



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration Inc.

3-18s-33w Scott Co KS

8100 E. 22nd. St.
N #700 Box 783188
Wichita Ks 67278
ATTN: John Goldsmith

L-Bo Land 3 C #1

Job Ticket: 61339

DST#: 4

Test Start: 2017.02.25 @ 16:41:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:34:45

Time Test Ended: 22:45:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4648.00 ft (KB) To 4714.00 ft (KB) (TVD)

Reference Elevations: 3006.00 ft (KB)

Total Depth: 4714.00 ft (KB) (TVD)

3001.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 77.49 psig @ 4687.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.02.25

End Date:

2017.02.25

Last Calib.:

2017.02.25

Start Time: 16:41:15

End Time:

22:45:30

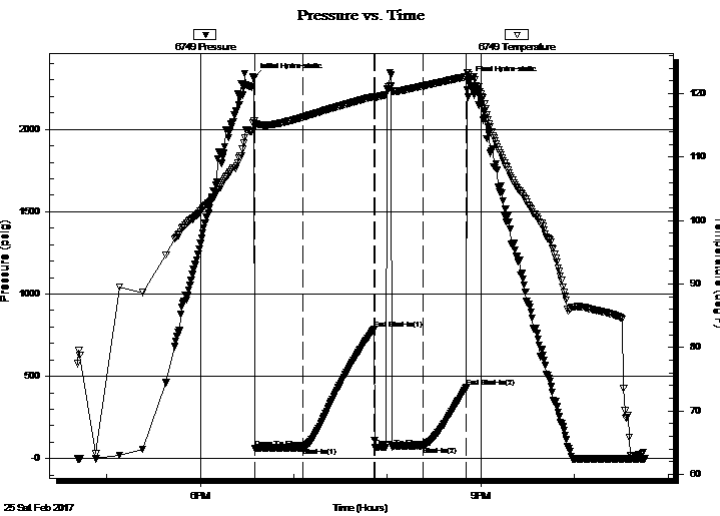
Time On Btm:

2017.02.25 @ 18:34:30

Time Off Btm:

2017.02.25 @ 20:52:00

TEST COMMENT: IF: Built to 1" blow
IS: No return blow
FF: No blow ----flushed tool---no blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.56	115.63	Initial Hydro-static
1	62.65	114.69	Open To Flow (1)
32	65.60	116.31	Shut-In(1)
77	786.91	119.54	End Shut-In(1)
78	68.10	119.38	Open To Flow (2)
108	77.49	121.18	Shut-In(2)
137	431.76	122.69	End Shut-In(2)
138	2299.62	122.97	Final Hydro-static

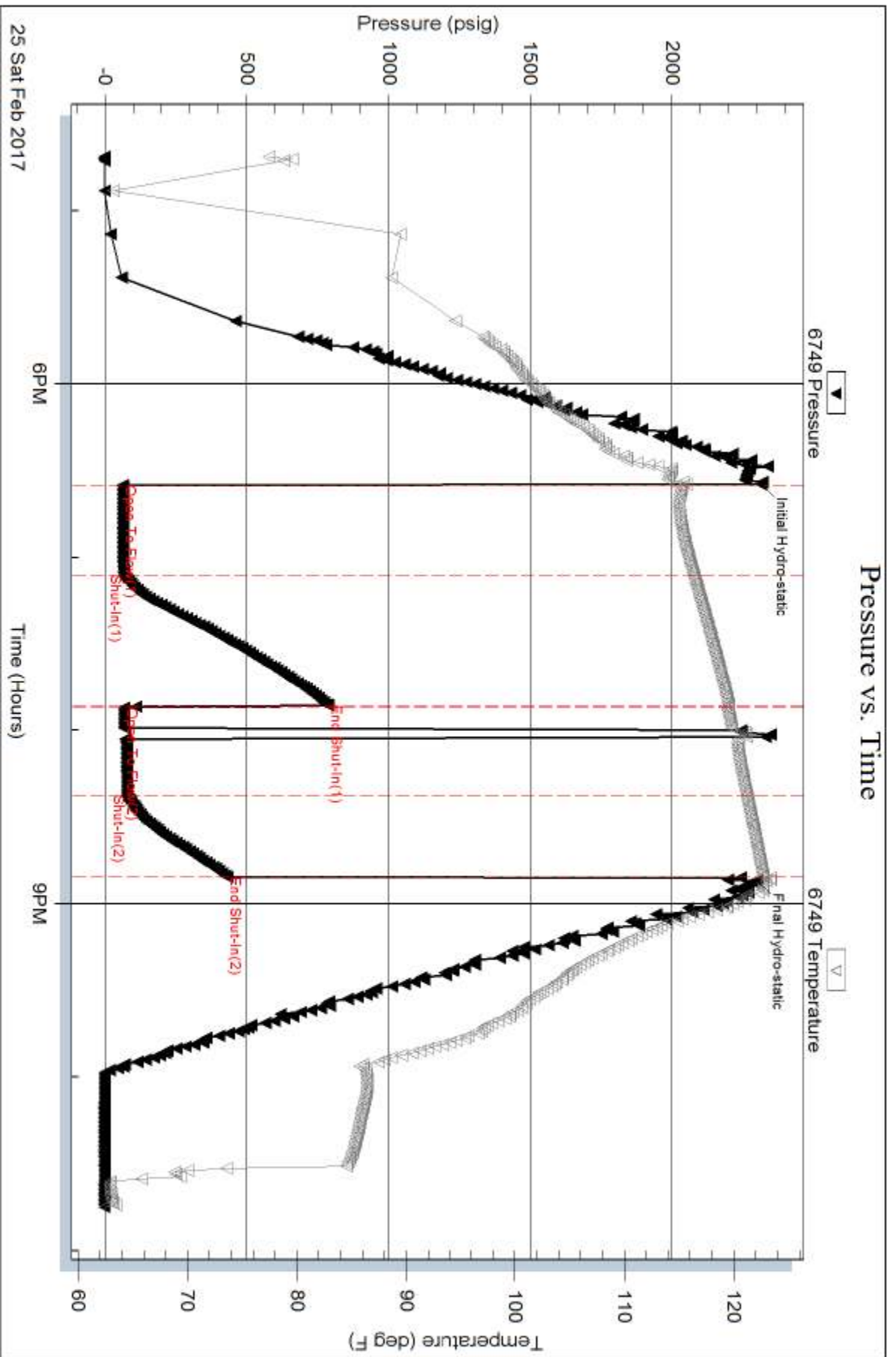
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mud w ith oil spots in tool	0.61

