATTN: Rene Husted

Test Start: 2014.03.23 @ 00:55:00

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:

bbf

Water Loss: 8.00 in³

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 bbf
20.00	mud cut oil 3 %oil 97%mud	0.281
0.00		0.000

Total Length: 20.00 ft Total Volume: 0.281 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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DST#: 9

ATTN: Rene Husted

Test Start: 2014.03.23 @ 00:55:00

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

