



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coachman Energy Operating Co., LLC

23-15S-20W Ellis, KS

1125 17th St.
Suite 410
Denver, CO 80202
ATTN: Charlie Sturdavant

Wasinger #1-23-15-20

Job Ticket: 63200 **DST#: 4**

Test Start: 2017.06.26 @ 09:51:46

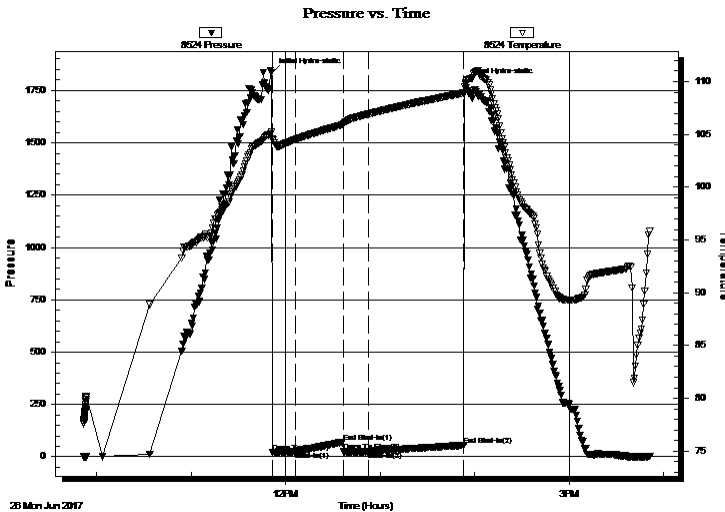
GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:51:37
 Time Test Ended: 15:51:37
 Interval: **3612.00 ft (KB) To 3680.00 ft (KB) (TVD)**
 Total Depth: 3680.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2074.00 ft (KB)
 2066.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8524 Outside
 Press@RunDepth: 24.88 psig @ 3616.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.26 End Date: 2017.06.26 Last Calib.: 2017.06.26
 Start Time: 09:51:47 End Time: 15:51:37 Time On Btm: 2017.06.26 @ 11:51:22
 Time Off Btm: 2017.06.26 @ 13:54:07

TEST COMMENT: 15- IF- Weak blow built to .5"
 30- IS- No blow
 15- FF- No blow
 60- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.95	105.21	Initial Hydro-static
1	22.54	104.61	Open To Flow (1)
15	24.30	104.51	Shut-In(1)
45	70.08	105.93	End Shut-In(1)
46	24.41	105.97	Open To Flow (2)
62	24.88	106.92	Shut-In(2)
122	55.28	108.91	End Shut-In(2)
123	1786.26	109.78	Final Hydro-static

Recovery

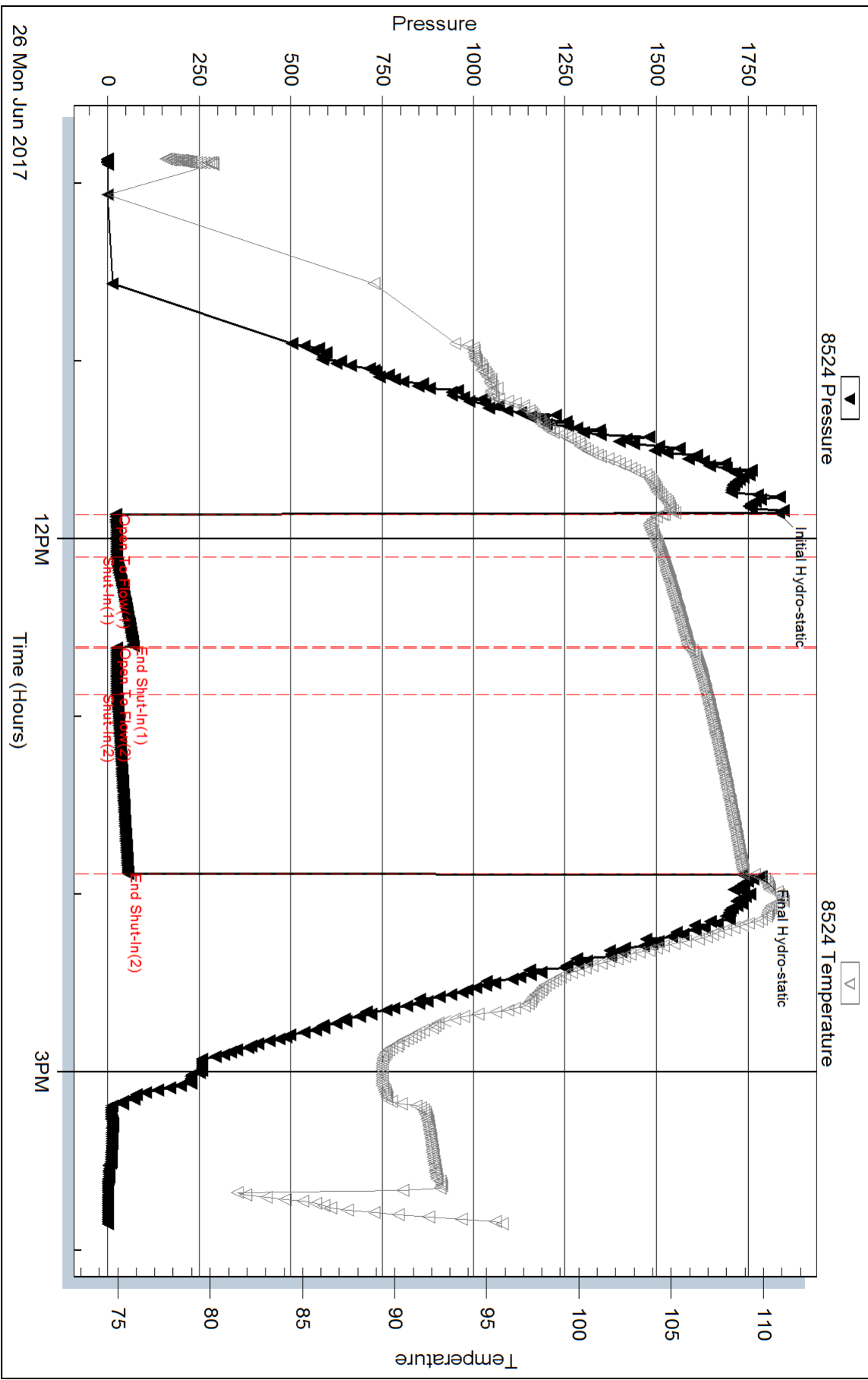
Length (ft)	Description	Volume (bbl)
5.00	M	0.07

