



**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: 44413

DST#: 4

Test Start: 2012.01.21 @ 04:21:00

GENERAL INFORMATION:

Formation: **LKC - J&K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:00

Time Test Ended: 11:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4243.00 ft (KB) To 4286.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4286.00 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: 154.01 psig @ 4244.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.21

End Date:

2012.01.21

Last Calib.: 2012.01.21

Start Time: 04:21:05

End Time:

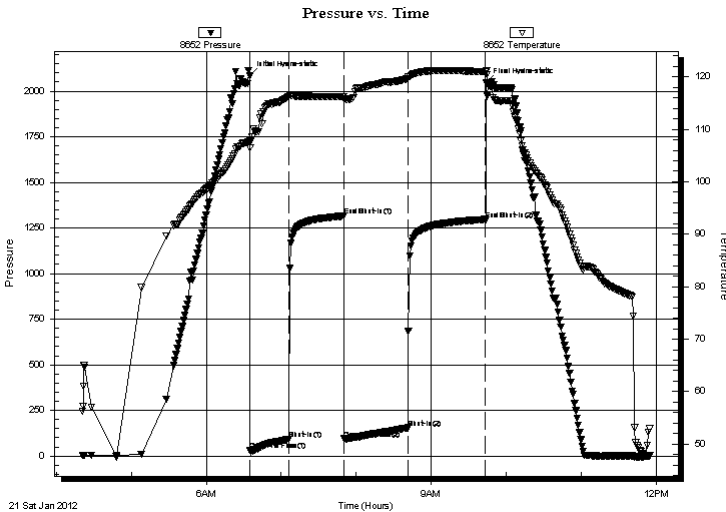
11:54:44

Time On Btm: 2012.01.21 @ 06:34:45

Time Off Btm: 2012.01.21 @ 09:44:15

TEST COMMENT: IF: 4" Blow.
IS: No return.
FF: 2" Blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2083.51	107.82	Initial Hydro-static
1	30.09	106.52	Open To Flow (1)
31	90.50	116.22	Shut-In(1)
75	1315.24	116.21	End Shut-In(1)
76	93.56	115.76	Open To Flow (2)
127	154.01	119.65	Shut-In(2)
188	1296.42	120.93	End Shut-In(2)
190	2046.58	121.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	mcw 20m 80w (oil spots in tool)	1.94

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44413

DST#: 4

Test Start: 2012.01.21 @ 04:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

71000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	mcw 20m 80w (oil spots in tool)	1.938

Total Length: 255.00 ft Total Volume: 1.938 bbl

Num Fluid Samples: 0

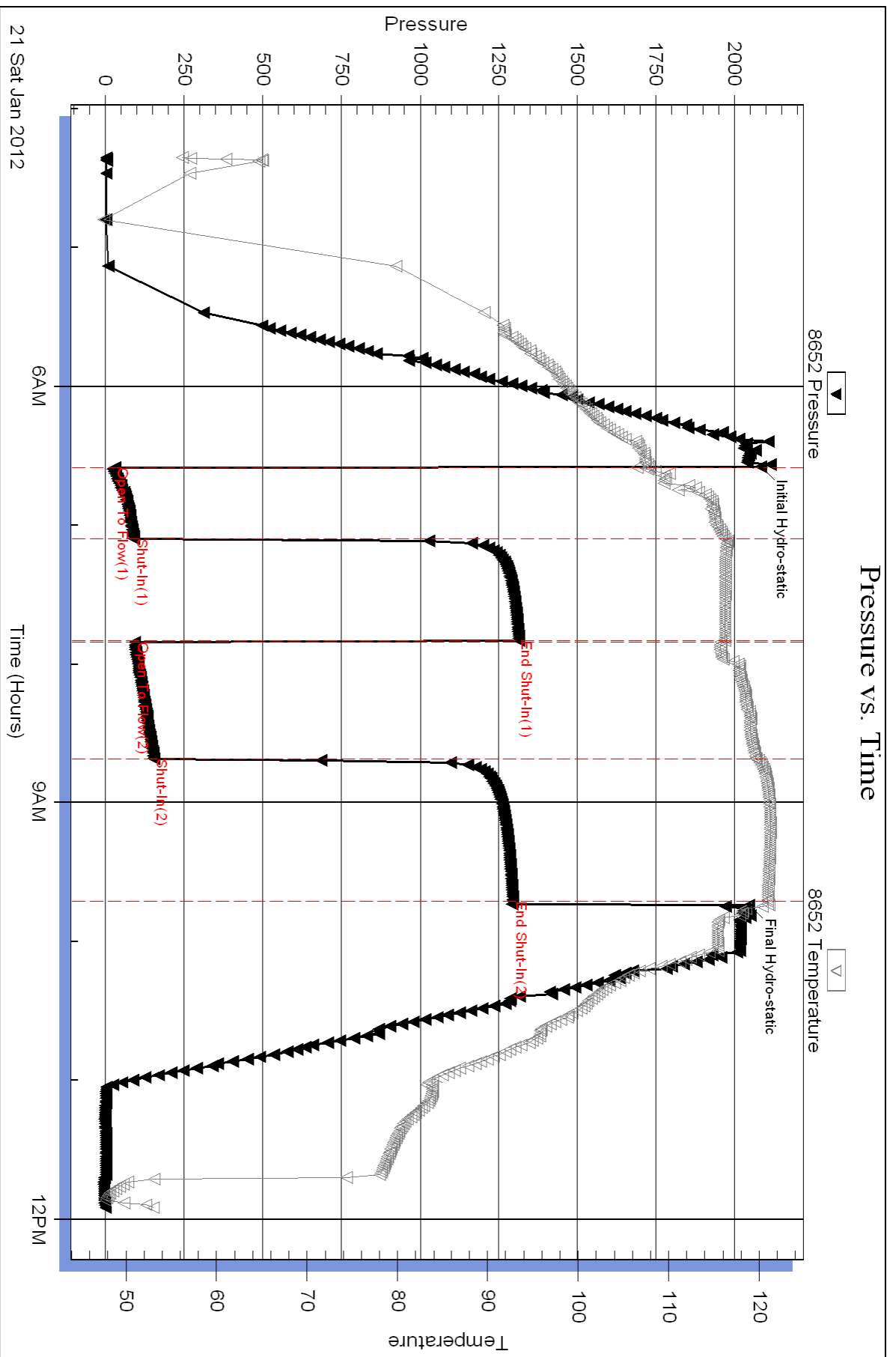
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .140 @ 55F = 71000ppm

