ORIGINAL

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **MTM Petl.Inc.**

P.O.Box 82
Spivey Ks. 67142

ATTN: Bob Stozel

**2-30s-7w Kingman Ks.**

**Krehbiel J#1**

Start Date: 2005.02.28 @ 01:48:08
End Date: 2005.02.28 @ 09:31:53
Job Ticket #: 20020 DST #: 1

RECEIVED
APR 15 2005
KCC WICHITA

Trilobite Testing, Inc
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# DRILL STEM TEST REPORT

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**Krehbiel J#1**

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Job Ticket: 20020 **DST#: 1**

Test Start: 2005.02.28 @ 01:48:08

## GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:39:38
Time Test Ended: 09:31:53

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23

**Interval: 4114.00 ft (KB) To 4130.00 ft (KB) (TVD)**
Total Depth: 4130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

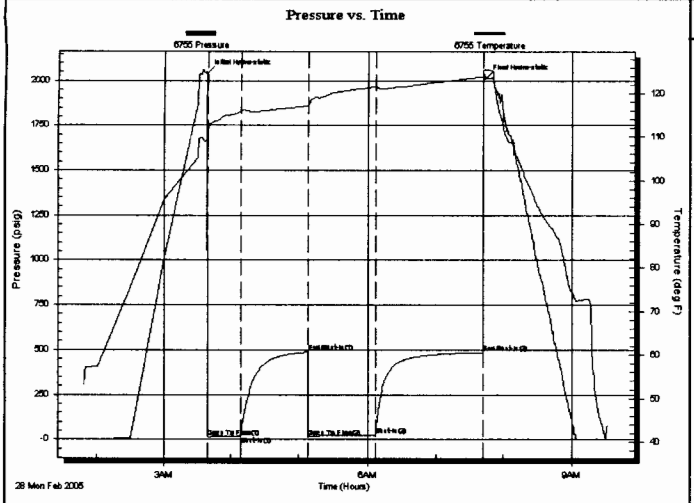
Reference Elevations: 1472.00 ft (KB)
1464.00 ft (CF)
KB to GR/CF: 8.00 ft

**Serial #: 6755** **Inside**

Press@RunDepth: 24.02 psig @ 4115.00 ft (KB)
Start Date: 2005.02.28 End Date: 2005.02.28
Start Time: 01:48:13 End Time: 09:31:52

Capacity: 7000.00 psig
Last Calib.: 2005.02.28
Time On Btm: 2005.02.28 @ 03:38:23
Time Off Btm: 2005.02.28 @ 07:44:08

TEST COMMENT: IF:Strong blow . B.O.B. in 5.5 mins.
ISI:No blow .
FF:Strong blow . B.O.B. in 2 - 3 secs.
FSI:No blow .




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2041.72 | 109.21 | Initial Hydro-static |
| 2 | 14.50 | 111.45 | Open To Flow (1) |
| 31 | 19.29 | 115.89 | Shut-In(1) |
| 90 | 486.84 | 117.12 | End Shut-In(1) |
| 90 | 12.25 | 117.05 | Open To Flow (2) |
| 149 | 24.02 | 121.47 | Shut-In(2) |
| 244 | 484.90 | 123.84 | End Shut-In(2) |
| 246 | 2014.01 | 125.42 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 32.00 | Drlg.mud | 0.45 |
| 0.00 | 2800 ft. of GIP | 0.00 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

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**TOOL DIAGRAM**

MTM Petl.Inc.

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ATTN: Bob Stozel

**Krehbiel J#1**

**2-30s-7w Kingman Ks.**

Job Ticket: 20020 **DST#: 1**

Test Start: 2005.02.28 @ 01:48:08

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4119.00 ft | Diameter: | 3.80 inches | Volume: | 57.78 bbl | Tool Weight: | | 2100.00 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: | | 76000.00 lb |
| | | | | | Total Volume: | 57.78 bbl | Tool Chased | | 0.00 ft |
| Drill Pipe Above KB: | | 27.00 ft | | | | | String Weight: | Initial | 69000.00 lb |
| Depth to Top Packer: | | 4114.00 ft | | | | | | Final | 69000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval betw een Packers: | | 16.00 ft | | | | | | | |
| Tool Length: | | 38.00 ft | | | | | | | |
| Number of Packers: | | 2 | Diameter: | 6.75 inches | | | | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4093.00 | | |
| Shut In Tool | 5.00 | | | 4098.00 | | |
| Hydraulic tool | 5.00 | | | 4103.00 | | |
| Safety Joint | 2.00 | | | 4105.00 | | |
| Packer | 4.00 | | | 4109.00 | 22.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4114.00 | | |
| Stubb | 1.00 | | | 4115.00 | | |
| Recorder | 0.00 | 6755 | Inside | 4115.00 | | |
| Perforations | 10.00 | | | 4125.00 | | |
| Recorder | 0.00 | 13222 | Outside | 4125.00 | | |
| Bullnose | 5.00 | | | 4130.00 | 16.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **38.00** | | | | | |

TRILOBITE TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

MTM Petl.Inc.

