



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th Street  
 Newton, KS. 67114-8827  
 ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
 Job Ticket: 47841 **DST#: 2**  
 Test Start: 2012.08.05 @ 05:52:46

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 07:51:46  
 Time Test Ended: 12:07:01  
 Interval: **4482.00 ft (KB) To 4592.00 ft (KB) (TVD)**  
 Total Depth: 4592.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2653.00 ft (KB)  
 2643.00 ft (CF)  
 KB to GR/CF: 10.00 ft

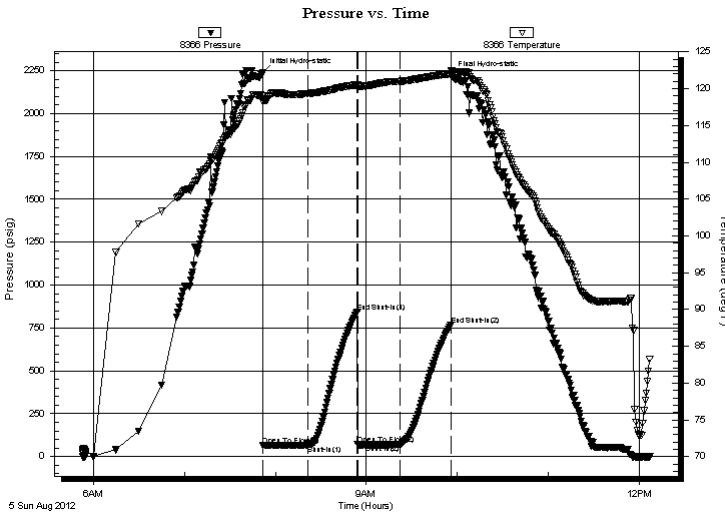
## Serial #: 8366

Inside

Press @ Run Depth: 69.20 psig @ 4579.00 ft (KB)  
 Start Date: 2012.08.05 End Date: 2012.08.05  
 Start Time: 05:52:48 End Time: 12:07:01  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.08.05  
 Time On Btm: 2012.08.05 @ 07:51:31  
 Time Off Btm: 2012.08.05 @ 09:56:16

TEST COMMENT: IFP-Weak Blow , Died in 10 Min.  
 ISI-Dead  
 FFP-Dead  
 FSI-Dead

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2239.00         | 119.12       | Initial Hydro-static |
| 1           | 65.11           | 118.22       | Open To Flow (1)     |
| 31          | 66.96           | 119.33       | Shut-In(1)           |
| 63          | 843.67          | 120.56       | End Shut-In(1)       |
| 63          | 69.75           | 120.06       | Open To Flow (2)     |
| 91          | 69.20           | 121.00       | Shut-In(2)           |
| 125         | 768.50          | 122.04       | End Shut-In(2)       |
| 125         | 2218.48         | 122.49       | Final Hydro-static   |

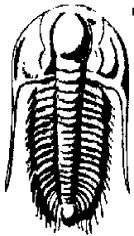
## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 10.00       | SOCM-10%O-90%M | 0.14         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

\* Recovery from multiple tests

## Gas Rates

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



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ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
Job Ticket: 47841 **DST#: 2**  
Test Start: 2012.08.05 @ 05:52:46

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 07:51:46  
Time Test Ended: 12:07:01

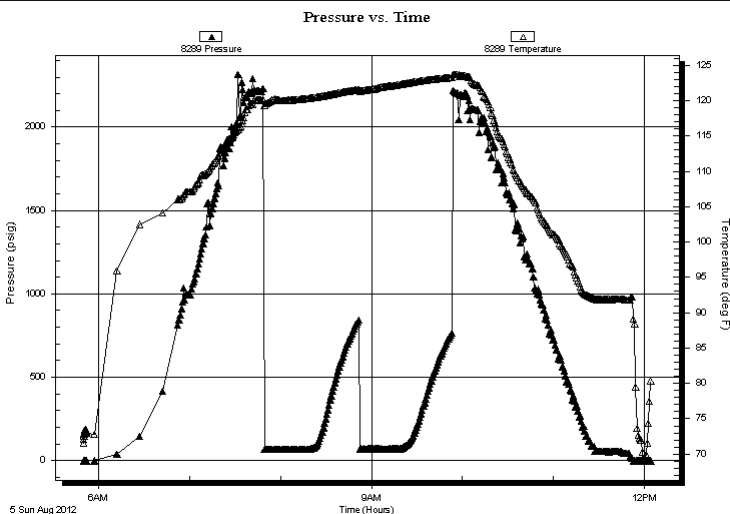
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jason McLemore  
Unit No: 54

Interval: **4482.00 ft (KB) To 4592.00 ft (KB) (TVD)**  
Reference Elevations: 2653.00 ft (KB)  
Total Depth: 4592.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches  
Hole Condition: Good  
KB to GR/CF: 10.00 ft

