

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior
P.O. Box 399
Garden City, KS 67846
ATTN: Jason Alm

Elton #4-5

5/19S/21W-Ness

Job Ticket: 41080

DST#: 1

Test Start: 2010.10.10 @ 01:35:38

GENERAL INFORMATION:

Formation: **Cherokee 'A' Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:21:38

Time Test Ended: 07:17:08

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 42

Interval: 4131.00 ft (KB) To 4150.00 ft (KB) (TVD)

Total Depth: 4150.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2131.00 ft (KB)

2127.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8652 Outside

Press@RunDepth: 17.69 psig @ 4133.00 ft (KB)

Start Date: 2010.10.10

End Date:

2010.10.10

Start Time: 01:35:43

End Time:

07:17:07

Capacity: 8000.00 psig

Last Calib.: 2010.10.10

Time On Btm: 2010.10.10 @ 04:19:38

Time Off Btm: 2010.10.10 @ 05:46:08

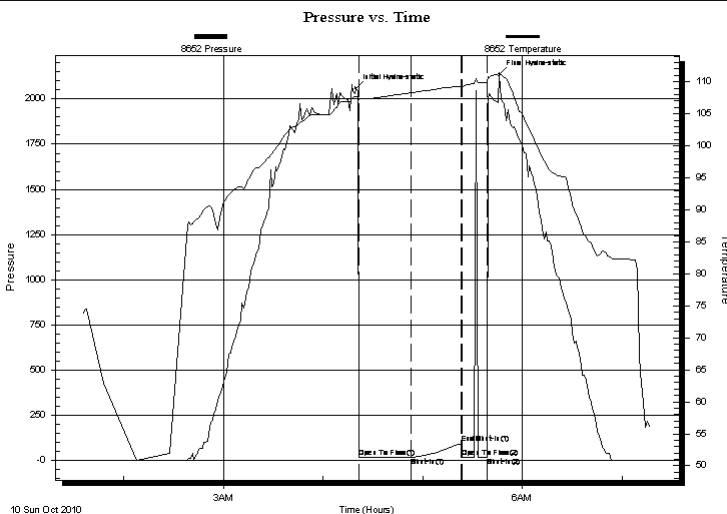
TEST COMMENT: IF-Very weak surface blow . Died after 11 minutes.

ISI-No Return.

FF-No blow . Flushed tool. No blow .

FSI- Pulled tool.

PRESSURE SUMMARY



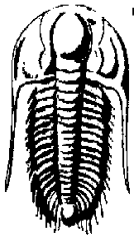
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.37	107.72	Initial Hydro-static
2	17.21	107.14	Open To Flow (1)
34	17.69	108.30	Shut-In(1)
64	96.34	109.31	End Shut-In(1)
64	18.10	109.25	Open To Flow (2)
79	20.13	109.96	Shut-In(2)
87	2135.99	111.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	100% Mud	0.01

Gas Rates

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

American Warrior

Elton #4-5

P.O. Box 399
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5/19S/21W-Ness

Job Ticket: 41080

DST#: 1

ATTN: Jason Alm

Test Start: 2010.10.10 @ 01:35:38

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	100% Mud	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

