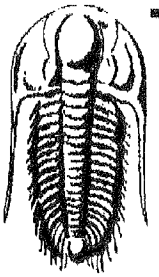
15-095-22155 7-30s-7w



TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Bramwell Petroleum Inc**

15183 SW 25 Ave
Spivey KS 67142-9074

ATTN: Doug Bramwell

**7 30S 7W Kingman KS**

**Kohman # 7**

Start Date: 2008.07.17 @ 08:54:28
End Date: 2008.07.17 @ 17:37:43
Job Ticket #: 33157 DST #: 1

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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

# DRILL STEM TEST REPORT

Bramwell Petroleum Inc

15183 SW 25 Ave
Spivey KS 67142-9074

ATTN: Doug Bramwell

**Kohman # 7**

**7 30S 7W Kingman KS**

Job Ticket: 33157 **DST#: 1**

Test Start: 2008.07.17 @ 08:54:28

## GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:55:58
Time Test Ended: 17:37:43

Test Type: Conventional Bottom Hole
Tester: Travy Cushenbery
Unit No: 30

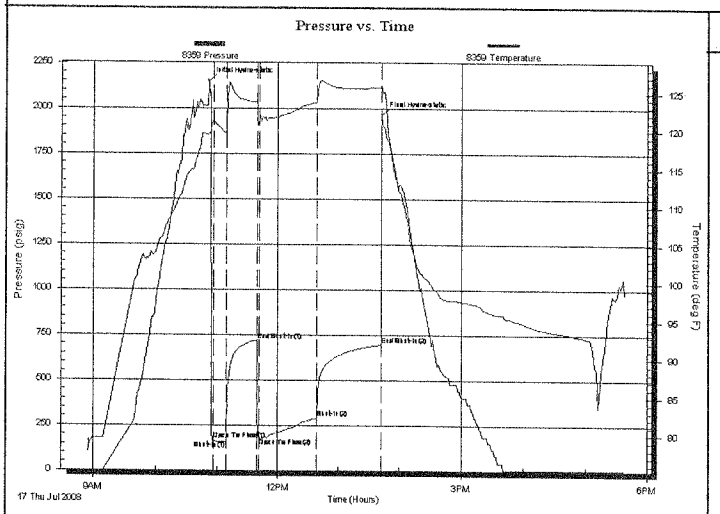
**Interval: 4133.00 ft (KB) To 4172.00 ft (KB) (TVD)**
Total Depth: 4172.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 10.00 ft (KB)
0.00 ft (CF)
KB to GR/CF: 10.00 ft

**Serial #: 8359** **Inside**
Press@RunDepth: 289.44 psig @ 4133.00 ft (KB)
Start Date: 2008.07.17 End Date: 2008.07.17
Start Time: 08:54:33 End Time: 17:37:43

Capacity: 7000.00 psig
Last Calib.: 2008.07.17
Time On Btm: 2008.07.17 @ 10:51:43
Time Off Btm: 2008.07.17 @ 13:43:13

TEST COMMENT: IF Strong blow BOB in 20 secs. GTS in 8 mins.see gas report
ISI Bled off strong blow back BOB in 19 mins.
FF Strong blow BOB immediately GTS see gas report
FSI Bled off strong blow back BOB in 20 m




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2147.69 | 119.58 | Initial Hydro-static |
| 5 | 166.75 | 121.34 | Open To Flow (1) |
| 18 | 164.10 | 119.82 | Shut-In(1) |
| 48 | 719.23 | 123.76 | End Shut-In(1) |
| 50 | 181.09 | 121.66 | Open To Flow (2) |
| 107 | 289.44 | 123.77 | Shut-In(2) |
| 171 | 694.62 | 125.74 | End Shut-In(2) |
| 172 | 1962.66 | 125.61 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 240.00 | WMGO 40%G 40%O 10%W 10%M | 2.24 |
| 240.00 | GMO 10%G 80%O 10%M | 3.37 |
| 240.00 | GMO 10%G 75%O 15%M | 3.37 |
| 840.00 | 100%G | 11.78 |
| | | |
| | | |

## Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|---|---|---|---|
| First Gas Rate | 1.00 | 3.00 | 500.23 |
| Last Gas Rate | 0.25 | 10.00 | 38.71 |
| Max. Gas Rate | 0.25 | 11.00 | 40.30 |

TRILOBITE TESTING, INC

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Bramwell Petroleum Inc

15183 SW 25 Ave
Spivey KS 67142-9074

ATTN: Doug Bramwell

**Kohman # 7**

**7 30S 7W Kingman KS**

Job Ticket: 33157 **DST#: 1**

Test Start: 2008.07.17 @ 08:54:28

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4013.00 ft | Diameter: | 3.80 inches | Volume: | 56.29 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: | 124.00 ft | Diameter: | 2.25 inches | Volume: | 0.61 bbl | Weight to Pull Loose: | 80000.00 lb | |
| | | | | | Total Volume: | 56.90 bbl | Tool Chased | 0.00 ft | |
| Drill Pipe Above KB: | | 32.00 ft | | | | | String Weight: Initial | 60000.00 lb | |
| Depth to Top Packer: | | 4133.00 ft | | | | | Final | 67000.00 lb | |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval between Packers: | | 39.00 ft | | | | | | | |
| Tool Length: | | 67.00 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 | | | 4110.00 | | |
| Hydraulic tool | 5.00 | | | 4115.00 | | |
| Jars | 5.00 | | | 4120.00 | | |
| Safety Joint | 3.00 | | | 4123.00 | | |
| Packer | 5.00 | | | 4128.00 | 28.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4133.00 | | |
| Recorder | 0.00 | 8359 | Inside | 4133.00 | | |
| Recorder | 0.00 | 8354 | Inside | 4133.00 | | |
| Perforations | 36.00 | | | 4169.00 | | |
| Bullnose | 3.00 | | | 4172.00 | 39.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **67.00** | | | | | |

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TRILOBITE TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bramwell Petroleum Inc

15183 SW 25 Ave
Spivey KS 67142-9074

ATTN: Doug Bramwell

**Kohman # 7**

**7 30S 7W Kingman KS**

Job Ticket: 33157 **DST#: 1**

Test Start: 2008.07.17 @ 08:54:28

## 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: | 52.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 10.39 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4000.00 ppm | | | | |
| Filter Cake: | 0.20 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 240.00 | WMGO 40%G 40%O 10%W 10%M | 2.237 |
| 240.00 | GMO 10%G 80%O 10%M | 3.367 |
| 240.00 | GMO 10%G 75%O 15%M | 3.367 |
| 840.00 | 100%G | 11.783 |

Total Length: 1560.00 ft Total Volume: 20.754 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**GAS RATES**

