



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil
PO Box 8050
Edmond, Ok 73083
ATTN: Kitt Noah

31-15-14 Russell, Ks
Betty Radke "A" 1R
Job Ticket: 47132 **DST#: 3**
Test Start: 2012.05.27 @ 21:41:20

GENERAL INFORMATION:

Formation: **LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:29:50
Time Test Ended: 03:26:20
Interval: **3156.00 ft (KB) To 3173.00 ft (KB) (TVD)**
Total Depth: 3173.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 1916.00 ft (KB)
1907.00 ft (CF)
KB to GR/CF: 9.00 ft

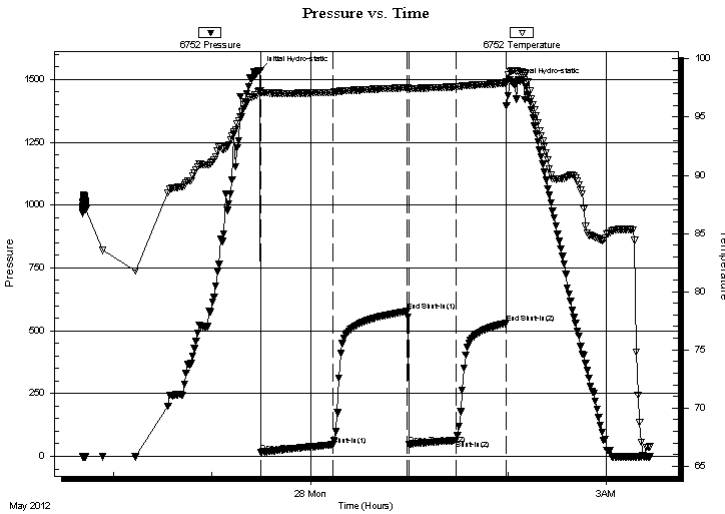
Serial #: 6752

Inside

Press @ Run Depth: 63.24 psig @ 3160.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.27 End Date: 2012.05.28 Last Calib.: 2012.05.28
Start Time: 21:41:21 End Time: 03:26:20 Time On Btm: 2012.05.27 @ 23:28:50
Time Off Btm: 2012.05.28 @ 02:02:50

TEST COMMENT: IFP - weak to fair blow 1/4" - 6"
ISI - no blow back
FFP - no blow 6 min - 1"
FSI - no blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1536.10 | 97.27 | Initial Hydro-static |
| 1 | 14.69 | 97.10 | Open To Flow (1) |
| 45 | 45.47 | 97.13 | Shut-In(1) |
| 90 | 576.85 | 97.53 | End Shut-In(1) |
| 91 | 48.53 | 97.44 | Open To Flow (2) |
| 120 | 63.24 | 97.60 | Shut-In(2) |
| 150 | 529.82 | 97.89 | End Shut-In(2) |
| 154 | 1488.05 | 98.98 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 74.00 | MW 95%W, 5%M | 1.04 |
| 1.00 | OIL TSTM | 0.01 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil
PO Box 8050
Edmond, Ok 73083
ATTN: Kitt Noah

31-15-14 Russell, Ks
Betty Radke "A" 1R
Job Ticket: 47132 **DST#: 3**
Test Start: 2012.05.27 @ 21:41:20

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: | 48000 ppm |
| Viscosity: 48.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 10.79 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 8500.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 74.00 | MW 95%W, 5%M | 1.038 |
| 1.00 | OIL TSTM | 0.014 |

Total Length: 75.00 ft Total Volume: 1.052 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6752

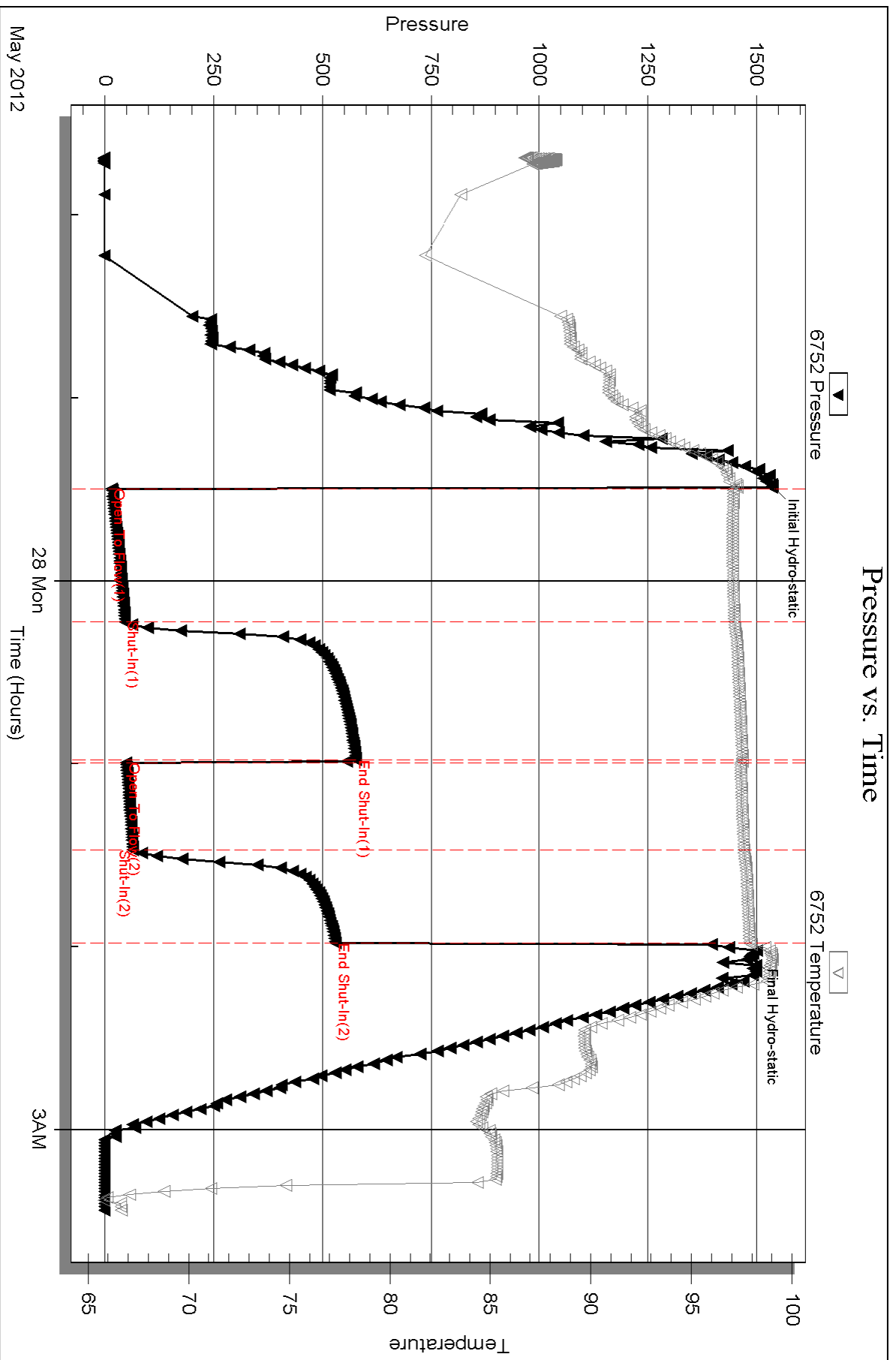
Inside

Russell Oil

Betty Radke "A" 1R

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47132

Printed: 2012.05.28 @ 09:18:32

Serial #: 6741

Outside Russell Oil

Betty Radke "A" 1R

DST Test Number: 3

