



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil And Gas Comp.Inc.

27-14-34 Logan Co KS

3501 S.Yale Ave
Tulsa OK
74135
ATTN: Larry Nicholson

Krannawitter 1-27

Job Ticket: 63600 **DST#: 2**
Test Start: 2018.05.23 @ 06:06:00

GENERAL INFORMATION:

Formation: **Pawnee-Ft.Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:23:00
 Time Test Ended: 12:06:30
 Interval: **4384.00 ft (KB) To 4465.00 ft (KB) (TVD)**
 Total Depth: 4465.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 3016.00 ft (KB)
 3011.00 ft (CF)
 KB to GR/CF: 5.00 ft

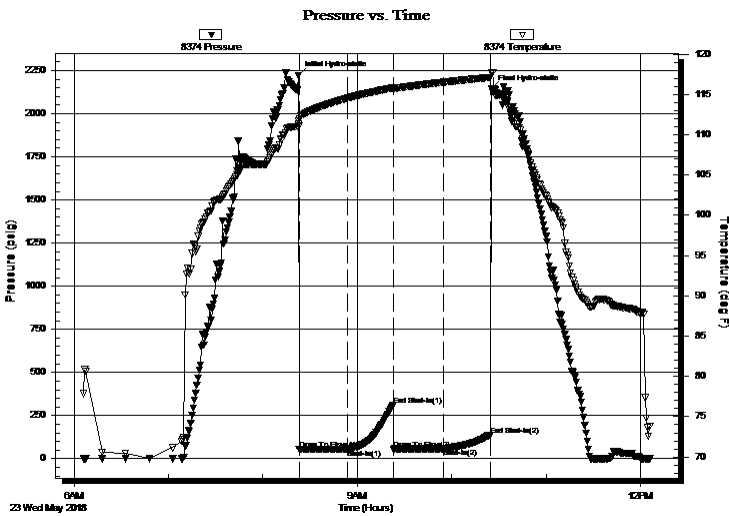
Serial #: 8374

Outside

Press@RunDepth: 58.24 psig @ 4424.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.23 End Date: 2018.05.23 Last Calib.: 2018.05.23
 Start Time: 06:06:00 End Time: 12:06:30 Time On Btm: 2018.05.23 @ 08:22:45
 Time Off Btm: 2018.05.23 @ 10:25:30

TEST COMMENT: IF:Very weak surface blow
 IS:No return blow
 FF:No blow
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.22	111.72	Initial Hydro-static
1	55.99	111.13	Open To Flow (1)
31	56.47	114.55	Shut-In(1)
60	312.21	115.83	End Shut-In(1)
61	56.30	115.67	Open To Flow (2)
92	58.24	116.54	Shut-In(2)
122	135.19	117.13	End Shut-In(2)
123	2142.33	117.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.21

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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74135

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Job Ticket: 63600

DST#: 2

ATTN: Larry Nicholson

Test Start: 2018.05.23 @ 06:06:00

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:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 24000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

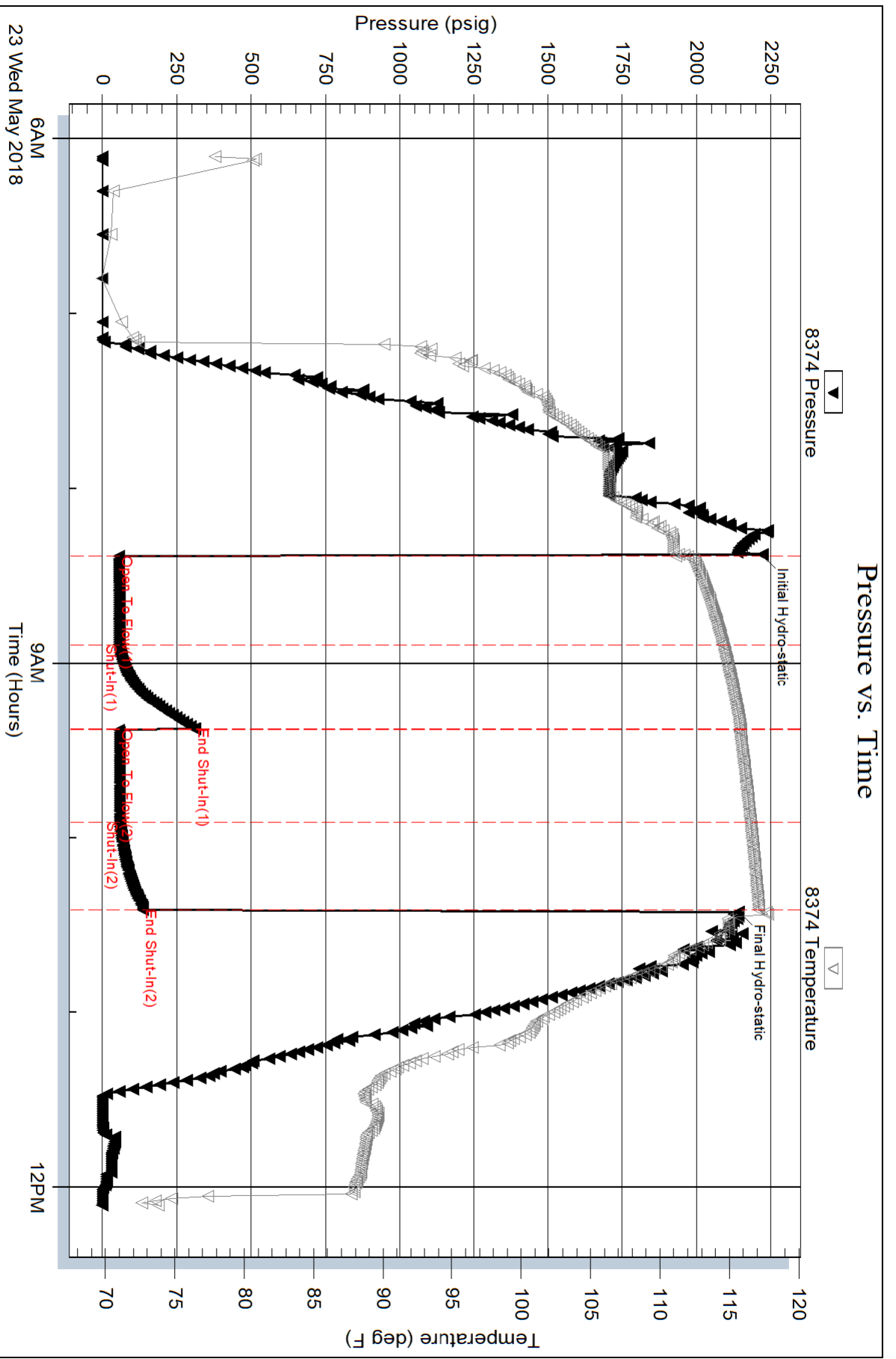
Recovery Comments:

Serial #: 8374

Outside Culbreath Oil And Gas Comp. Inc.

Kranawiter 1-27

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63600

Printed: 2018.05.23 @ 17:22:27

