



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

3-4S-36W Rawlins, KS

1515 Wynkoop STE #700
Denver, CO 80202

Fisher Cattle Co#2-3

Job Ticket: 60899

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2015.03.19 @ 02:41:00

GENERAL INFORMATION:

Formation: **Cheorkee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:07:30

Time Test Ended: 11:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 82

Interval: 4544.00 ft (KB) To 4584.00 ft (KB) (TVD)

Total Depth: 4584.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3206.00 ft (KB)

3201.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8874 Inside

Press@RunDepth: 20.11 psig @ 4545.00 ft (KB)

Start Date: 2015.03.19

End Date: 2015.03.19

Start Time: 02:42:00

End Time: 11:20:00

Capacity: 8000.00 psig

Last Calib.: 2015.03.19

Time On Btm: 2015.03.19 @ 05:07:00

Time Off Btm: 2015.03.19 @ 09:09:00

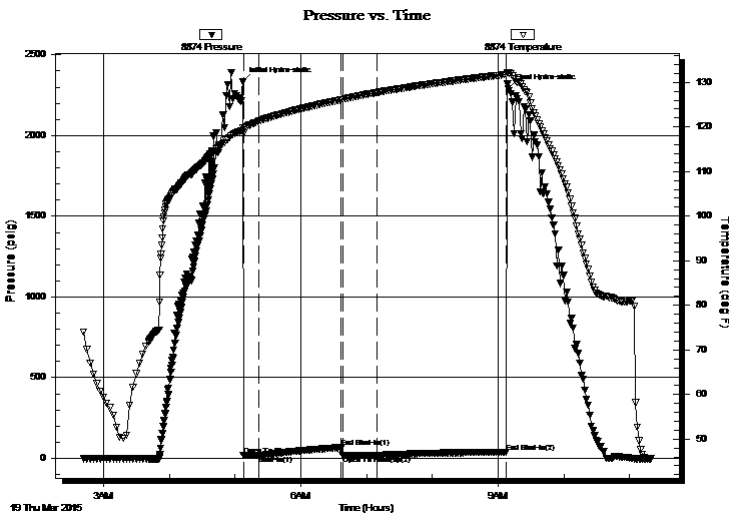
TEST COMMENT: 15 - IF - Weak surface blow built to 3/4 in. in 15 min.

75 - ISI - No return

30 - FF - No surface blow

120 - FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.28	119.70	Initial Hydro-static
1	16.56	118.60	Open To Flow (1)
15	17.67	121.33	Shut-In(1)
90	66.42	126.11	End Shut-In(1)
91	18.55	126.17	Open To Flow (2)
122	20.11	127.70	Shut-In(2)
240	38.53	131.75	End Shut-In(2)
242	2289.80	132.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2015.03.19 @ 02:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

