



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc
 P.O. Box 8050
 Edmond, Ok 73083
 ATTN: Kitt Noah

29-11s-32w Logan, Ks
Bowie 29-1
 Job Ticket: 63865 **DST#: 1**
 Test Start: 2017.08.04 @ 04:10:32

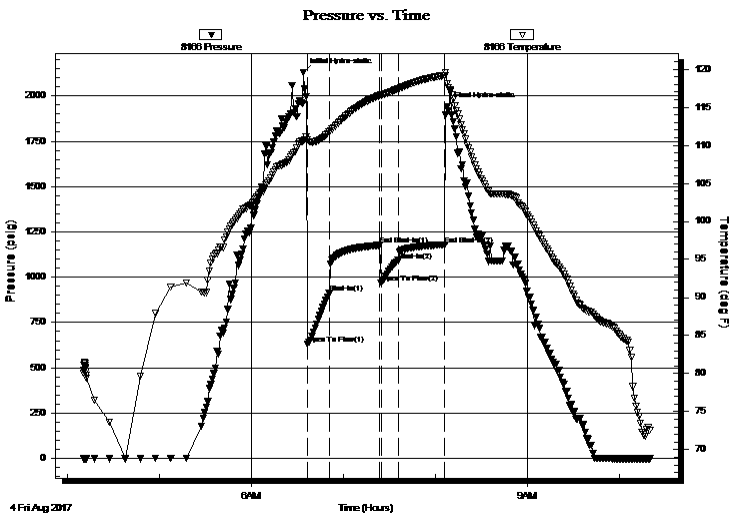
GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:36:32
 Time Test Ended: 10:20:02
 Interval: **4031.00 ft (KB) To 4076.00 ft (KB) (TVD)**
 Total Depth: 4076.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3078.00 ft (KB)
 3073.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 1092.24 psig @ 4032.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.04 End Date: 2017.08.04 Last Calib.: 2017.08.04
 Start Time: 04:10:37 End Time: 10:20:01 Time On Btm: 2017.08.04 @ 06:34:02
 Time Off Btm: 2017.08.04 @ 08:07:32

TEST COMMENT: IF: BOB in 1 min.
 IS: No return.
 FF: BOB in 1 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.51	110.62	Initial Hydro-static
3	632.15	110.70	Open To Flow (1)
17	910.24	111.70	Shut-In(1)
50	1176.02	116.54	End Shut-In(1)
51	968.91	116.56	Open To Flow (2)
62	1092.24	117.39	Shut-In(2)
92	1179.76	119.18	End Shut-In(2)
94	1940.82	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1674.00	water 100%w	22.39
310.00	mcw 90%w 10%m	4.35
341.00	w cm 30%w 70%m	4.78

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

29-11s-32w Logan, Ks

P.O. Box 8050
Edmond, Ok 73083

Bowie 29-1

Job Ticket: 63865

DST#: 1

ATTN: Kitt Noah

Test Start: 2017.08.04 @ 04:10:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

75000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1674.00	water 100%w	22.389
310.00	mcw 90%w 10%m	4.348
341.00	w cm 30%w 70%m	4.783

Total Length: 2325.00 ft Total Volume: 31.520 bbl

Num Fluid Samples: 0

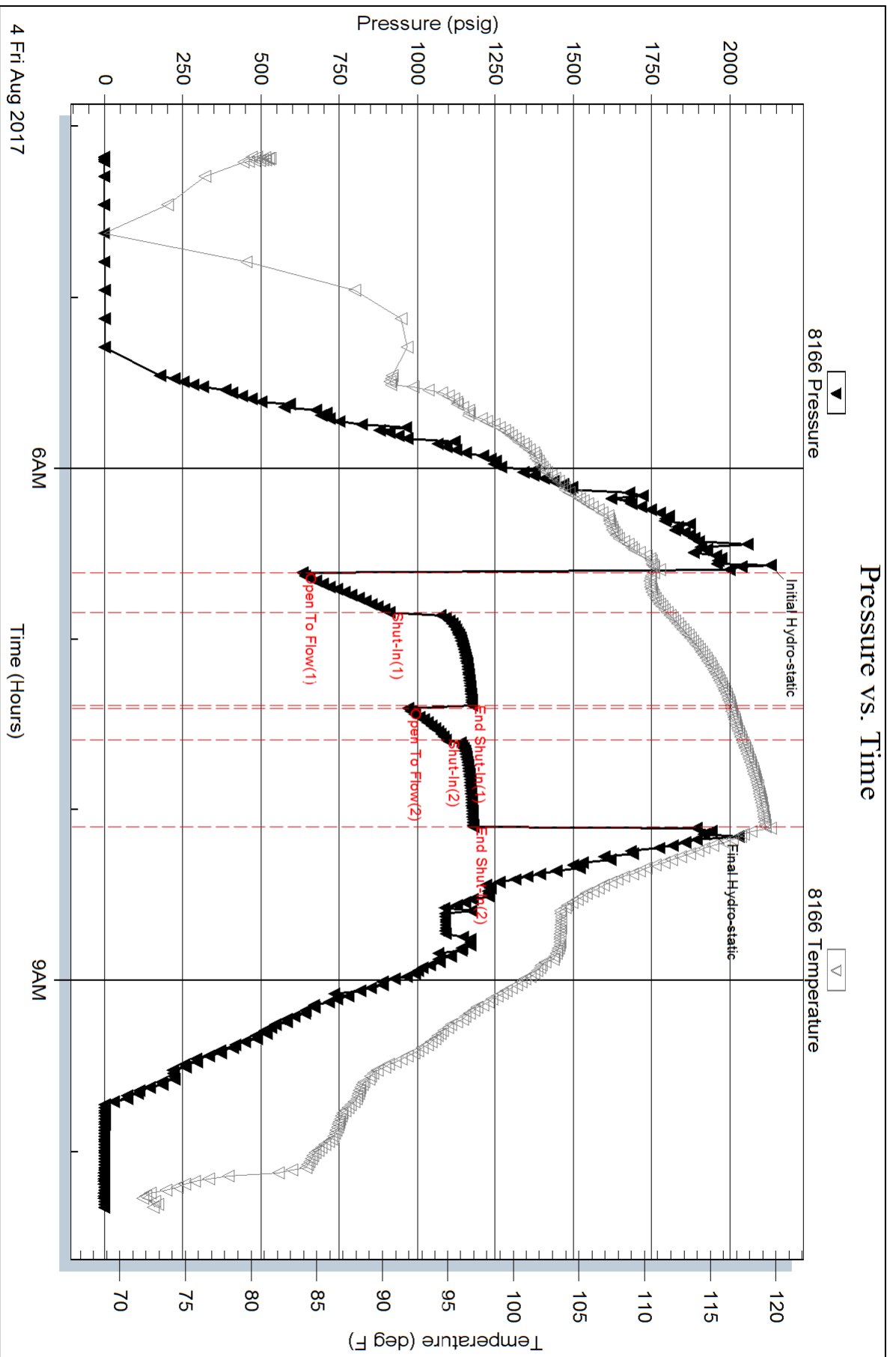
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .12@61=75000



