



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb LLC

20-27s-18w Kiowa Ks.

P.O.Box 838
Lawrenceville Ill. 62439

Randel#2-20

Job Ticket: 51888

DST#: 4

ATTN: Jon Christensen

Test Start: 2014.03.15 @ 18:05:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

9000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GCM 10%g 90%m	0.221

Total Length: 45.00 ft

Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-4

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

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Lawrenceville Ill. 62439

Randel#2-20

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DST#: 4

ATTN: Jon Christensen

Test Start: 2014.03.15 @ 18:05:46

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	15	0.50	45.00	399.35
2	10	0.75	15.00	456.10
2	20	0.75	15.00	456.10
2	30	0.75	15.00	456.10
2	45	0.75	15.00	456.10

Serial #: 8352

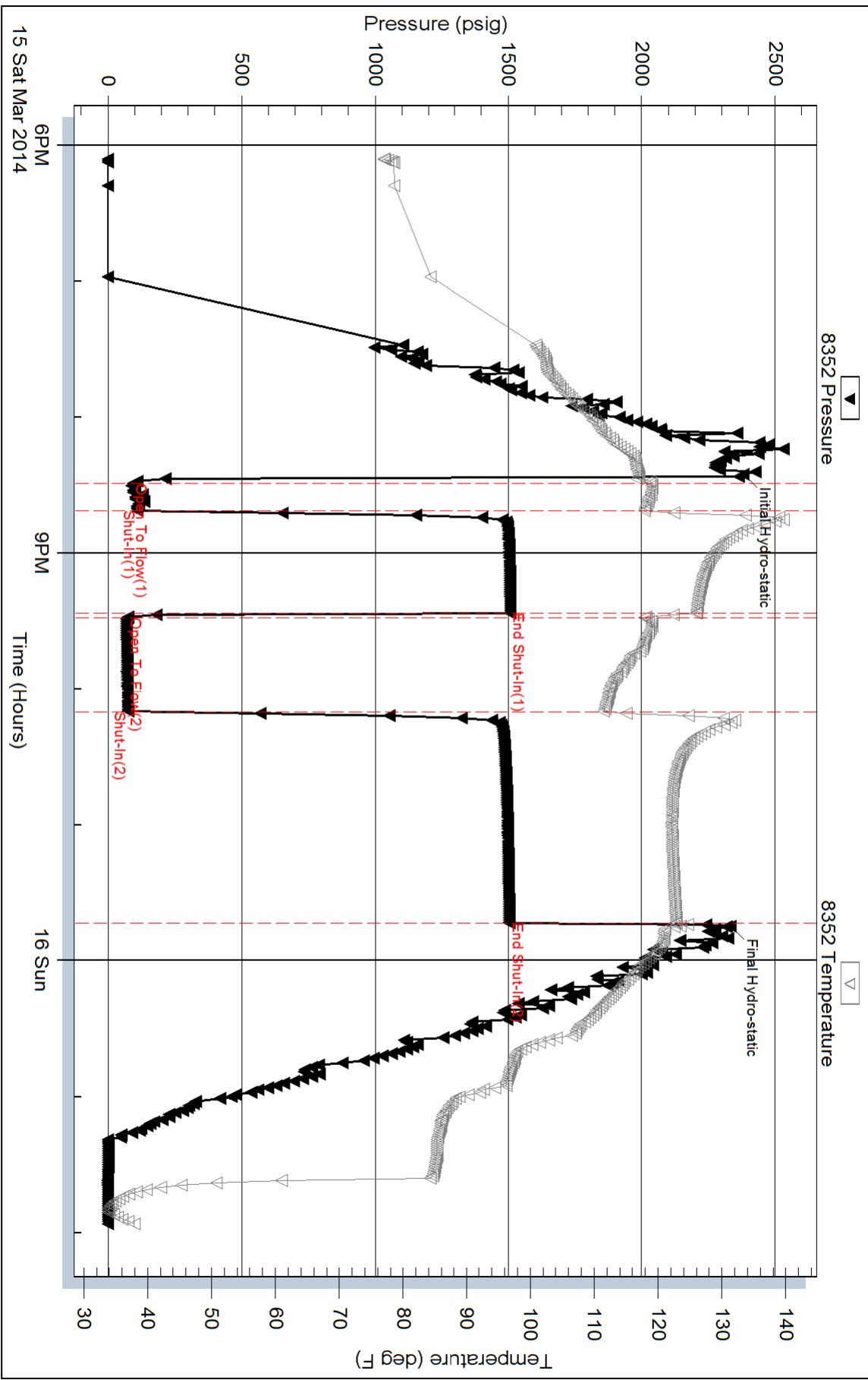
Inside

Herrman L. Loeb LLC

Rannde#2-20

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 51888

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