* Recovery from multiple tests

Gas Rates

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



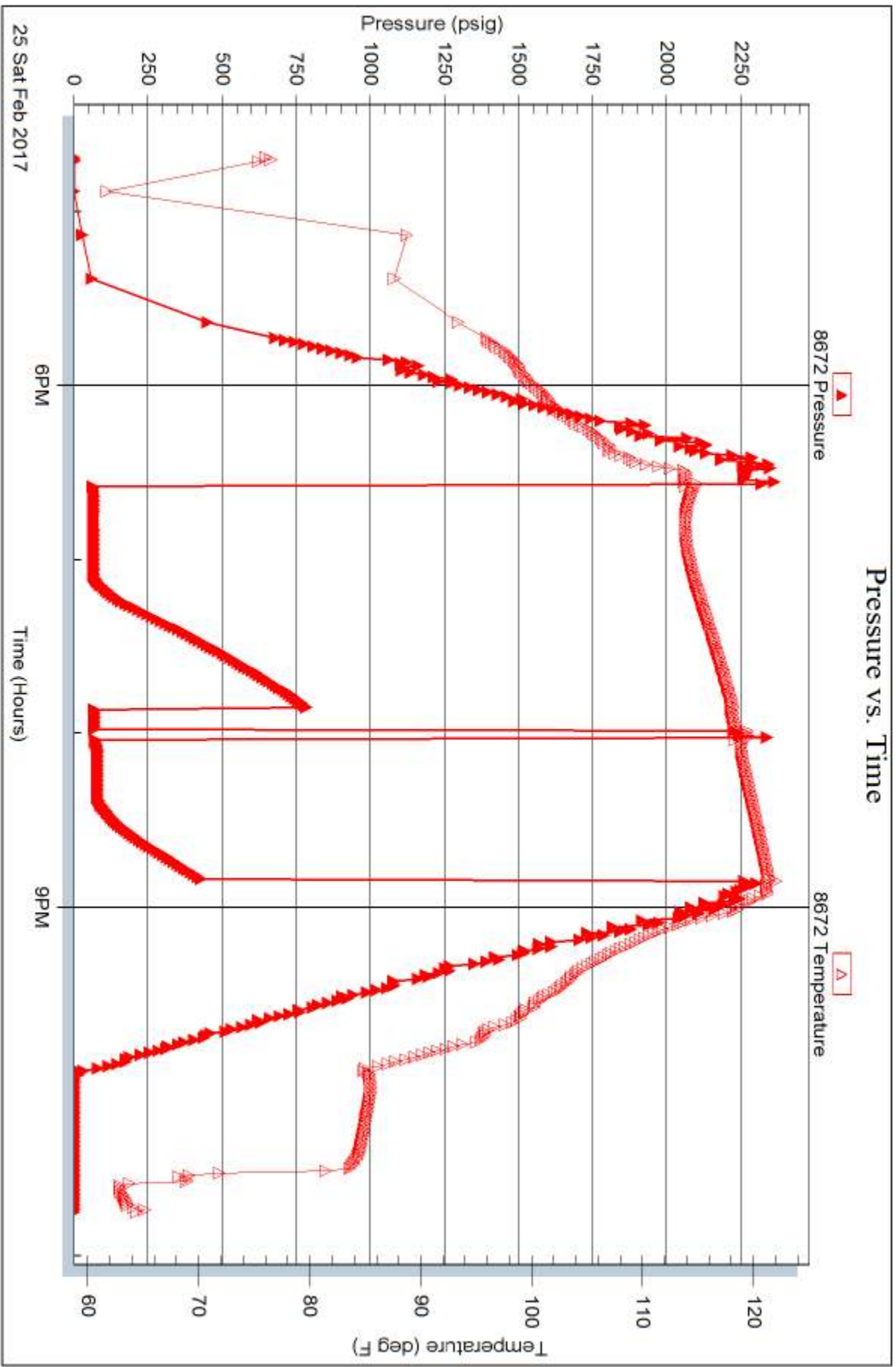
Serial #: 8672

Inside

Ritchie Exploration Inc.

L-Bo Land 3 C#1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61339

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