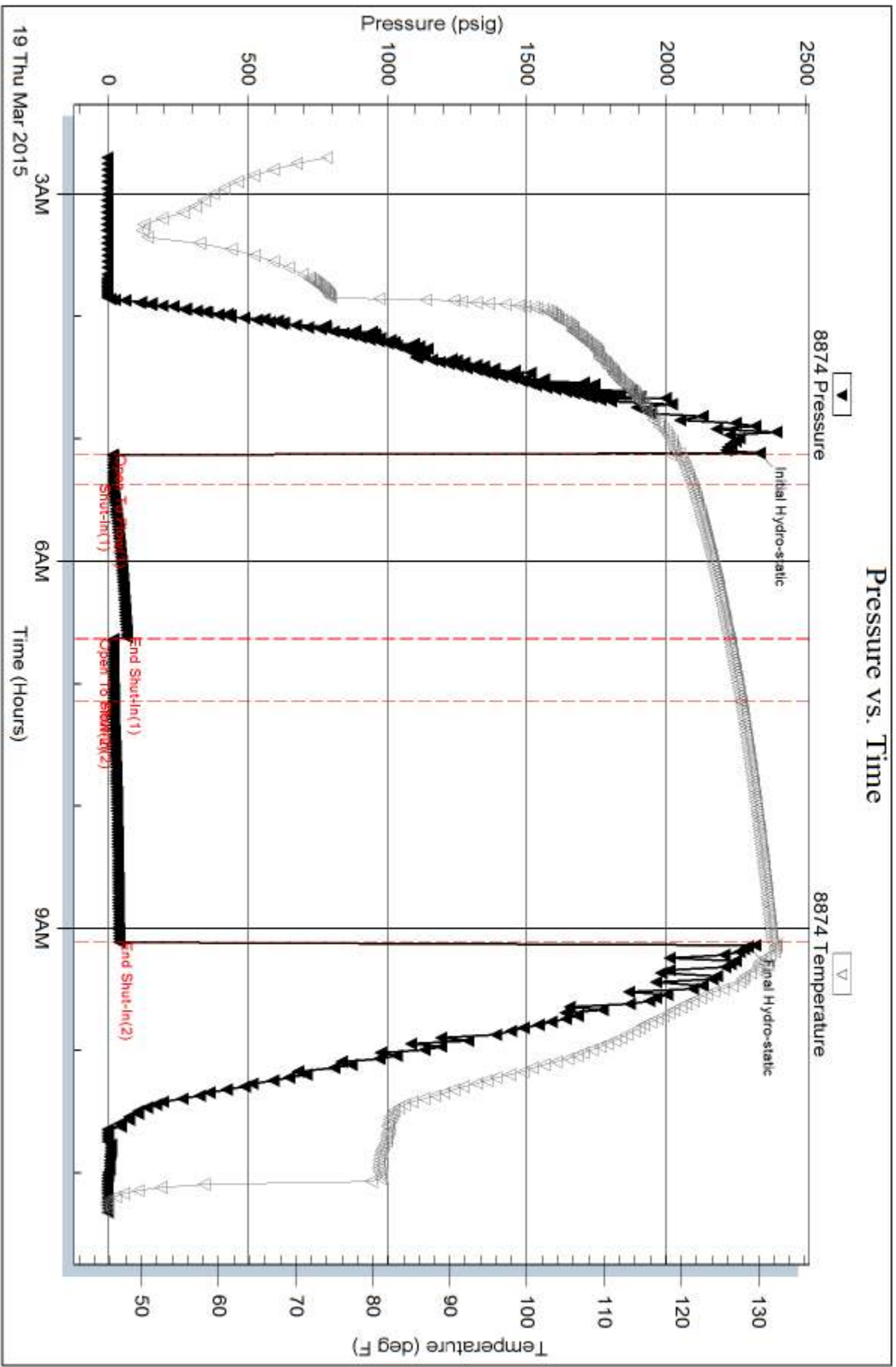
Serial #: 8874

Inside

Samuel Gary Jr. & Associates, Inc.

Fisher Cattle Co#2-3

DST Test Number: 3



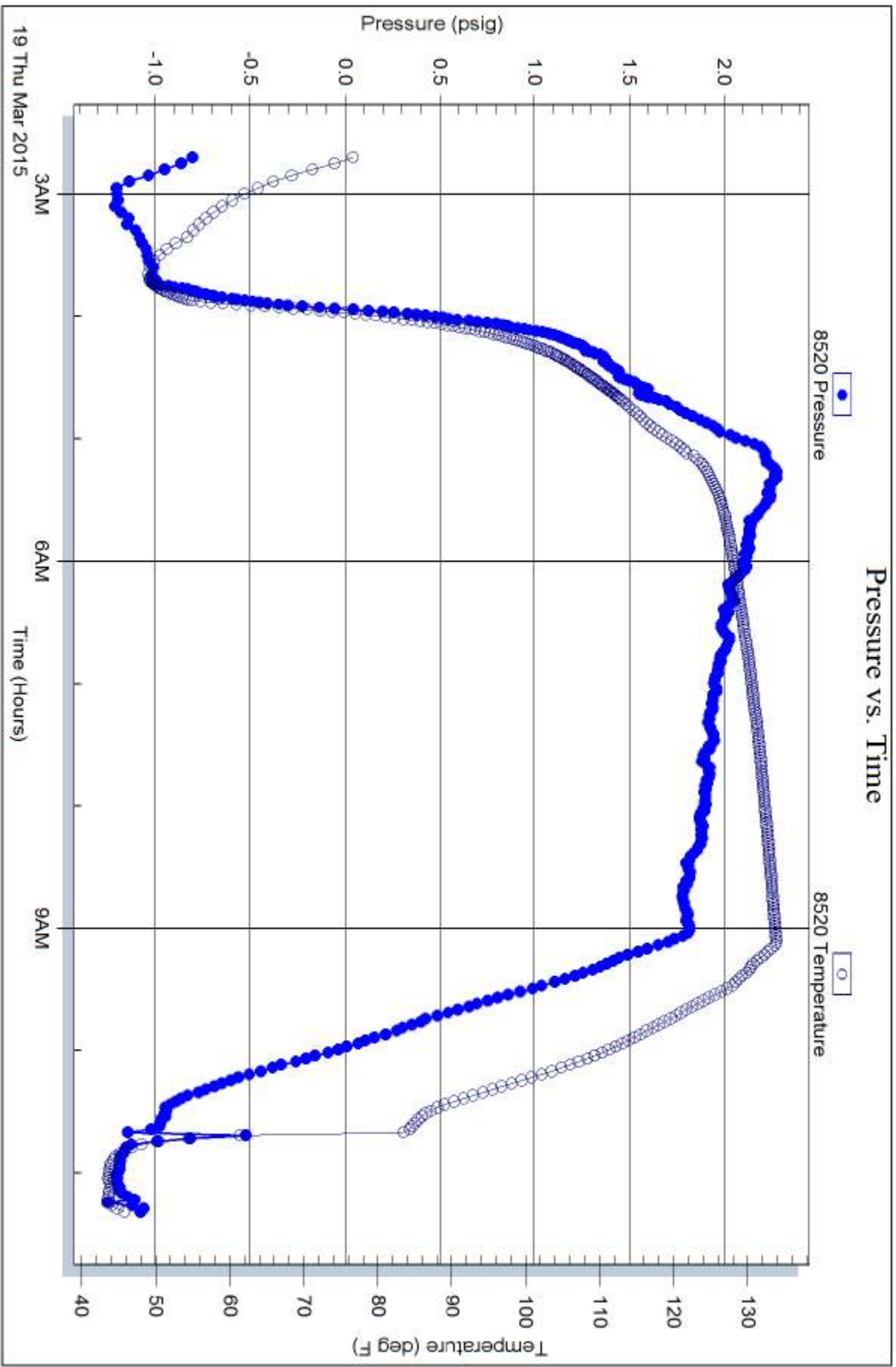
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Fluid

Samuel Gary Jr. & Associates, Inc.

Fisher Cattle Co#2-3

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60899

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