P.O.Box 82
Spivey Ks. 67142

ATTN: Bob Stozel

**Krehbiel J#1**

**2-30s-7w Kingman Ks.**

Job Ticket: 20020 **DST#: 1**

Test Start: 2005.02.28 @ 01:48:08

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 10.00 lb/gal | Cushion Length: | ft | Water Salinity: | 4000 ppm |
| Viscosity: | 46.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 11.98 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4000.00 ppm | | | | |
| Filter Cake: | 0.20 inches | | | | |

## Recovery Information

Recovery Table

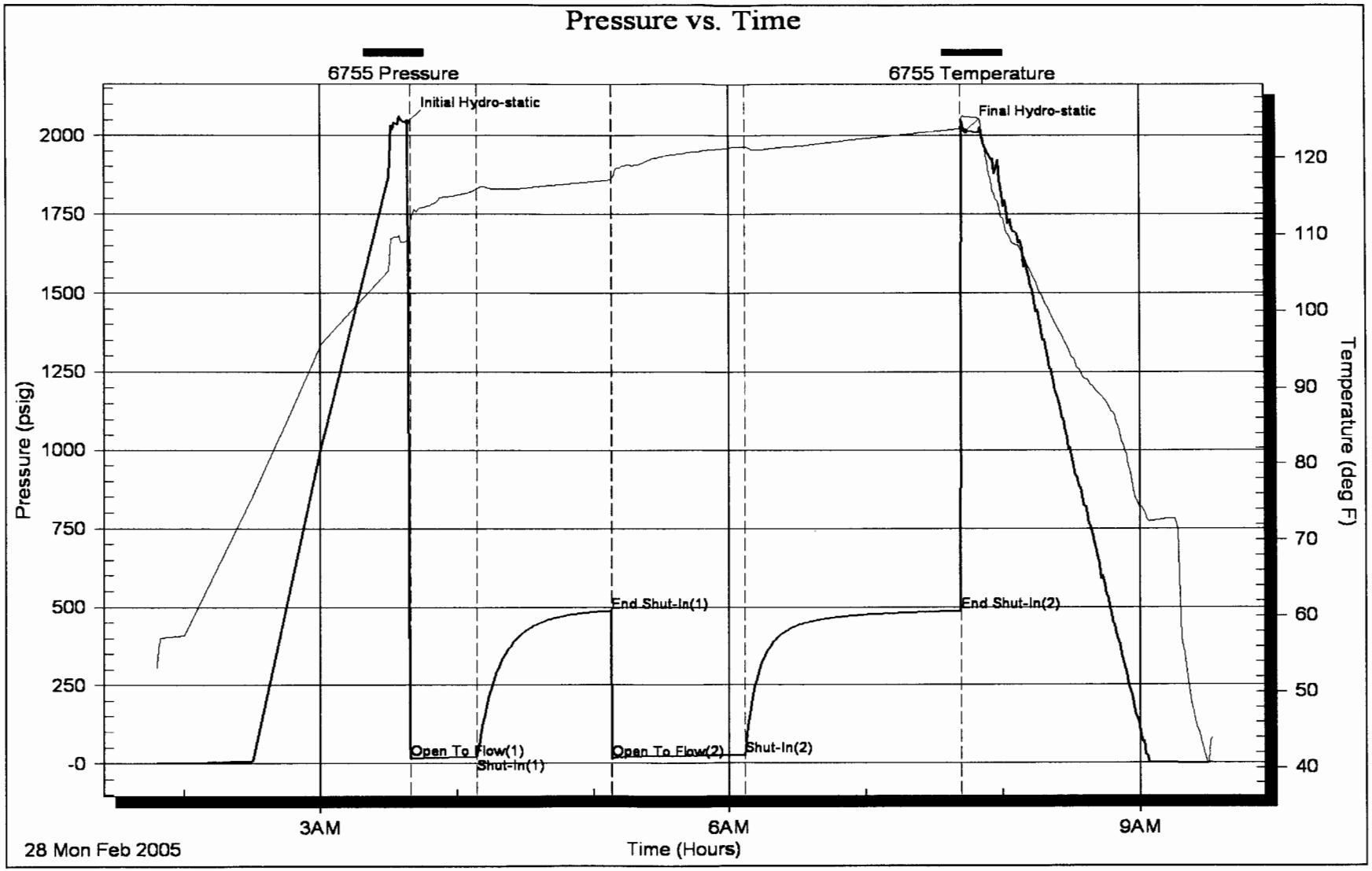
| Length ft | Description | Volume bbl |
|---|---|---|
| 32.00 | Drlg.mud | 0.449 |
| 0.00 | 2800 ft. of GIP | 0.000 |

Total Length: 32.00 ft Total Volume: 0.449 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6755 Pressure
6755 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2000
1750
1500
1250
1000
750
500
250
-0
120
110
100
90
80
70
60
50
40
3AM
6AM
9AM
28 Mon Feb 2005
Time (Hours)