



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Culbeath Oil & Gas

7 5 35 Rawlins KS

3501 S Yale AVE
Tulsa OK 74135

Dewey Trust 2-7 A

ATTN: Anthony Luna

Job Ticket: 65071

DST#: 2

Test Start: 2015.07.08 @ 23:00:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:23:00

Time Test Ended: 06:43:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 66

Interval: 4490.00 ft (KB) To 4524.00 ft (KB) (TVD)

Reference Elevations: 3246.00 ft (KB)

Total Depth: 4524.00 ft (KB) (TVD)

3241.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 19.01 psig @ 4491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.08

End Date:

2015.07.09

Last Calib.: 2015.07.09

Start Time: 23:00:05

End Time:

06:43:29

Time On Btm: 2015.07.09 @ 01:22:30

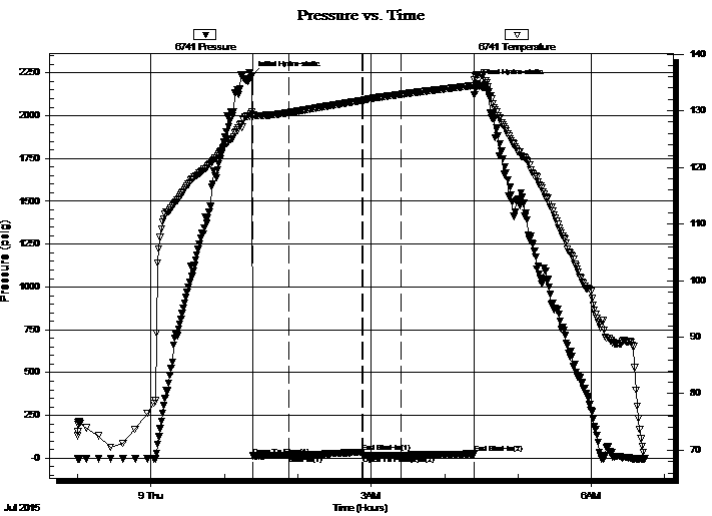
Time Off Btm: 2015.07.09 @ 04:26:00

TEST COMMENT: 30-IS- Blow built to 3/4" died back to 1/4"

60-IS- No return

30-FF- No blow

60-FS- No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2232.29 | 129.72 | Initial Hydro-static |
| 1 | 14.16 | 128.98 | Open To Flow (1) |
| 31 | 16.30 | 129.67 | Shut-In(1) |
| 90 | 36.09 | 131.79 | End Shut-In(1) |
| 91 | 17.26 | 131.80 | Open To Flow (2) |
| 122 | 19.01 | 132.90 | Shut-In(2) |
| 182 | 27.05 | 134.44 | End Shut-In(2) |
| 184 | 2185.14 | 136.36 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 5.00 | MUD w ith oil spots 100%M | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



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TESTING, INC**

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FLUID SUMMARY

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7 5 35 Rawlins KS

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Dewey Trust 2-7 A

Job Ticket: 65071

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.07.08 @ 23:00:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------|---------------|
| 5.00 | MUD with oil spots 100%M | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

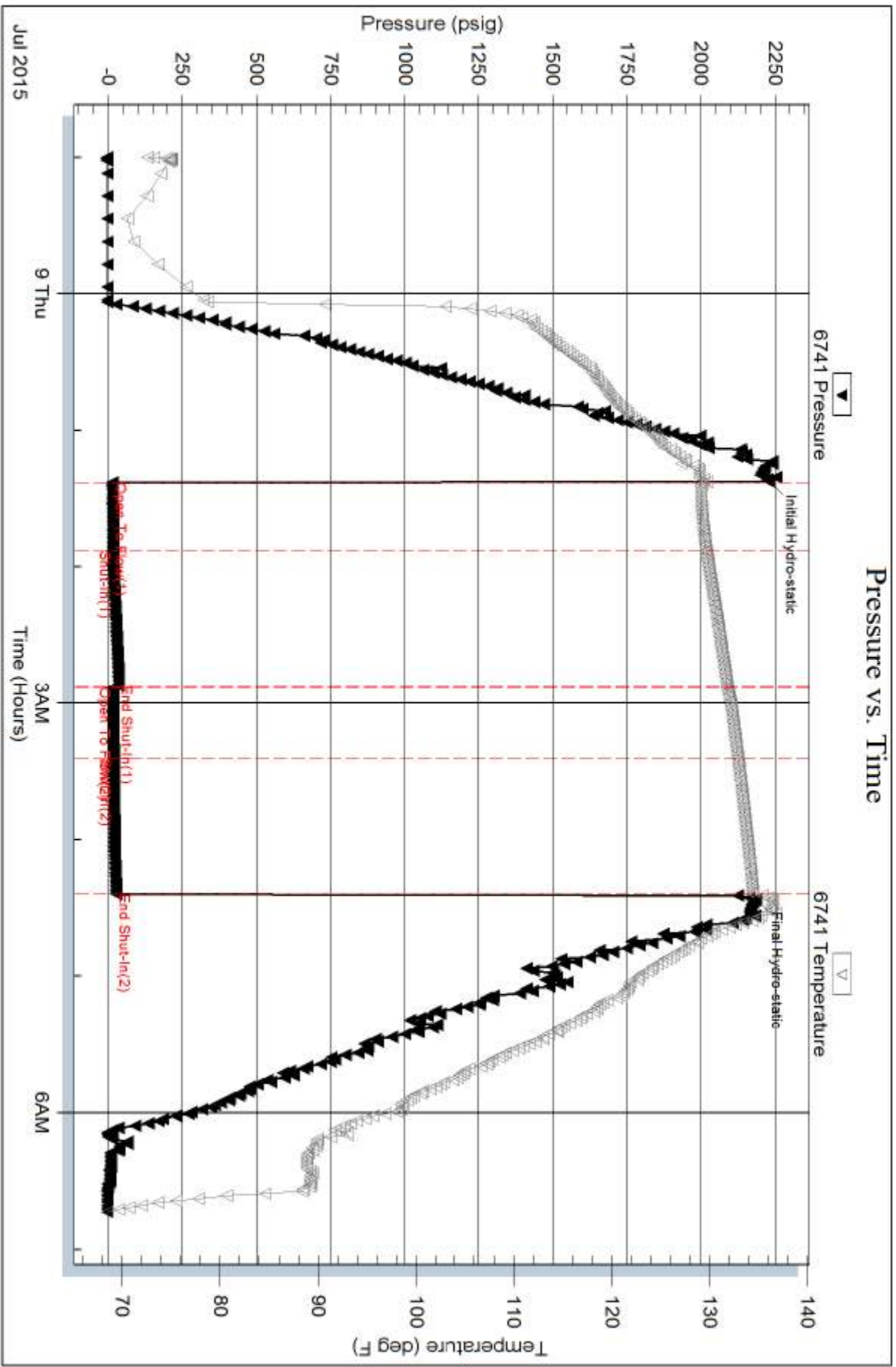
Serial #: 6741

Inside

Culbath Oil & Gas

Dewey Trust 2-7 A

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65071

Printed: 2015.07.09 @ 08:15:10