



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
 1700 N. Waterfront Pkwy
 Bldg 600
 Wichita, Ks 67206
 ATTN: John Goldsmith

4 16s 32w Scott, Ks

Hoeme 1-4

Job Ticket: 44523

DST#: 7

Test Start: 2012.03.22 @ 10:23:00

GENERAL INFORMATION:

Formation: **St. Lewis - Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:45

Time Test Ended: 18:41:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley

Unit No: Walter

Interval: **4614.00 ft (KB) To 4680.00 ft (KB) (TVD)**

Total Depth: 4680.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3004.00 ft (KB)

2999.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8678

Inside

Press @ Run Depth: 154.48 psig @ 4615.00 ft (KB)

Start Date: 2012.03.22

End Date:

2012.03.22

Start Time: 10:23:05

End Time:

18:40:59

Capacity: 8000.00 psig

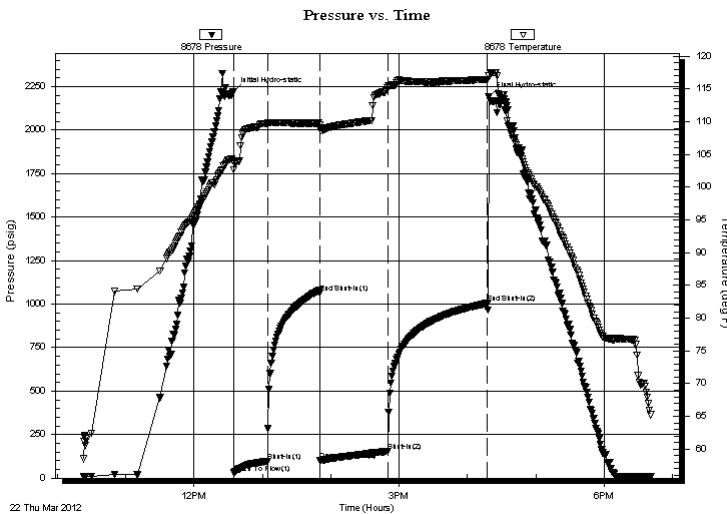
Last Calib.: 2012.03.22

Time On Btm: 2012.03.22 @ 12:34:30

Time Off Btm: 2012.03.22 @ 16:18:45

TEST COMMENT: IF: 5 1/2" blow.
 IS: No return.
 FF: 7" blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.54	103.92	Initial Hydro-static
1	30.41	102.71	Open To Flow (1)
30	97.09	109.71	Shut-In(1)
76	1062.94	109.81	End Shut-In(1)
76	100.42	109.46	Open To Flow (2)
136	154.48	115.23	Shut-In(2)
223	1004.56	116.47	End Shut-In(2)
225	2193.69	116.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	mud 100m (thin w/oil spots)	2.19

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: 44523

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Test Start: 2012.03.22 @ 10:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 3000.00 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
280.00	mud 100m (thin w/oil spots)	2.192

Total Length: 280.00 ft Total Volume: 2.192 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8678

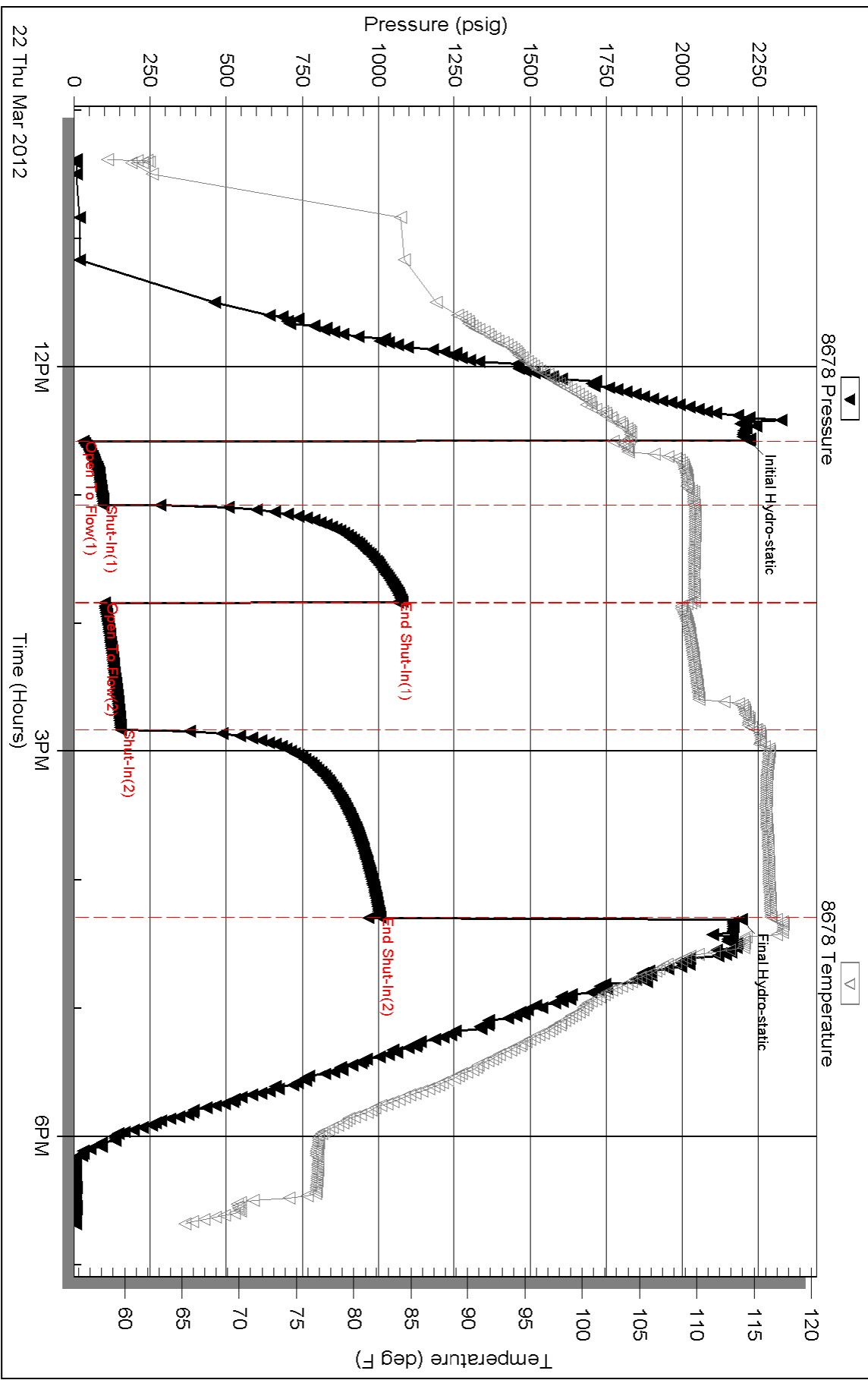
Inside

Grand Mesa Operating Co.

Hoerne 1-4

DST Test Number: 7

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44523

Printed: 2012.03.23 @ 08:06:25