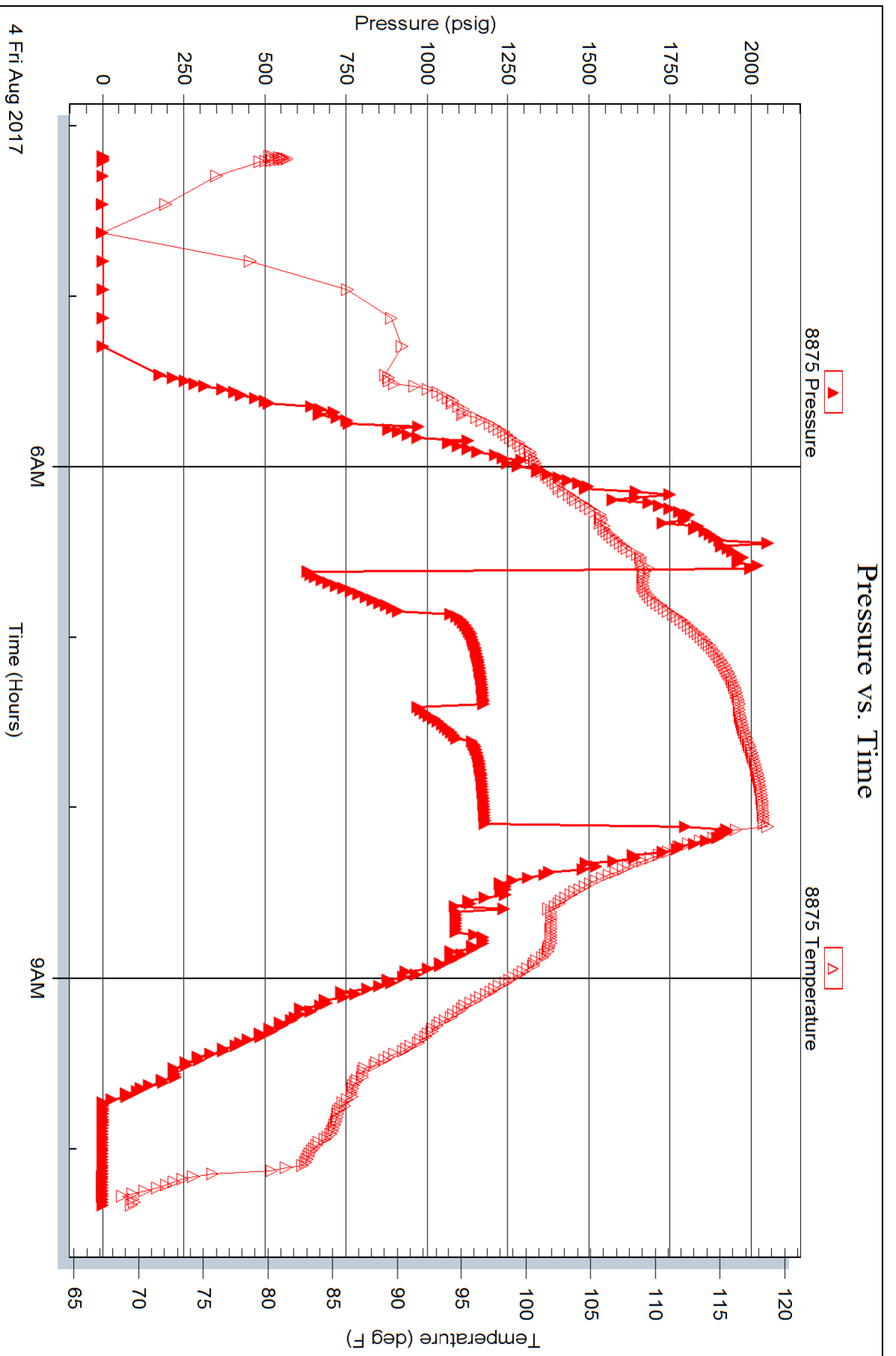
Serial #: 8875

Inside

Russell Oil Inc

Bowie 29-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63865

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