* Recovery from multiple tests

Gas Rates

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

Pressure vs. Time



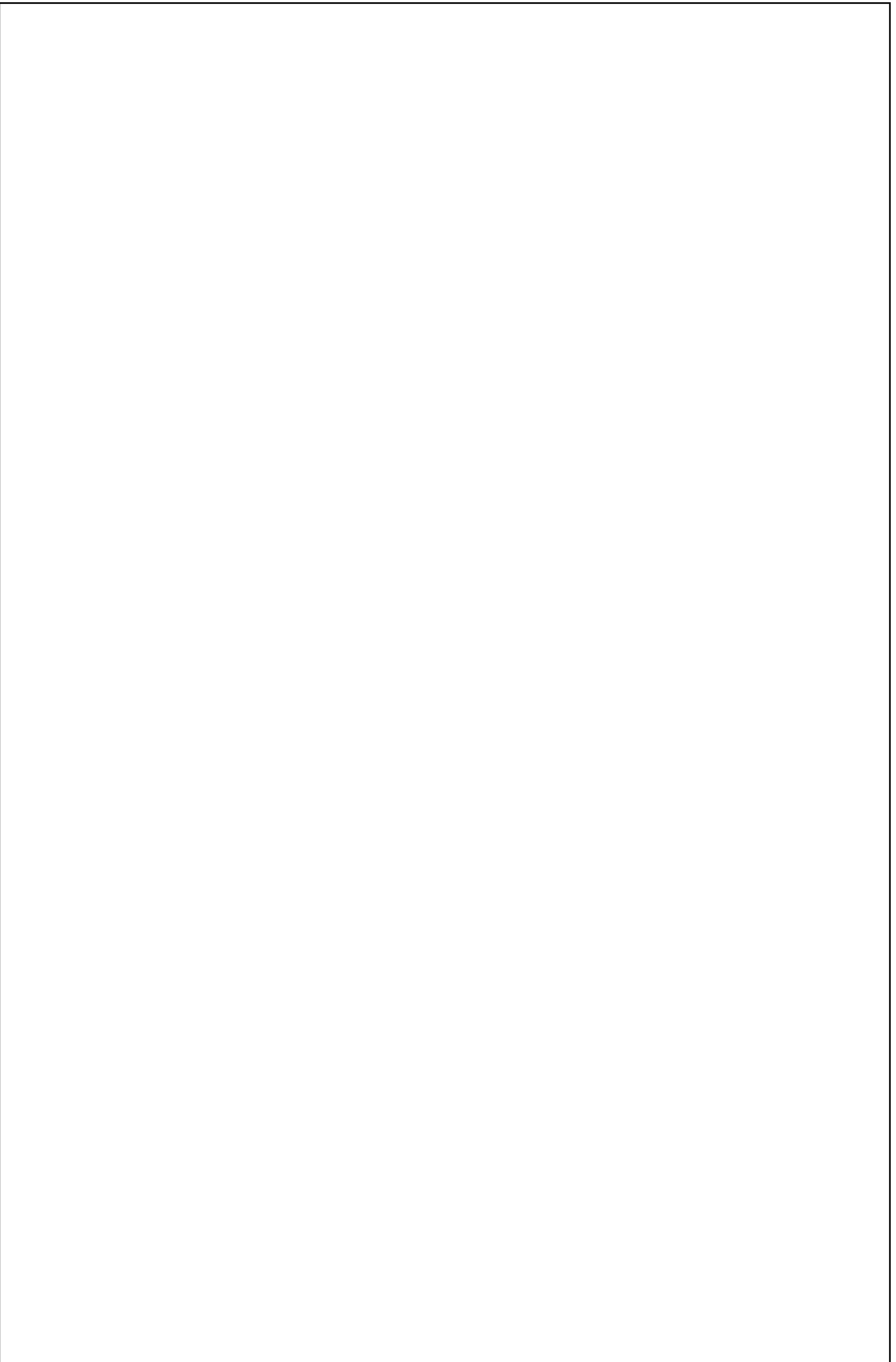
Serial #: 6838

Inside

Coachman Energy Operating Co., LLC

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DST Test Number: 4



Triobite Testing, Inc

Ref. No: 63200

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