



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

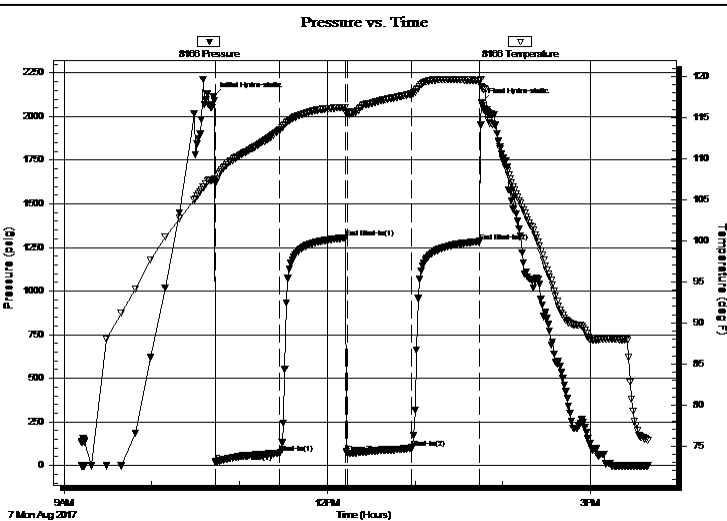
29-11s-32w Logan, Ks
Bowie 29-1
Job Ticket: 63870 **DST#: 6**
Test Start: 2017.08.07 @ 09:11:59

GENERAL INFORMATION:

Formation: LKC K	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Brandon Turley
Time Tool Opened: 10:43:29	Unit No: 79
Time Test Ended: 15:39:29	Reference Elevations: 3078.00 ft (KB)
Interval: 4294.00 ft (KB) To 4324.00 ft (KB) (TVD)	3073.00 ft (CF)
Total Depth: 4324.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches Hole Condition: Good	

Serial #: 8166	Outside	Capacity: 8000.00 psig
Press@RunDepth: 98.20 psig @ 4295.00 ft (KB)	Start Date: 2017.08.07	Last Calib.: 2017.08.07
Start Time: 09:12:04	End Date: 2017.08.07	Time On Btm: 2017.08.07 @ 10:41:59
End Time: 15:39:28	Time Off Btm: 2017.08.07 @ 13:45:29	

TEST COMMENT: IF: BOB in 15 min.
IS: Surface blow died in 15 min.
FF: BOB in 10 min.
FS: Surface blow built to 1 died in 30 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.47	107.42	Initial Hydro-static
2	18.99	107.02	Open To Flow (1)
46	71.49	113.48	Shut-In(1)
91	1305.57	116.21	End Shut-In(1)
92	70.01	115.70	Open To Flow (2)
136	98.20	117.87	Shut-In(2)
182	1284.33	119.48	End Shut-In(2)
184	2078.34	118.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcgo 40%g 40%o 20%m	0.65
124.00	mcgo 20%g 60%o 20%m	1.74
0.00	806 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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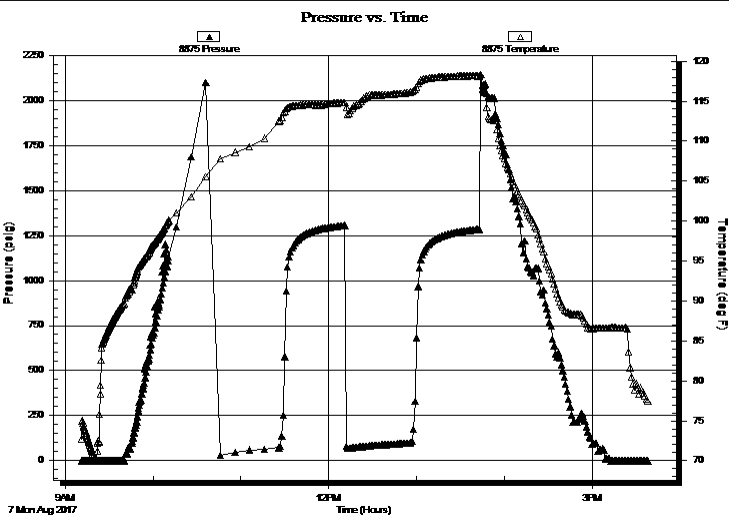
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Bowie 29-1
Job Ticket: 63870 **DST#: 6**
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GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:43:29
Time Test Ended: 15:39:29
Interval: **4294.00 ft (KB) To 4324.00 ft (KB) (TVD)**
Total Depth: 4324.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3078.00 ft (KB)
3073.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8875 Inside
Press@RunDepth: psig @ 4295.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.08.07 End Date: 2017.08.07 Last Calib.: 2017.08.07
Start Time: 09:11:13 End Time: 15:38:03 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: BOB in 15 min.
IS: Surface blow died in 15 min.
FF: BOB in 10 min.
FS: Surface blow built to 1 died in 30 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcgo 40%g 40%o 20%m	0.65
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0.00	806 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

