

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Ron's Oil Operations Inc**

1889 200th Ave
Penokee Ks 67668

ORIGINAL

ATTN: Ron Nichelson

**7-13s-20w Ellis**

**Bittle #1**

Start Date: 2005.04.06 @ 10:51:27
End Date: 2005.04.06 @ 17:20:26
Job Ticket #: 21111 DST #: 1

API# 15-051-25402-00-00

Trilobite Testing, Inc
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**Bittle #1**

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Job Ticket: 21111 **DST#: 1**

Test Start: 2005.04.06 @ 10:51:27

## GENERAL INFORMATION:

Formation: **LKC A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:50:56
Time Test Ended: 17:20:26

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 28

**Interval: 3446.00 ft (KB) To 3503.00 ft (KB) (TVD)**
Total Depth: 3503.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2158.00 ft (KB)
2153.00 ft (CF)
KB to GR/CF: 5.00 ft

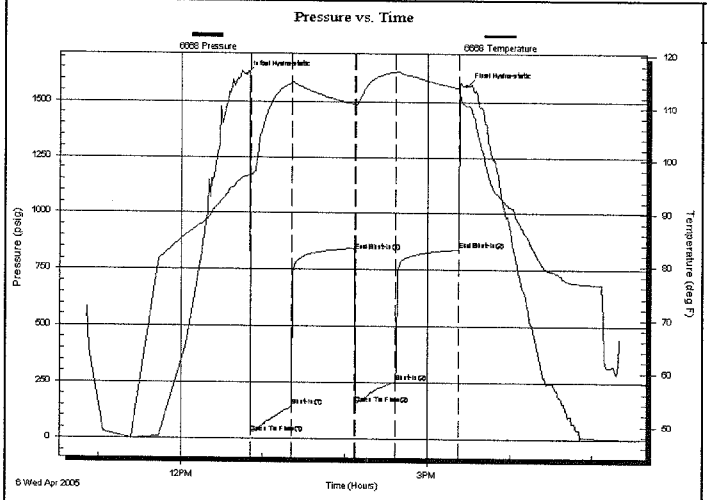
**Serial #: 6668** **Inside**

Press@RunDepth: 256.64 psig @ 3449.01 ft (KB)
Start Date: 2005.04.06 End Date: 2005.04.06
Start Time: 10:51:27 End Time: 17:20:26

Capacity: 7000.00 psig
Last Calib.: 2005.04.06
Time On Btm: 2005.04.06 @ 12:47:26
Time Off Btm: 2005.04.06 @ 15:28:26

TEST COMMENT: IFP-w k to strg in 8 min
FFP-w k to strg in 20 min
Times 30-45-30-45

ORIGINAL




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1619.47 | 97.04 | Initial Hydro-static |
| 4 | 26.38 | 97.20 | Open To Flow (1) |
| 34 | 142.96 | 114.86 | Shut-In(1) |
| 80 | 832.55 | 110.84 | End Shut-In(1) |
| 80 | 156.00 | 110.58 | Open To Flow (2) |
| 109 | 256.64 | 116.90 | Shut-In(2) |
| 155 | 840.52 | 113.85 | End Shut-In(2) |
| 161 | 1571.13 | 110.49 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 80.00 | MW 30%M 70%W w/show of oil | 1.12 |
| 420.00 | Water RW.08 @ 70F | 5.89 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ron's Oil Operations Inc

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**Bittle #1**

**7-13s-20w Ellis**

Job Ticket: 21111 **DST#: 1**

Test Start: 2005.04.06 @ 10:51:27

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3440.00 ft | Diameter: | 3.80 inches | Volume: | 48.25 bbl | Tool Weight: | 2200.00 lb |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | Weight set on Packer: | 25000.00 lb |
| Drill Collar: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | Weight to Pull Loose: | 55000.00 lb |
| | | | | | Total Volume: | 48.25 bbl | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | | 15.00 ft | | | | | String Weight: Initial | 42000.00 lb |
| Depth to Top Packer: | | 3446.00 ft | | | | | Final | 45000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | |
| Interval betw een Packers: | | 57.02 ft | | | | | | |
| Tool Length: | | 78.02 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 | | | 3426.00 | | |
| Shut In Tool | 5.00 | | | 3431.00 | | |
| Hydraulic tool | 5.00 | | | 3436.00 | | |
| Packer | 5.00 | | | 3441.00 | 21.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 3446.00 | | |
| Stubb | 1.00 | | | 3447.00 | | |
| Perforations | 2.00 | | | 3449.00 | | |
| Recorder | 0.01 | 6668 | Inside | 3449.01 | | |
| Blank Spacing | 31.00 | | | 3480.01 | | |
| Recorder | 0.01 | 13534 | Outside | 3480.02 | | |
| Perforations | 20.00 | | | 3500.02 | | |
| Bullnose | 3.00 | | | 3503.02 | 57.02 | Bottom Packers & Anchor |
| **Total Tool Length:** | **78.02** | | | | | |