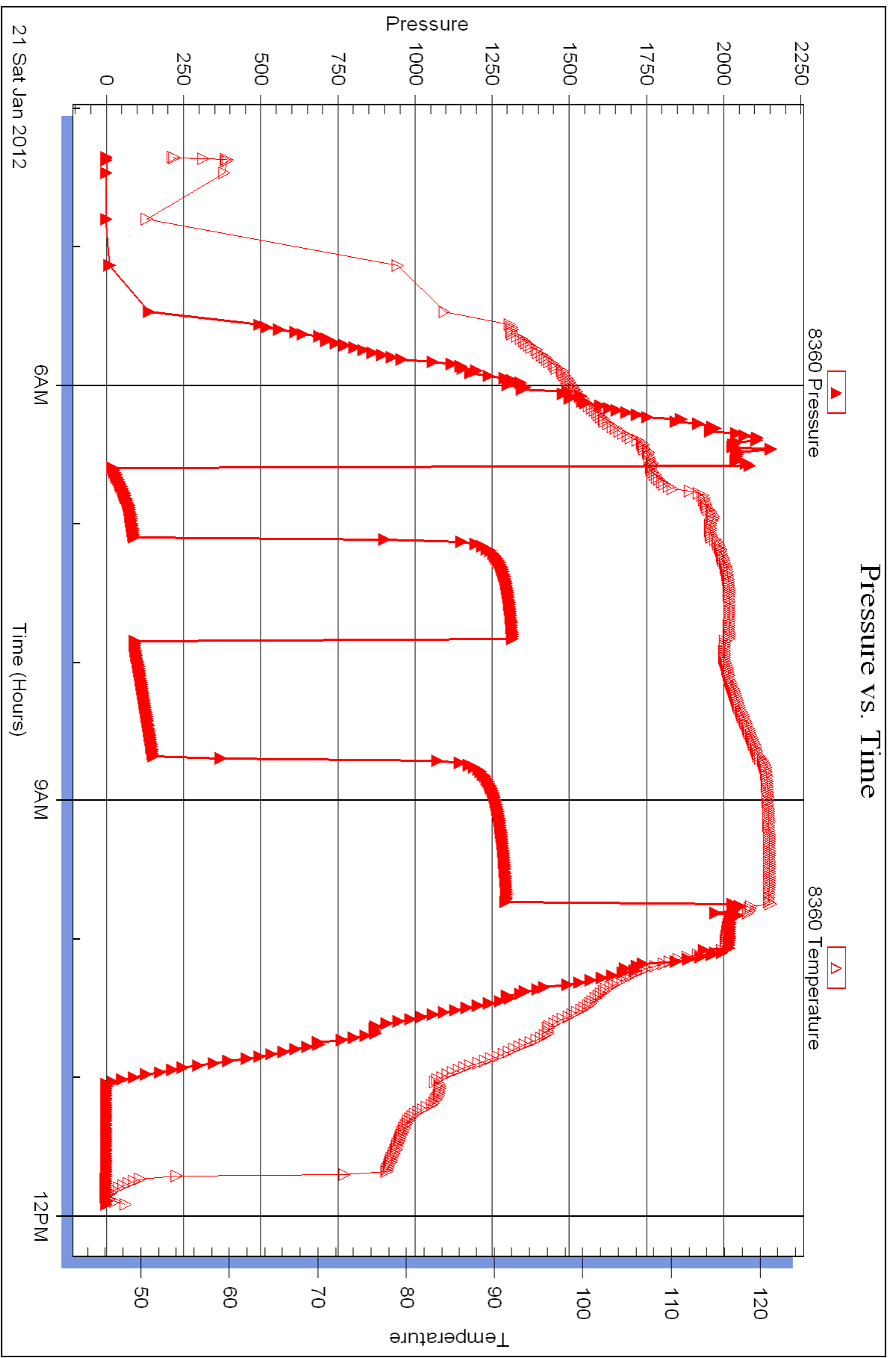


Serial #: 8360

Outside Grand Mesa Operating Co.

#1-25 A-K

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 44413

Printed: 2012.01.21 @ 22:11:00