



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chieftain Oil Co

23-33S-11W

PO Box 124
Kiowa, KS 67070

Houlton C 2

Job Ticket: 47488

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2012.04.28 @ 06:00:15

GENERAL INFORMATION:

Formation: **Misner**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:45

Time Test Ended: 14:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: 4815.00 ft (KB) To 4840.00 ft (KB) (TVD)

Reference Elevations: 1483.00 ft (KB)

Total Depth: 4840.00 ft (KB) (TVD)

1475.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 28.75 psig @ 4816.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.28

End Date:

2012.04.28

Last Calib.:

2012.04.28

Start Time: 06:00:16

End Time:

14:03:30

Time On Btm:

2012.04.28 @ 08:09:15

Time Off Btm:

2012.04.28 @ 11:59:45

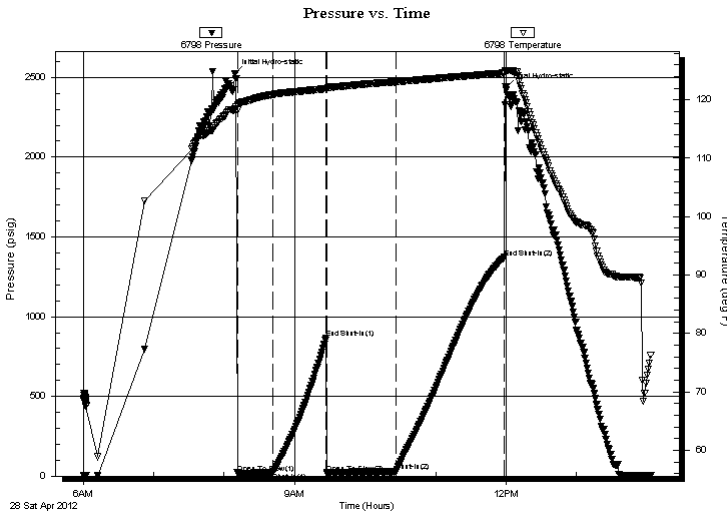
TEST COMMENT: IF: Fair Blow, BOB in 15 minutes

IS: No Blow Back

FF: Strong Blow, BOB in 1 minute

FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2524.83	118.41	Initial Hydro-static
3	15.58	119.11	Open To Flow (1)
33	23.73	120.92	Shut-In(1)
78	863.81	121.90	End Shut-In(1)
79	17.95	121.87	Open To Flow (2)
138	28.75	123.05	Shut-In(2)
229	1370.78	124.57	End Shut-In(2)
231	2438.57	125.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1100 GIP	0.00
20.00	SOCM 1%O 99%M	0.10

Gas Rates

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



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FLUID SUMMARY

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PO Box 124
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Houlton C 2

Job Ticket: 47488

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2012.04.28 @ 06:00:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	1100 GIP	0.000
20.00	SOCM 1%O 99%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

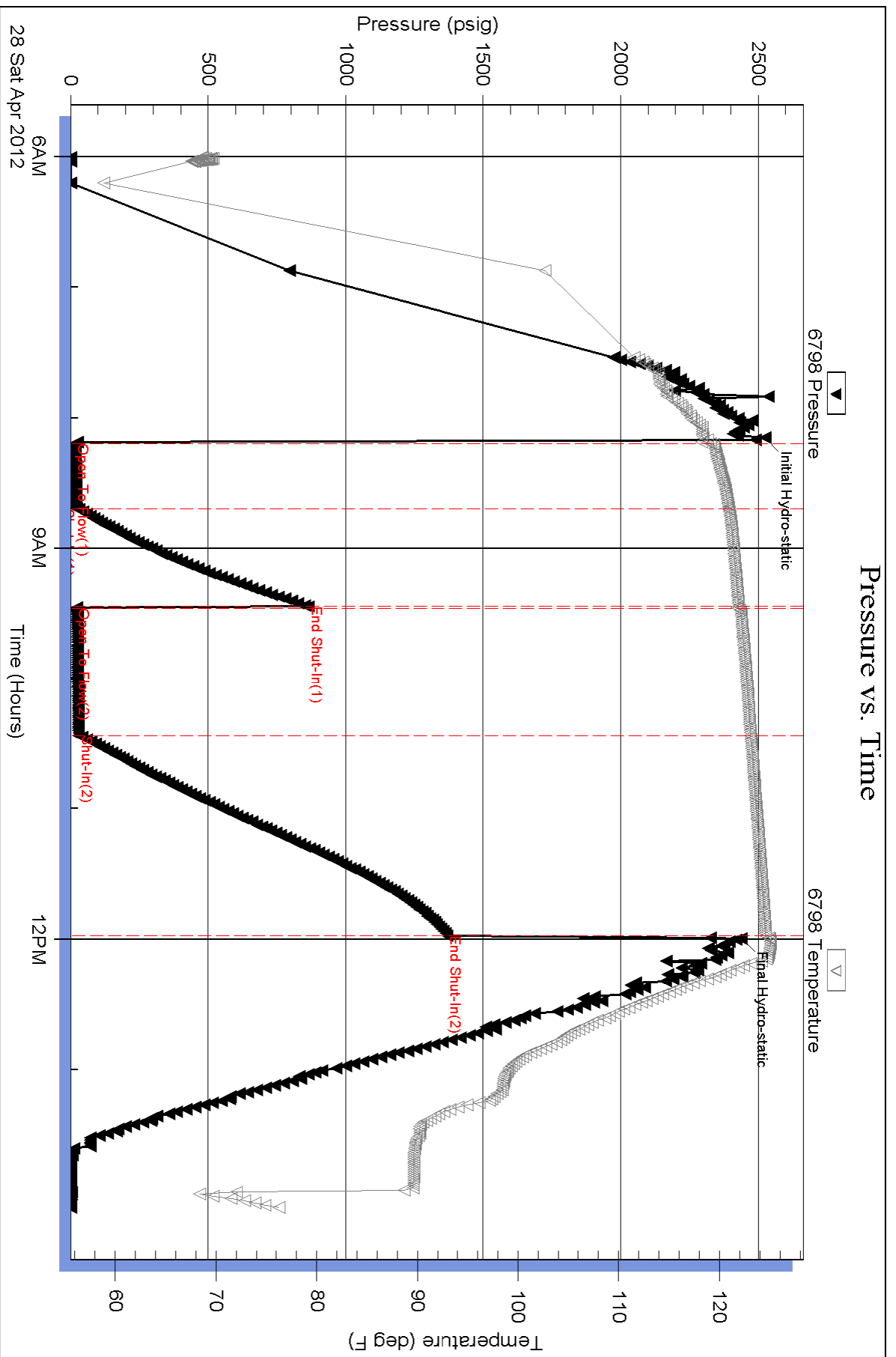
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8367

Outside Chieftain Oil Co

Houlton C 2

DST Test Number: 1