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ron's Oil Operations Inc

1889 200th Ave
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ATTN: Ron Nichelson

**Bittle #1**

**7-13s-20w Ellis**

Job Ticket: 21111 **DST#: 1**

Test Start: 2005.04.06 @ 10:51:27

## 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: | 98000 ppm |
| Viscosity: | 47.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.97 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 5000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

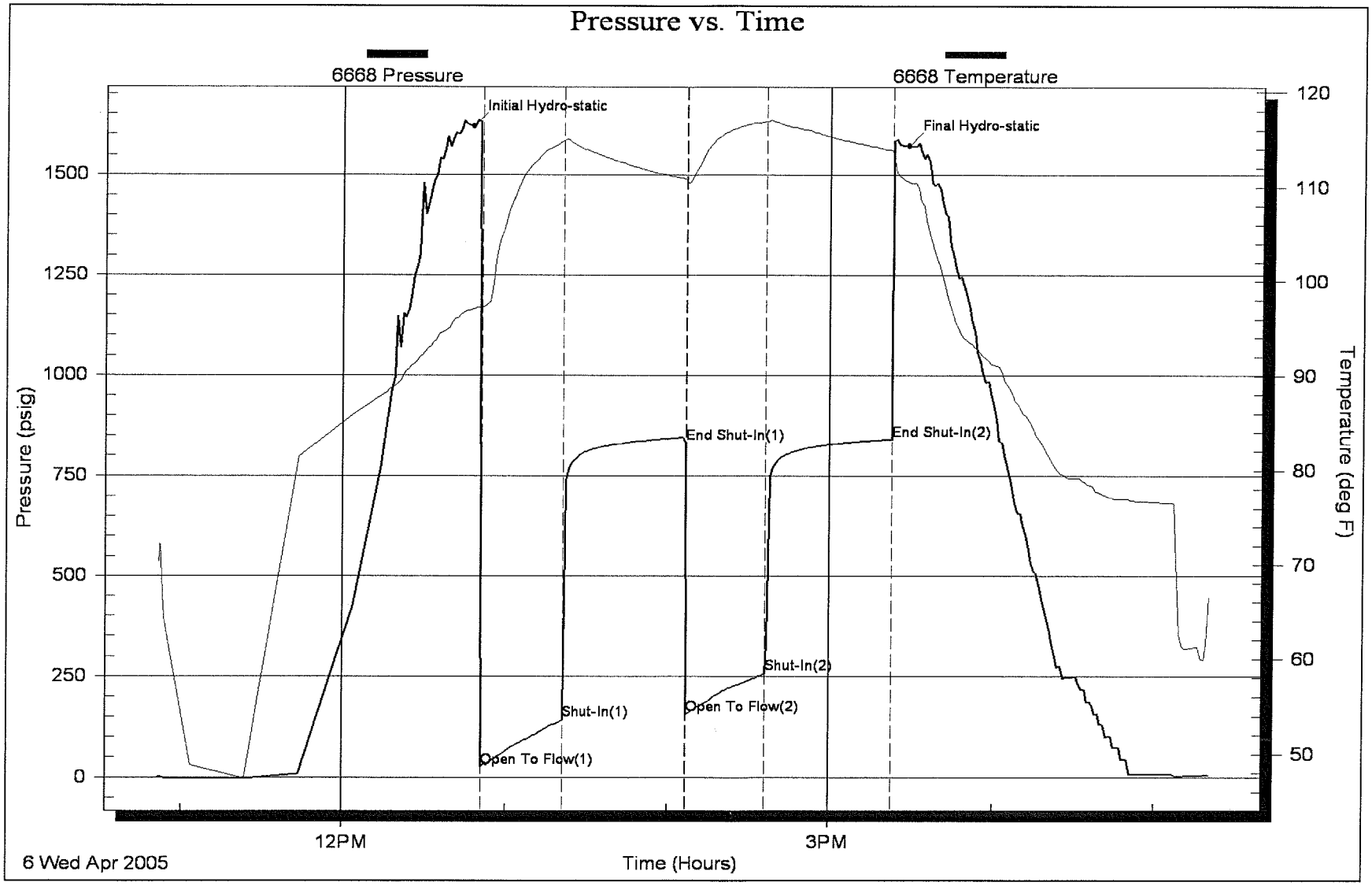
## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 80.00 | MW 30%M 70%W w/show of oil | 1.122 |
| 420.00 | Water RW.08 @ 70F | 5.891 |

Total Length: 500.00 ft Total Volume: 7.013 bbl

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


Pressure vs. Time
6668 Pressure
6668 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
12PM
3PM
6 Wed Apr 2005
Time (Hours)

## CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

