



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Quest Energy LLC**

2732 N Reese Rd
Brookville, KS 67425

ATTN: Jeff Burk

Morrison #2-1

1-21s-14w Stafford,KS

Start Date: 2012.12.11 @ 23:41:43

End Date: 2012.12.12 @ 08:57:43

Job Ticket #: 49641

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.13 @ 16:27:32

Quest Energy LLC

1-21s-14w Stafford,KS

Morrison #2-1

DSI # 1

Lansing, J, J, & K

2012.12.11



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TESTING, INC.**

DRILL STEM TEST REPORT

Quest Energy LLC

2732 N Reese Rd
Brookville, KS 67425

ATTN: Jeff Burk

1-21s-14w Stafford, KS

Morrison #2-1

Job Ticket: 49641

DST#: 1

Test Start: 2012.12.11 @ 23:41:43

GENERAL INFORMATION:

Formation: **Lansing "I, J, & K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:50:28

Time Test Ended: 08:57:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: **3476.00 ft (KB) To 3530.00 ft (KB) (TVD)**

Total Depth: 3530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1915.00 ft (KB)

1910.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 41.89 psig @ 3477.00 ft (KB)

Start Date: 2012.12.11

End Date:

2012.12.12

Start Time: 23:41:44

End Time:

08:57:43

Capacity: 8000.00 psig

Last Calib.: 2012.12.12

Time On Btm: 2012.12.12 @ 04:50:13

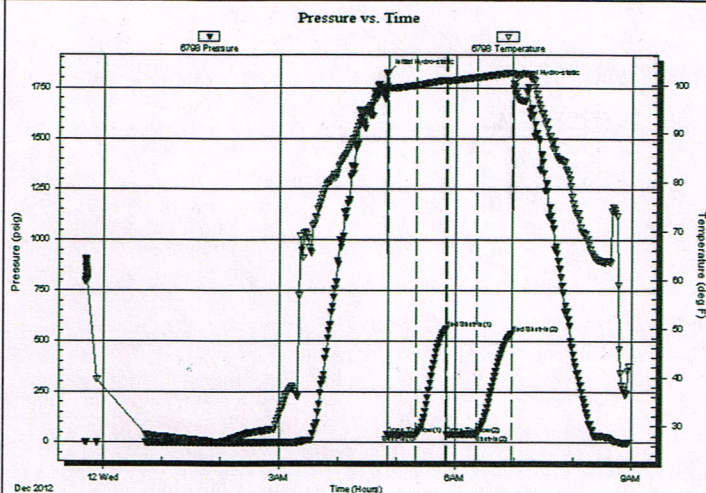
Time Off Btm: 2012.12.12 @ 06:58:58

TEST COMMENT: IF: Weak Surface Blow, Dead @ 24 minutes

IS: No Blow Back

FF: No Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.25	99.70	Initial Hydro-static
1	39.25	99.23	Open To Flow (1)
30	39.32	99.89	Shut-In (1)
60	560.53	100.95	End Shut-In (1)
61	40.86	100.77	Open To Flow (2)
91	41.89	101.52	Shut-In (2)
128	537.09	102.50	End Shut-In (2)
129	1772.14	102.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOSM 1%O 99%M	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

FLUID SUMMARY

Quest Energy LLC

1-21s-14w Stafford, KS

2732 N Reese Rd
Brookville, KS 67425

Morrison #2-1

Job Ticket: 49641

DST#: 1

ATTN: Jeff Burk

Test Start: 2012.12.11 @ 23:41:43

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: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOSM 1%O 99%M	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

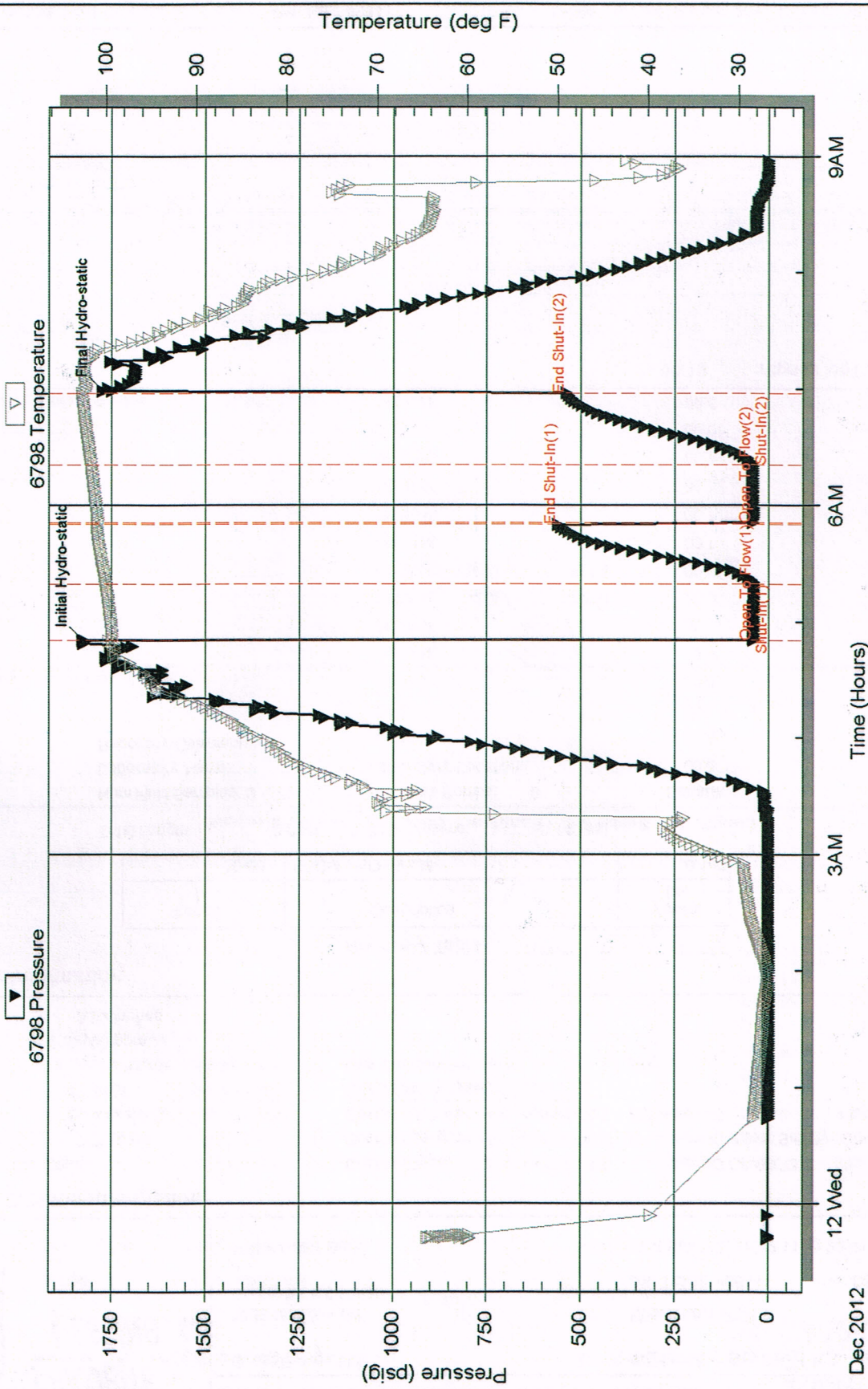
Morrison #2-1

Quest Energy LLC

Inside

Serial #: 6798

Pressure vs. Time



Printed: 2012.12.13 @ 16:27:36

Ref. No: 49641

Trilobite Testing, Inc