Bramwell Petroleum Inc

15183 SW 25 Ave
Spivey KS 67142-9074

ATTN: Doug Bramwell

**Kohman # 7**

**7 30S 7W Kingman KS**

Job Ticket: 33157 **DST#: 1**

Test Start: 2008.07.17 @ 08:54:28

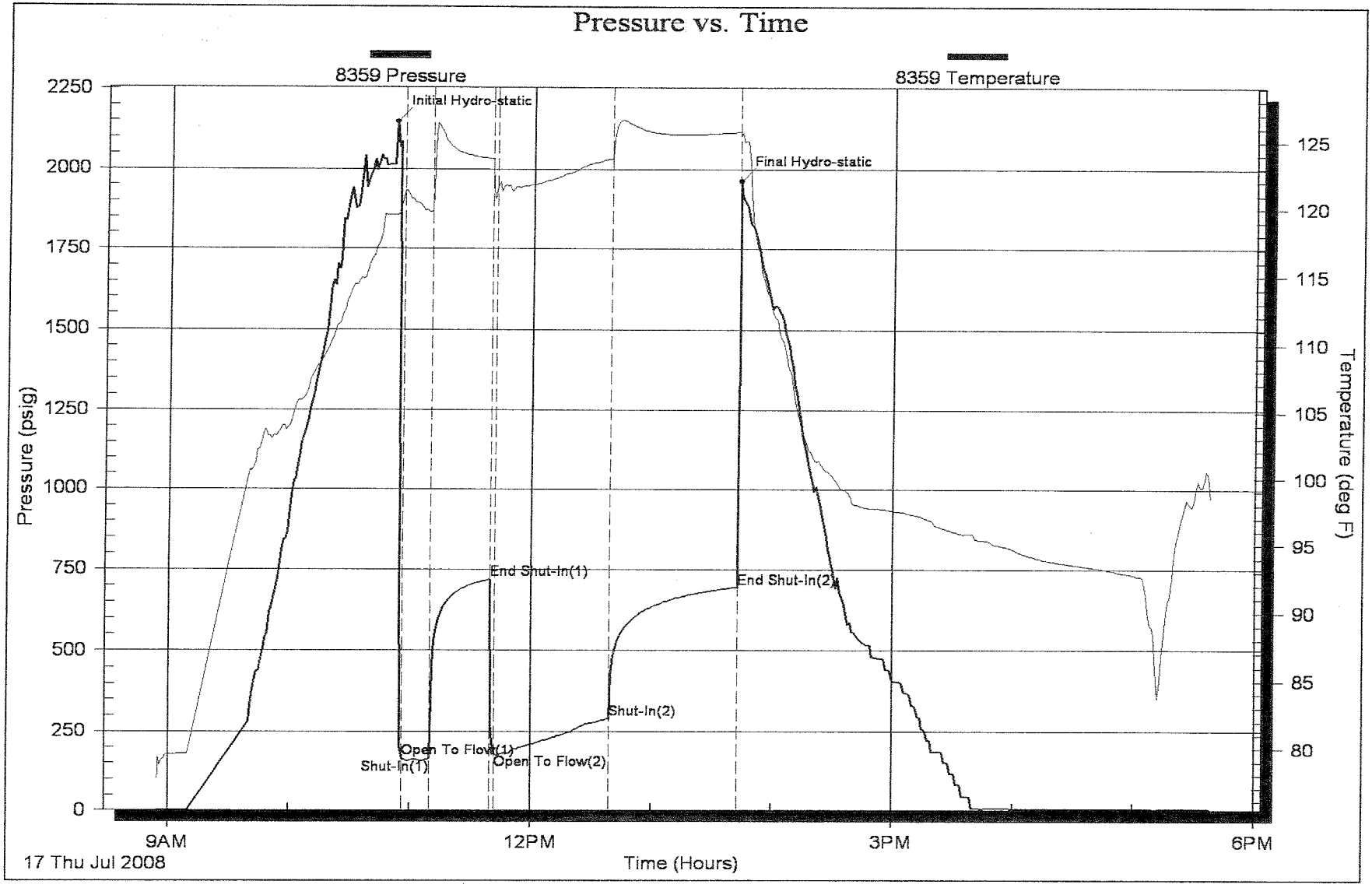
## Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate ($m^3/d$) |
|---|---|---|---|---|
| 1 | 10 | 1.00 | 3.00 | 500.23 |
| 1 | 10 | 1.00 | 3.00 | 500.23 |
| 1 | 15 | 1.00 | 2.00 | 471.48 |
| 2 | 10 | 0.50 | 8.00 | 151.10 |
| 2 | 20 | 0.50 | 7.00 | 144.36 |
| 2 | 30 | 0.50 | 5.00 | 130.87 |
| 2 | 40 | 0.25 | 11.00 | 40.30 |
| 2 | 50 | 0.25 | 10.00 | 38.71 |

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Pressure vs. Time
8359 Pressure
8359 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
Time (Hours)
17 Thu Jul 2008
9AM
12PM
3PM
6PM
2250
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80