



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

4 16s 32w Scott, Ks

1700 N. Waterfront Pkw y
Bldg 600
Wichita, Ks 67206
ATTN: John Goldsmith

Hoeme 1-4

Job Ticket: 44518

DST#: 2

Test Start: 2012.03.17 @ 17:07:00

GENERAL INFORMATION:

Formation: **LKC - H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:25:15

Time Test Ended: 23:35:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley

Unit No: Walter

Interval: 4154.00 ft (KB) To 4256.00 ft (KB) (TVD)

Reference Elevations: 3004.00 ft (KB)

Total Depth: 4256.00 ft (KB) (TVD)

2999.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8678

Inside

Press @ Run Depth: 46.91 psig @ 4155.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.17

End Date:

2012.03.17

Last Calib.:

2012.03.17

Start Time:

17:07:05

End Time:

23:35:29

Time On Btm:

2012.03.17 @ 19:24:30

Time Off Btm:

2012.03.17 @ 21:26:45

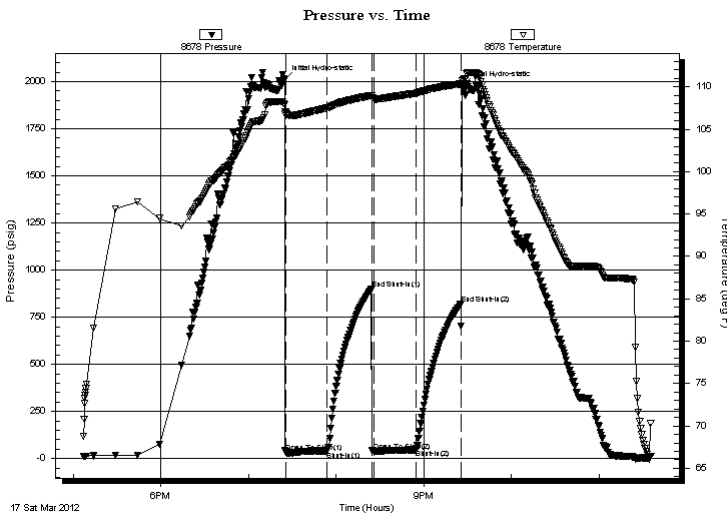
TEST COMMENT: IF: Surface blow, died @ 15 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.79	107.93	Initial Hydro-static
1	35.88	107.10	Open To Flow (1)
30	41.09	107.52	Shut-In(1)
60	899.25	108.99	End Shut-In(1)
61	39.48	108.60	Open To Flow (2)
90	46.91	109.26	Shut-In(2)
121	819.37	110.36	End Shut-In(2)
123	1978.57	110.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m	0.05

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Job Ticket: 44518

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Test Start: 2012.03.17 @ 17:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.80 in³

Resistivity: ohm.m

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8678

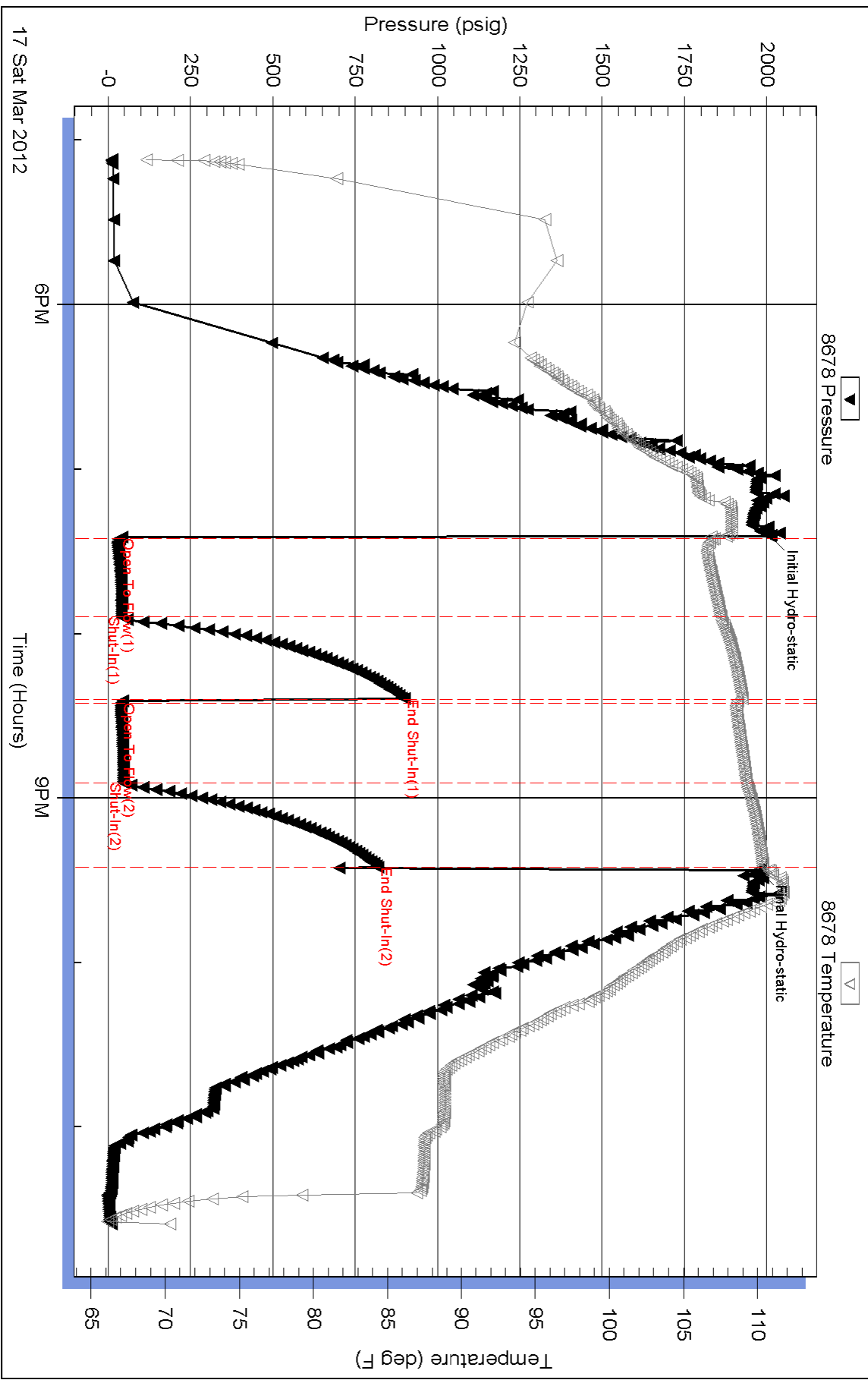
Inside

Grand Mesa Operating Co.

Hoerne 1-4

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44518

Printed: 2012.03.18 @ 10:54:47

Serial #: 8522

Inside

Grand Mesa Operating Co.

Hoerne 1-4

DST Test Number: 2

