



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

25 12s 32w Logan, Ks

#1-25 A-K

Job Ticket: 44412

DST#: 3

Test Start: 2012.01.20 @ 03:15:00

GENERAL INFORMATION:

Formation: **LKC - E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:19:45

Time Test Ended: 09:40:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4124.00 ft (KB) To 4142.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4142.00 ft (KB) (TVD)

3016.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 20.58 psig @ 4125.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.20

End Date:

2012.01.20

Last Calib.:

2012.01.20

Start Time: 03:15:05

End Time:

09:40:14

Time On Btm:

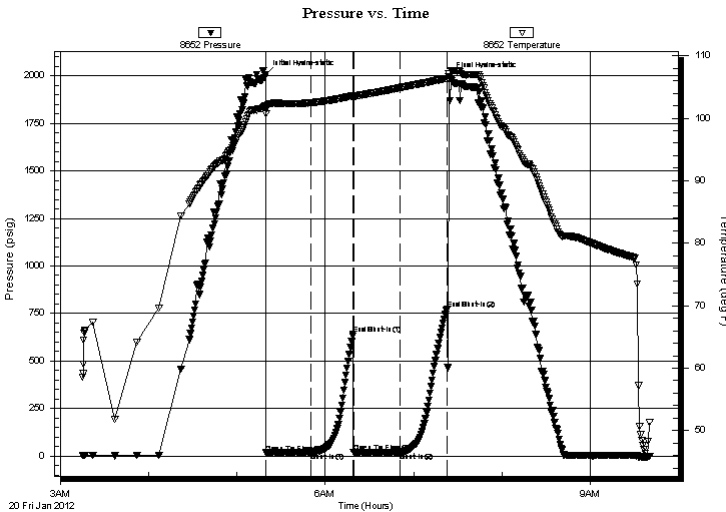
2012.01.20 @ 05:19:30

Time Off Btm:

2012.01.20 @ 07:23:45

TEST COMMENT: IF: Surface blow .
 IS: No return.
 FF: Surface blow .
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2006.99	102.05	Initial Hydro-static
1	16.61	100.74	Open To Flow (1)
31	19.12	102.47	Shut-In(1)
60	640.93	103.60	End Shut-In(1)
60	19.04	103.32	Open To Flow (2)
92	20.58	104.90	Shut-In(2)
123	771.59	106.39	End Shut-In(2)
125	1997.38	107.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100m (oil spots)	0.01

* Recovery from multiple tests

Gas Rates

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



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TESTING, INC.**

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FLUID SUMMARY

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Job Ticket: 44412

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Test Start: 2012.01.20 @ 03:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 3200.00 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
3.00	Mud 100m (oil spots)	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8652

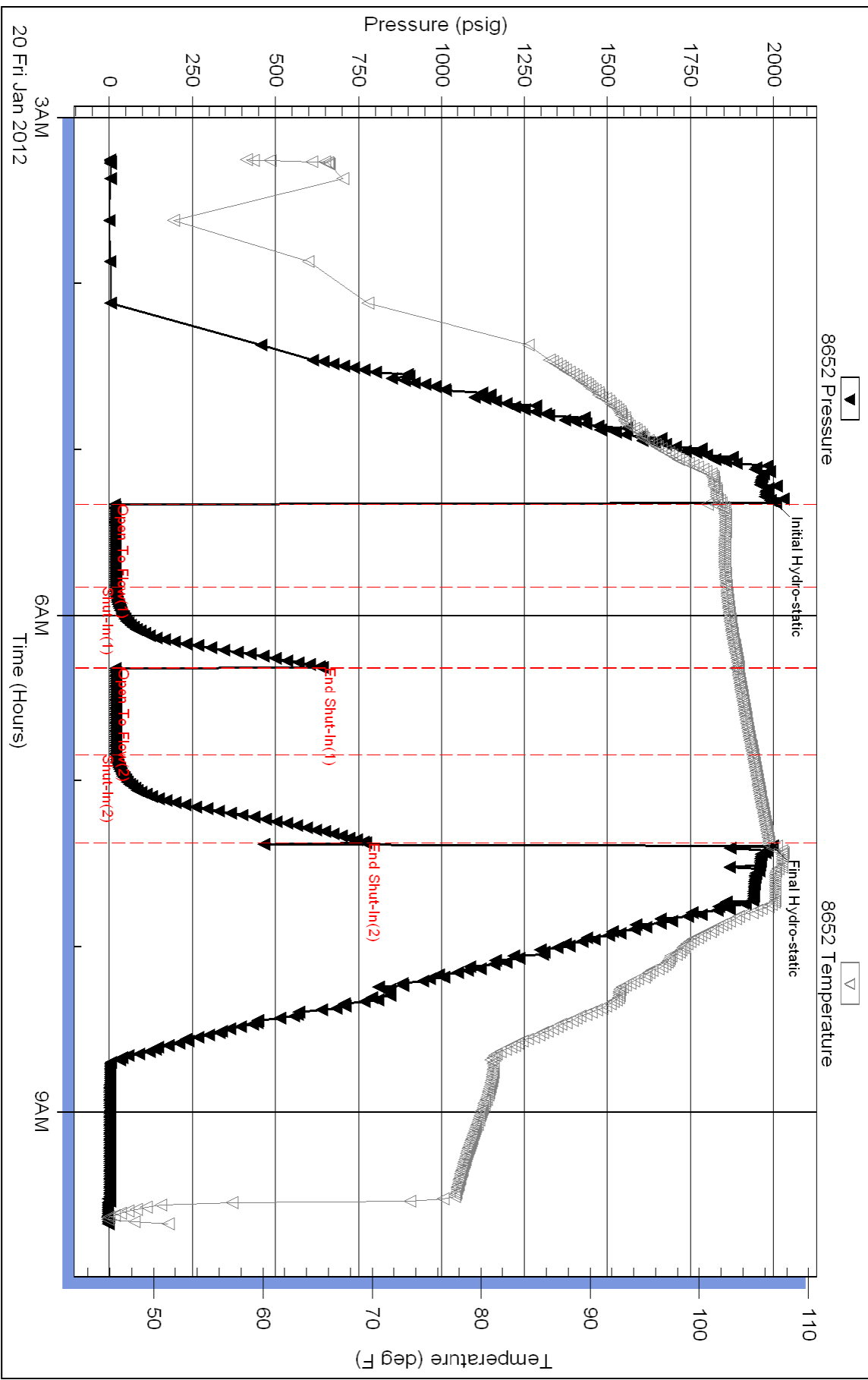
Inside

Grand Mesa Operating Co.

#1-25 A-K

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44412

Printed: 2012.01.20 @ 10:12:03