



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: 2014.03.20 @ 11:30:00

End Date: 2014.03.20 @ 17:51:00

Job Ticket #: 19150 DST #: 5

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

Printed: 2014.03.20 @ 19:17:13



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DST#: 5

Test Start: 2014.03.20 @ 11:30:00

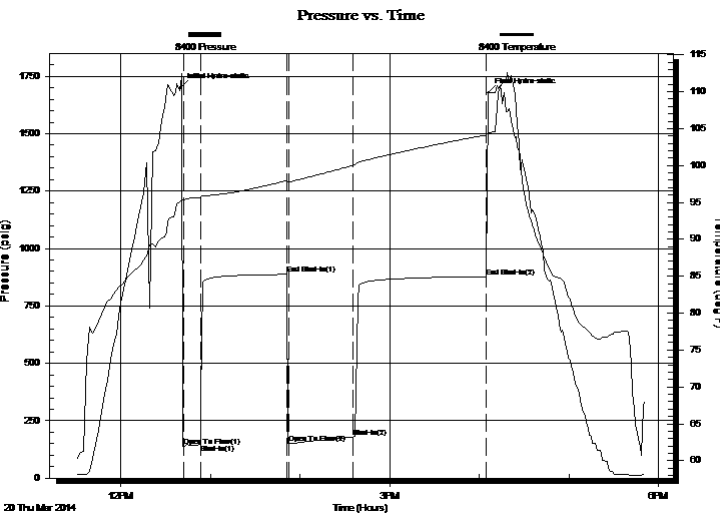
GENERAL INFORMATION:

Formation: **KC J zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:42:00
 Time Test Ended: 17:51:00
 Interval: **3470.00 ft (KB) To 3484.00 ft (KB) (TVD)**
 Total Depth: 3484.00 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: 179.59 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.20 End Date: 2014.03.20 Last Calib.: 2014.03.20
 Start Time: 11:30:00 End Time: 17:51:00 Time On Btm: 2014.03.20 @ 12:40:00
 Time Off Btm: 2014.03.20 @ 16:06:00

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 3 inches into water in 10 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 9 inches into water in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1699.79 | 95.18 | Initial Hydro-static |
| 2 | 138.04 | 95.36 | Open To Flow (1) |
| 13 | 146.65 | 95.60 | Shut-In(1) |
| 71 | 887.19 | 97.96 | End Shut-In(1) |
| 73 | 151.13 | 97.77 | Open To Flow (2) |
| 116 | 179.59 | 100.02 | Shut-In(2) |
| 205 | 877.98 | 104.13 | End Shut-In(2) |
| 206 | 1676.42 | 104.38 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 420.00 | water | 5.89 |
| 0.00 | chlorides 30,000 resistivity .15@65degrees | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



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ATTN: Rene Husted

Job Ticket: 19150

DST#: 5

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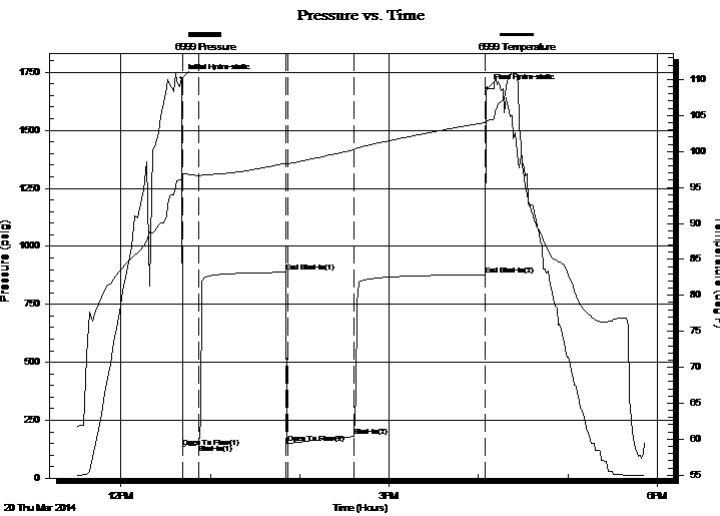
GENERAL INFORMATION:

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 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:42:00
 Time Test Ended: 17:51:00
 Interval: **3470.00 ft (KB) To 3484.00 ft (KB) (TVD)**
 Total Depth: 3484.00 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 #: 6999

Press@RunDepth: 878.42 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.20 End Date: 2014.03.20 Last Calib.: 2014.03.20
 Start Time: 11:30:00 End Time: 17:51:30 Time On Btm: 2014.03.20 @ 12:40:30
 Time Off Btm: 2014.03.20 @ 16:06:00

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 3 inches into water in 10 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 9 inches into water in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1723.58 | 96.05 | Initial Hydro-static |
| 1 | 134.18 | 96.80 | Open To Flow (1) |
| 12 | 145.93 | 96.64 | Shut-In(1) |
| 71 | 887.69 | 98.38 | End Shut-In(1) |
| 72 | 149.04 | 98.30 | Open To Flow (2) |
| 116 | 179.68 | 100.25 | Shut-In(2) |
| 204 | 878.42 | 104.03 | End Shut-In(2) |
| 206 | 1679.90 | 104.28 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 420.00 | water | 5.89 |
| 0.00 | chlorides 30,000 resistivity .15@65deg | 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: 19150

DST#: 5

ATTN: Rene Husted

Test Start: 2014.03.20 @ 11:30:00

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: 60000.00 lb |
| | | | Total Volume: 48.72 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial 48000.00 lb |
| Depth to Top Packer: | 3470.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 14.00 ft | | | |
| Tool Length: | 42.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Shut In Tool | 5.00 | | | 3447.00 | |
| Hydraulic tool | 5.00 | | | 3452.00 | |
| Jars | 6.00 | | | 3458.00 | |
| Safety Joint | 2.00 | | | 3460.00 | |
| Packer | 5.00 | | | 3465.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3470.00 | |
| Recorder | 1.00 | | | 3471.00 | |
| Recorder | 1.00 | | | 3472.00 | |
| Anchor | 9.00 | | | 3481.00 | |
| Bullnose | 3.00 | | | 3484.00 | 14.00 Bottom Packers & Anchor |
| Total Tool Length: | 42.00 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMARY

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Romine Trust #3-1

Job Ticket: 19150

DST#: 5

ATTN: Rene Husted

Test Start: 2014.03.20 @ 11:30:00

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: 74.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|---|---------------|
| 420.00 | water | 5.891 |
| 0.00 | chlorides 30,000 resistivity .15@65degree | 0.000 |

Total Length: 420.00 ft Total Volume: 5.891 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

