



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: 2014.03.21 @ 03:30:00

End Date: 2014.03.21 @ 08:25:30

Job Ticket #: 19276 DST #: 6

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

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Test Start: 2014.03.21 @ 03:30:00

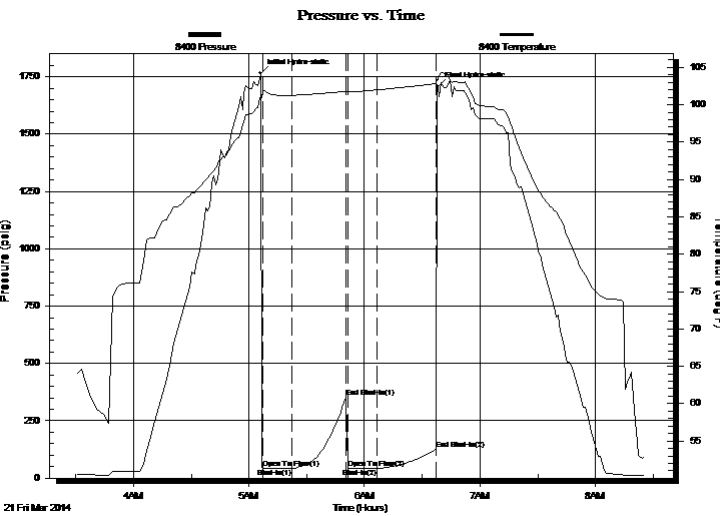
GENERAL INFORMATION:

Formation: **K zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:07:00
 Time Test Ended: 08:25:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Greatr Bend-25
 Interval: **3494.00 ft (KB) To 3516.00 ft (KB) (TVD)**
 Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3494.00 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: 42.01 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.21 End Date: 2014.03.21 Last Calib.: 2014.03.21
 Start Time: 03:30:00 End Time: 08:25:30 Time On Btm: 2014.03.21 @ 05:06:00
 Time Off Btm: 2014.03.21 @ 06:38:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch died off
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak surface blow died off
 2nd Shur-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.59	100.80	Initial Hydro-static
1	44.33	101.89	Open To Flow (1)
17	41.37	101.27	Shut-In(1)
45	351.82	101.82	End Shut-In(1)
46	44.09	101.71	Open To Flow (2)
61	42.01	101.99	Shut-In(2)
91	126.75	102.82	End Shut-In(2)
92	1709.32	103.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

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



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Job Ticket: 19276

DST#: 6

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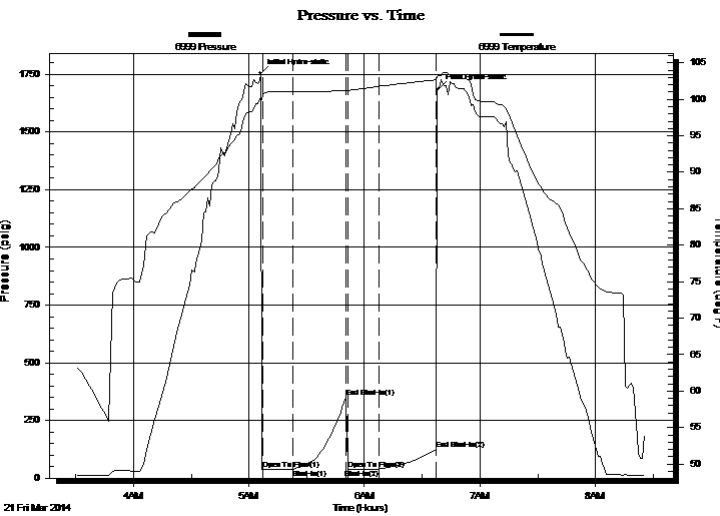
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 Tester: Jared Scheck
 Unit No: 3320-Greatr Bend-25
 Interval: **3494.00 ft (KB) To 3516.00 ft (KB) (TVD)**
 Reference Elevations: 1964.00 ft (KB)
 Total Depth: 3494.00 ft (KB) (TVD)
 1954.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 10.00 ft

Serial #: 6999

Press@RunDepth: 125.79 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.21 End Date: 2014.03.21 Last Calib.: 2014.03.21
 Start Time: 03:30:00 End Time: 08:26:00 Time On Btm: 2014.03.21 @ 05:06:00
 Time Off Btm: 2014.03.21 @ 06:38:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch died off
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak surface blow died off
 2nd Shur-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.35	100.38	Initial Hydro-static
1	38.53	100.65	Open To Flow (1)
17	39.17	101.09	Shut-In(1)
45	350.68	101.25	End Shut-In(1)
46	39.82	101.23	Open To Flow (2)
62	39.43	101.78	Shut-In(2)
91	125.79	102.67	End Shut-In(2)
93	1686.56	103.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

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



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TOOL DIAGRAM

F G Holl Company L.L.C

1-20s-15w Barton

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Romine Trust #3-1

Job Ticket: 19276

DST#: 6

ATTN: Rene Husted

Test Start: 2014.03.21 @ 03:30:00

Tool Information

Drill Pipe:	Length: 3473.00 ft	Diameter: 3.80 inches	Volume: 48.72 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: 48.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3494.00 ft			Final 50000.00 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			3471.00	
Hydraulic tool	5.00			3476.00	
Jars	6.00			3482.00	
Safety Joint	2.00			3484.00	
Packer	5.00			3489.00	28.00 Bottom Of Top Packer
Packer	5.00			3494.00	
Recorder	1.00			3495.00	
Recorder	1.00			3496.00	
Anchor	17.00			3513.00	
Bullnose	3.00			3516.00	22.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



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FLUID SUMMARY

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Test Start: 2014.03.21 @ 03:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 74.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 8000.00 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: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

