



DRILL STEM TEST REPORT

Prepared For: **F.G Holl Company**

9431 East Central Suite 100
Wichita Kansas 67206

ATTN: Frank Greenbaum

Dunavan 1-14

14-20s-15w-Barton

Start Date: 2012.07.13 @ 01:30:00

End Date: 2012.07.13 @ 07:55:00

Job Ticket #: 17304 DST #: 3

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

Printed: 2012.07.13 @ 18:13:19



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company
 9431 East Central Suite 100
 Wichita Kansas 67206
 A T T N : Frank Greenbaum

14-20s-15w-Barton
Dunavan 1-14
 Job Ticket: 17304 **DST#: 3**
 Test Start: 2012.07.13 @ 01:30:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3703.00 ft | Diameter: 3.80 inches | Volume: 51.94 bbl | Tool Weight: 2000.00 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: 51.94 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3710.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 15.00 ft | | | |
| Tool Length: | 43.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|------------------------------------|
| Shut-In Tool | 5.00 | | | 3687.00 | |
| Hydraulic Tool | 5.00 | | | 3692.00 | |
| Jars | 6.00 | | | 3698.00 | |
| Safety Joint | 2.00 | | | 3700.00 | |
| Packer | 5.00 | | | 3705.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3710.00 | |
| Anchor | 10.00 | | | 3720.00 | |
| Recorder | 1.00 | 8405 | Inside | 3721.00 | |
| Recorder | 1.00 | 8400 | Outside | 3722.00 | |
| Bull Plug | 3.00 | | | 3725.00 | 15.00 Bottom Packers & Anchor |
| Total Tool Length: | 43.00 | | | | |



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FLUID SUMMARY

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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: 62.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.39 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 6700.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 11.00 | Oil cut mud 10%Oil 90%Mud | 0.154 |
| 61.00 | Oil pluse w ater cut mud | 0.856 |
| 0.00 | Oil 10% 60%Mud 30%Water | 0.000 |

Total Length: 72.00 ft Total Volume: 1.010 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