**Serial #: 8289** **Outside**

|                   |            |                 |            |               |            |
|-------------------|------------|-----------------|------------|---------------|------------|
| Press @ RunDepth: | psig @     | 4579.00 ft (KB) | Capacity:  | 8000.00 psig  |            |
| Start Date:       | 2012.08.05 | End Date:       | 2012.08.05 | Last Calib.:  | 2012.08.05 |
| Start Time:       | 05:50:02   | End Time:       | 12:04:45   | Time On Btm:  |            |
|                   |            |                 |            | Time Off Btm: |            |

TEST COMMENT: IFP-Weak Blow , Died in 10 Min.  
ISI-Dead  
FFP-Dead  
FSI-Dead



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |

## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 10.00       | SOCM-10%O-90%M | 0.14         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

## Gas Rates

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

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS. 67114-8827  
ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
Job Ticket: 47841      **DST#: 2**  
Test Start: 2012.08.05 @ 05:52:46

## 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: 42.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 9.98 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |         |
| Salinity: 3300.00 ppm            |                            |                 |         |
| Filter Cake: inches              |                            |                 |         |

## Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 10.00        | SOCM-10%O-90%M | 0.140         |

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

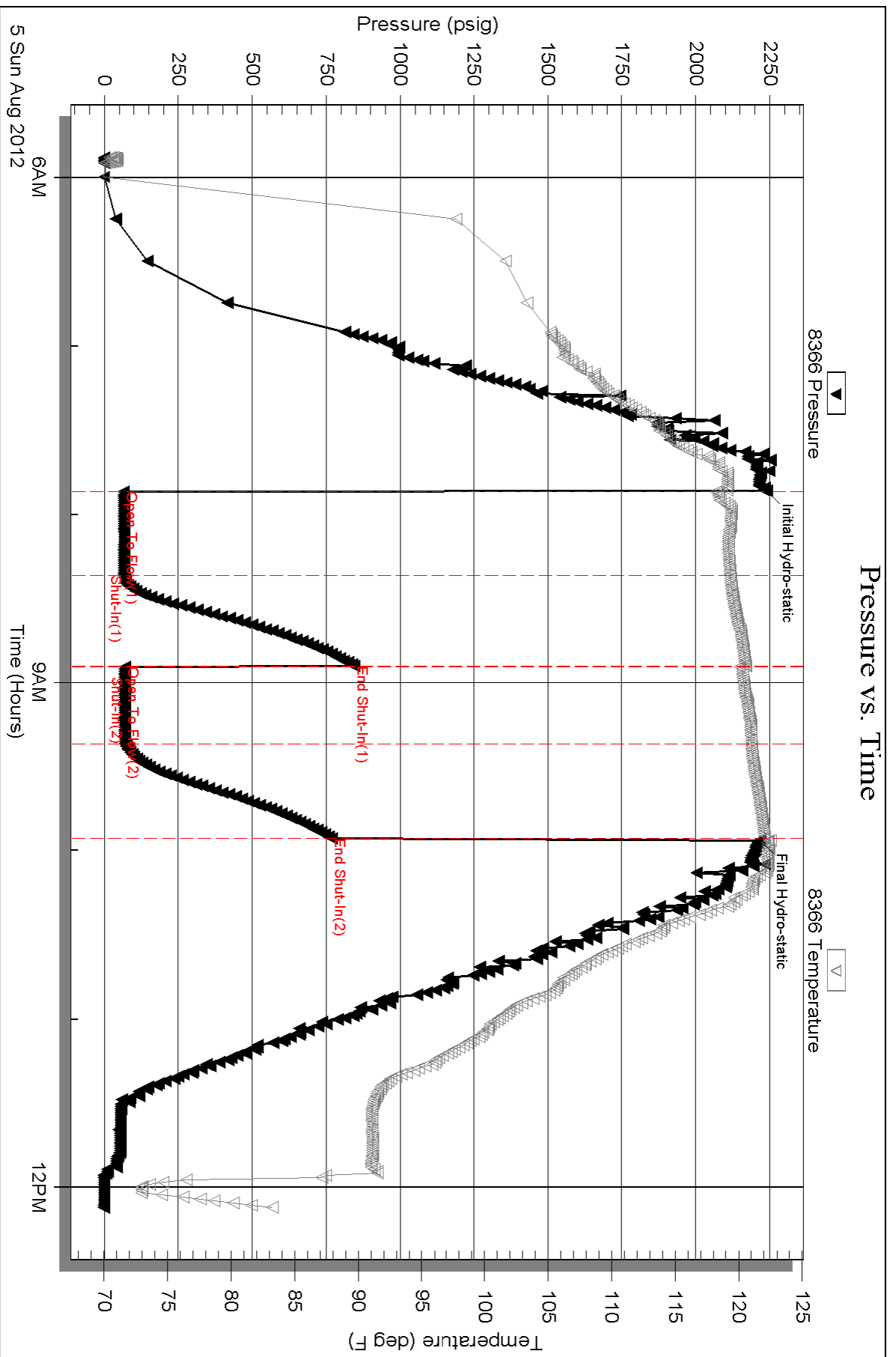
Serial #: 8366

Inside

Palomino Petroleum, Inc.

Bentley-Horchem #1

DST Test Number: 2



Serial #: 8289

Outside Palomino Petroleum, Inc.

Bentley-Horchem #1

DST Test Number: 2