Russell Oil Inc

29-11s-32w Logan, Ks

P.O. Box 8050
Edmond, Ok 73083

Bowie 29-1

Job Ticket: 63870

DST#: 6

ATTN: Kitt Noah

Test Start: 2017.08.07 @ 09:11:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 92.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcgo 40%g 40%o 20%m	0.646
124.00	mcgo 20%g 60%o 20%m	1.739
0.00	806 GIP	0.000

Total Length: 248.00 ft

Total Volume: 2.385 bbl

Num Fluid Samples: 0

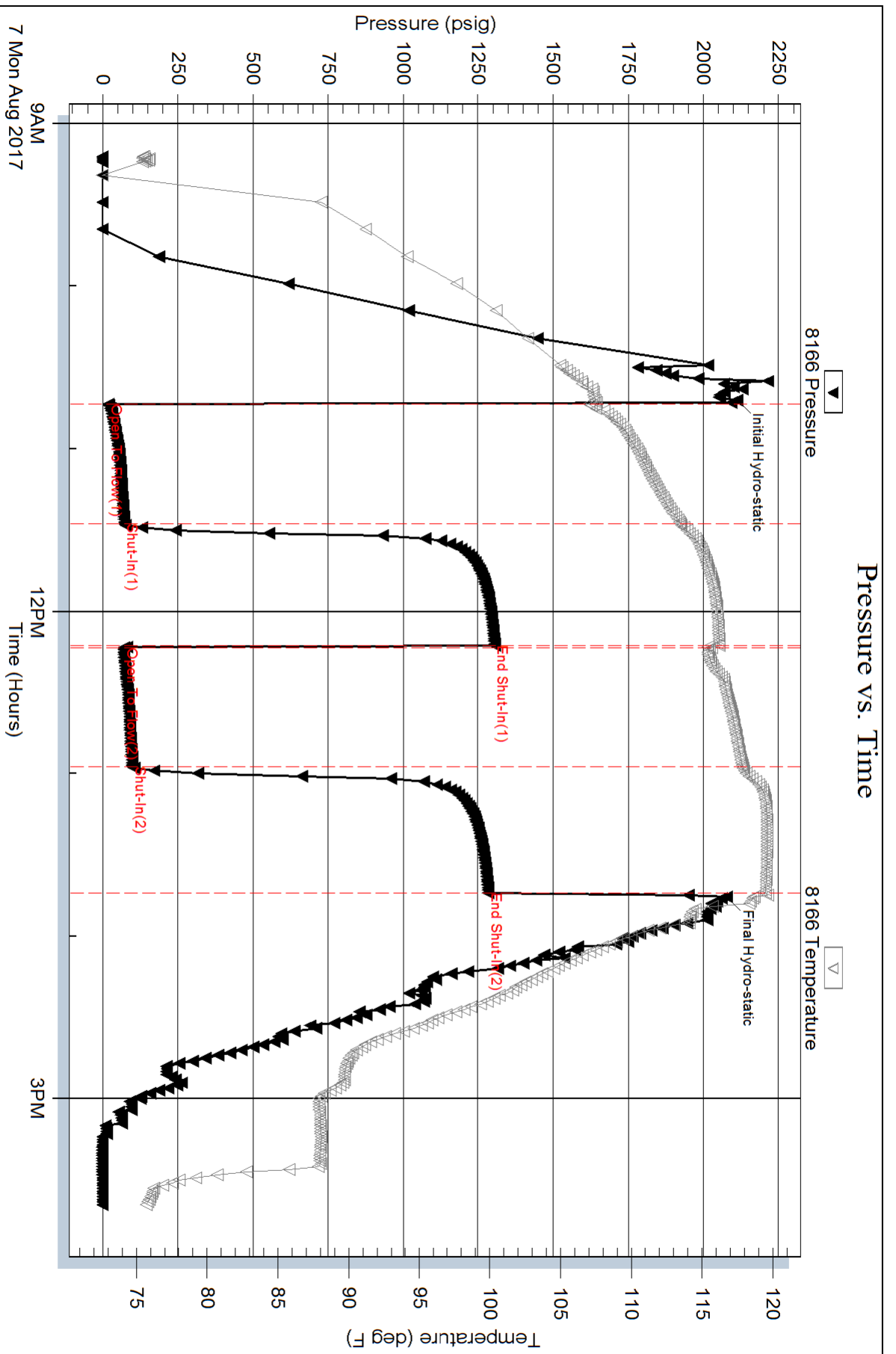
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8875

Inside

Russell Oil Inc

Bowie 29-1

DST Test Number: 6

