



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co
1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: Steve Carl

27 16s 37w Scott, Ks

#1-27 Riner

Job Ticket: 45358

DST#: 1

Test Start: 2011.11.18 @ 08:47:00

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:03:45

Time Test Ended: 16:09:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 40

Interval: 4037.00 ft (KB) To 4110.00 ft (KB) (TVD)

Total Depth: 4110.00 ft (KB) (TVD)

Hole Diameter: 6.88 inches Hole Condition: Good

Reference Elevations: 3037.00 ft (KB)

3032.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 521.05 psig @ 4038.00 ft (KB)

Start Date: 2011.11.18

End Date: 2011.11.18

Start Time: 08:47:05

End Time: 16:09:44

Capacity: 8000.00 psig

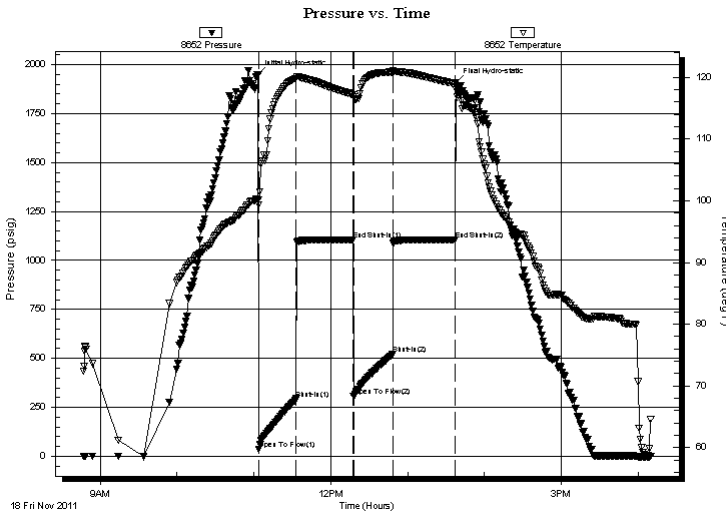
Last Calib.: 2011.11.18

Time On Btm: 2011.11.18 @ 11:03:15

Time Off Btm: 2011.11.18 @ 13:37:45

TEST COMMENT: IF: BOB @ 6 minutes.
IS: No return.
FF: BOB @ 7 minutes.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.86	100.13	Initial Hydro-static
1	35.58	99.37	Open To Flow (1)
30	293.74	119.83	Shut-In(1)
74	1105.47	117.20	End Shut-In(1)
75	308.42	116.87	Open To Flow (2)
105	521.05	120.84	Shut-In(2)
154	1105.73	118.97	End Shut-In(2)
155	1909.20	117.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1080.00	mcw 5m 95w (oil spots)	14.07

Gas Rates

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



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FLUID SUMMARY

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27 16s 37w Scott, Ks

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Bldg 600
Wichita, Ks 67206
ATTN: Steve Carl

#1-27 Riner

Job Ticket: 45358

DST#: 1

Test Start: 2011.11.18 @ 08:47:00

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:

0 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1080.00	mcw 5m 95w (oil spots)	14.075

Total Length: 1080.00 ft Total Volume: 14.075 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .220 @ 67 = 34000ppm

Serial #: 8652

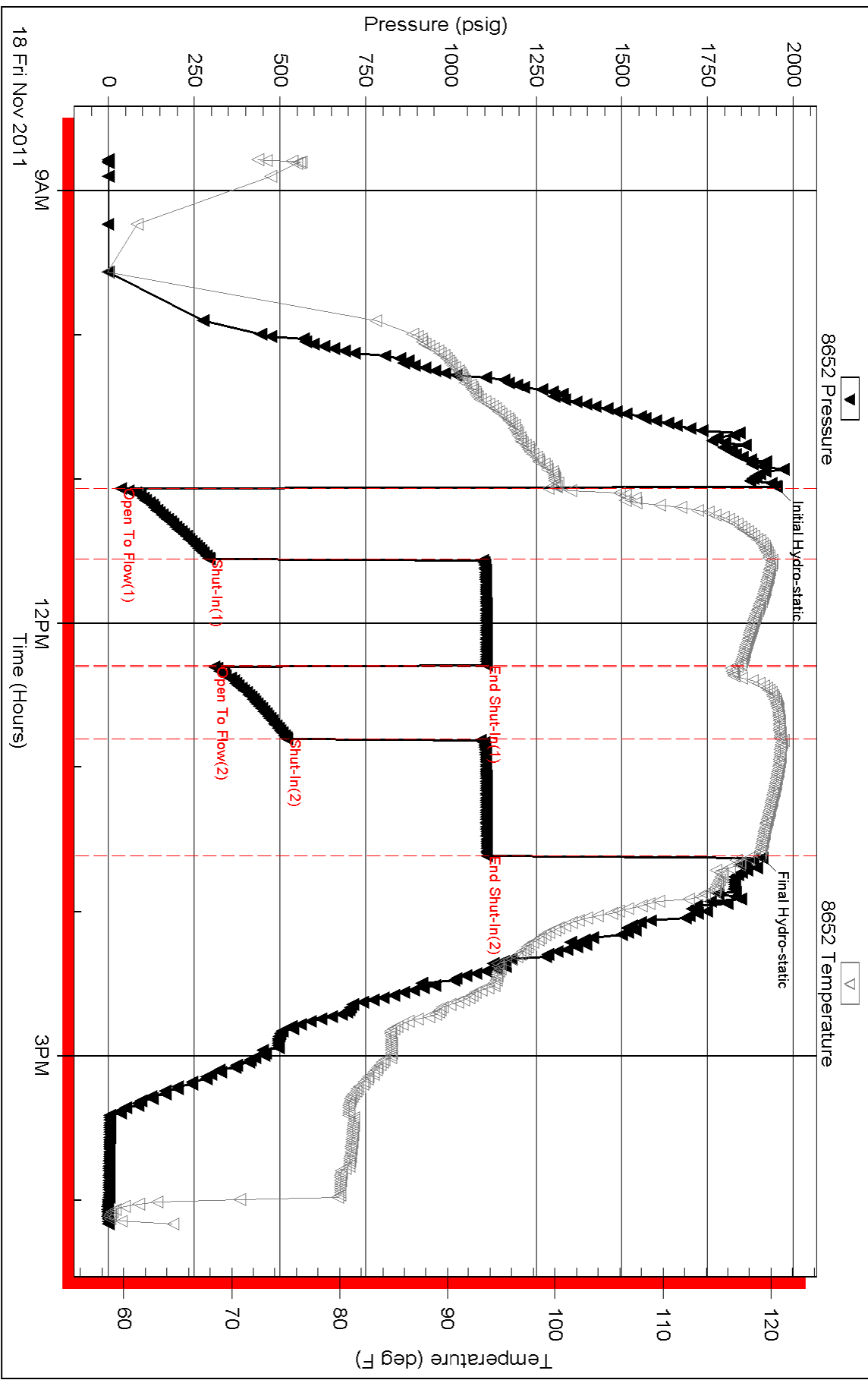
Inside

Grand Mesa Operating Co

#1-27 Riner

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45358

Printed: 2011.11.19 @ 10:52:45

Serial #: 8360

Outside Grand Mesa Operating Co

#1-27 Riner

DST Test Number: 1

