



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Keith Reavis

Prosser 1-36

36-21s-16w-Pawnee

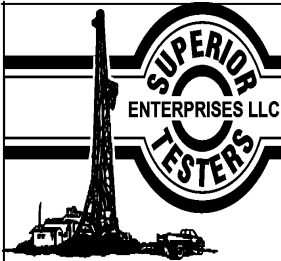
Start Date: 2012.11.24 @ 06:25:00

End Date: 2012.11.24 @ 14:36:00

Job Ticket #: 17872 DST #: 3

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

Printed: 2012.11.24 @ 12:48:40



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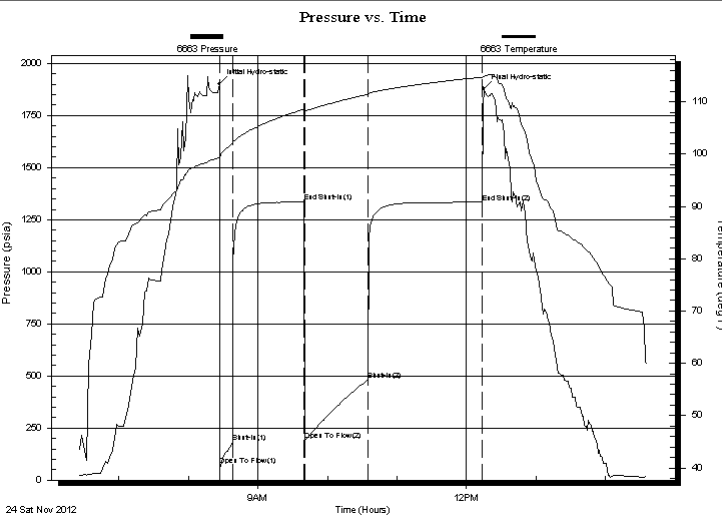
36-21s-16w-Pawnee
Prosser 1-36
 Job Ticket: 17872 **DST#: 3**
 Test Start: 2012.11.24 @ 06:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:27:30
 Time Test Ended: 14:36:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-58
 Interval: **3920.00 ft (KB) To 3925.00 ft (KB) (TVD)**
 Total Depth: 3925.00 ft (KB) (TVD)
 Reference Elevations: 1987.00 ft (KB)
 1977.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 10.00 ft

Serial #: 6663 Inside
 Press @ Run Depth: 1333.81 psia @ 3921.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.24 End Date: 2012.11.24 Last Calib.: 2012.11.24
 Start Time: 06:25:00 End Time: 14:35:30 Time On Btm: 2012.11.24 @ 08:26:30
 Time Off Btm: 2012.11.24 @ 12:15:00

TEST COMMENT: 1st Open 10 minutes Strong blow blew bottom bucket 2 minutes.
 1st Shut in 60 minutes Yes blow back
 2nd Open 60 minutes Strong blow blew bottom bucket 6 minutes
 2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1903.08 | 99.37 | Initial Hydro-static |
| 1 | 73.34 | 99.28 | Open To Flow (1) |
| 12 | 179.70 | 102.00 | Shut-In(1) |
| 73 | 1334.49 | 108.55 | End Shut-In(1) |
| 74 | 190.93 | 108.31 | Open To Flow (2) |
| 128 | 480.51 | 111.38 | Shut-In(2) |
| 227 | 1333.81 | 114.68 | End Shut-In(2) |
| 229 | 1879.62 | 114.85 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------|--------------|
| 30.00 | Oil cut muddy w ater | 0.15 |
| 0.00 | 5%Oil 10%Mud Water85% | 0.00 |
| 700.00 | Water 100% | 8.11 |
| 0.00 | Chlorides 47,000@62degrees | 0.00 |
| | | |
| | | |

Gas Rates

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



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TOOL DIAGRAM

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 Test Start: 2012.11.24 @ 06:25:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3691.00 ft | Diameter: 3.80 inches | Volume: 51.78 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: 217.63 ft | Diameter: 2.25 inches | Volume: 1.07 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 52.85 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 11.63 ft | | | String Weight: Initial 70000.00 lb |
| Depth to Top Packer: | 3920.00 ft | | | Final 74000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 5.00 ft | | | |
| Tool Length: | 28.00 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 | | | 3902.00 | |
| Hydraulic Tool | 5.00 | | | 3907.00 | |
| Jars | 6.00 | | | 3913.00 | |
| Safety Joint | 2.00 | | | 3915.00 | |
| Packer | 5.00 | | | 3920.00 | 23.00 Bottom Of Top Packer |
| Packer | 0.00 | | | 3920.00 | |
| Anchor | 0.00 | | | 3920.00 | |
| Recorder | 1.00 | 6663 | Inside | 3921.00 | |
| Recorder | 1.00 | 8400 | Outside | 3922.00 | |
| Bull Plug | 3.00 | | | 3925.00 | 5.00 Bottom Packers & Anchor |
| Total Tool Length: | 28.00 | | | | |



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FLUID SUMMARY

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Prosser 1-36
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 Test Start: 2012.11.24 @ 06:25:00

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: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.40 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.30 ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 5700.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------------|---------------|
| 30.00 | Oil cut muddy w ater | 0.148 |
| 0.00 | 5%Oil 10%Mud Water85% | 0.000 |
| 700.00 | Water 100% | 8.110 |
| 0.00 | Chlorides 47,000@62degrees | 0.000 |

Total Length: 730.00 ft Total Volume: 8.258 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