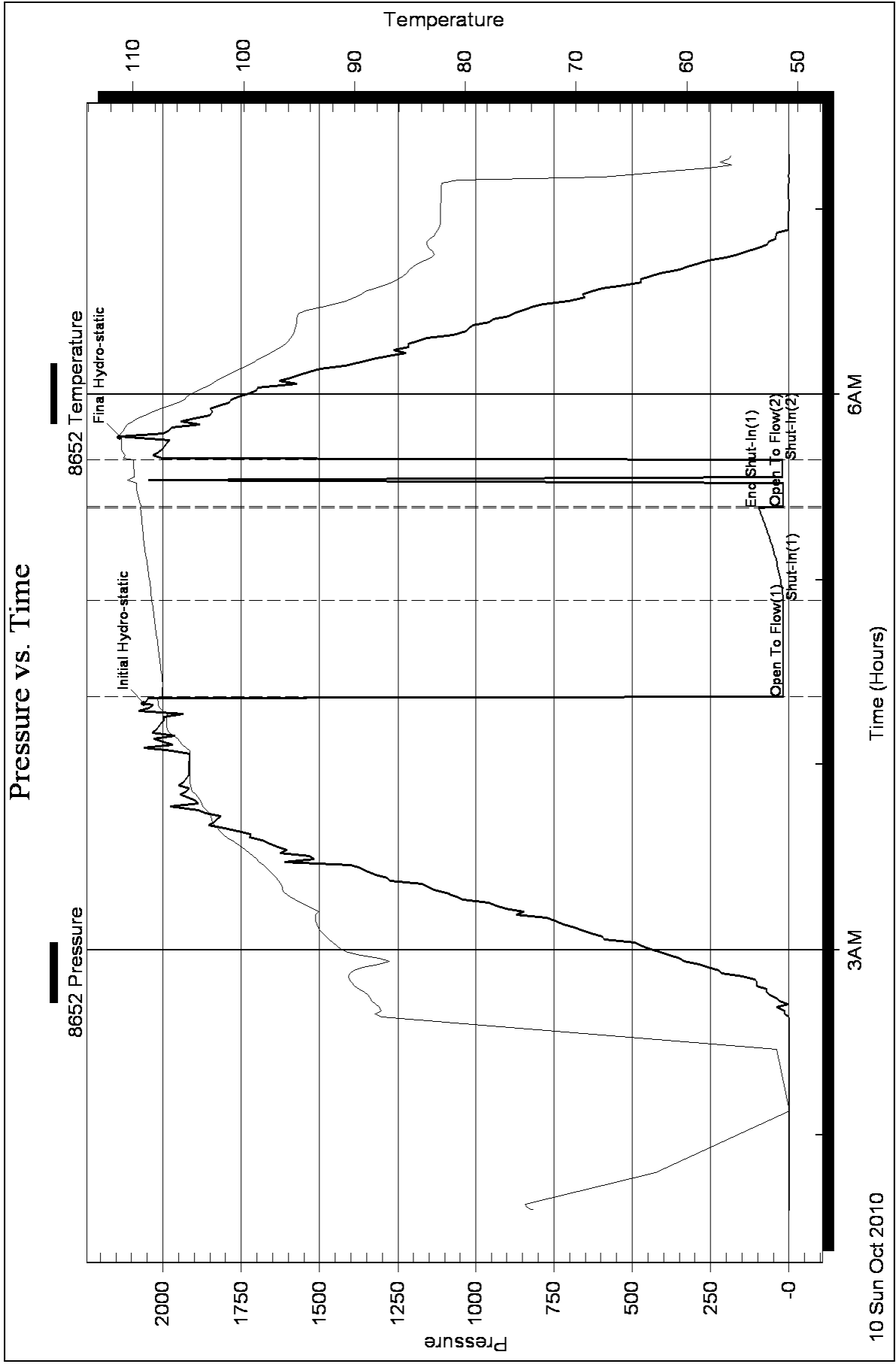
Num Gas Bombs: 0

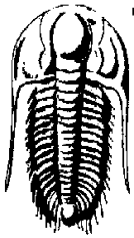
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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American Warrior
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ATTN: Jason Alm

Elton #4-5

5/19S/21W-Ness

Job Ticket: 41081

DST#: 2

Test Start: 2010.10.10 @ 14:03:28

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:51:58

Time Test Ended: 22:13:28

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 42

Interval: 4217.00 ft (KB) To 4227.00 ft (KB) (TVD)

Reference Elevations: 2131.00 ft (KB)

Total Depth: 4227.00 ft (KB) (TVD)

2127.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 4.00 ft

Serial #: 6625 Inside

Press@RunDepth: 311.88 psig @ 4219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.10

End Date:

2010.10.10

Last Calib.: 2010.10.10

Start Time: 14:03:33

End Time:

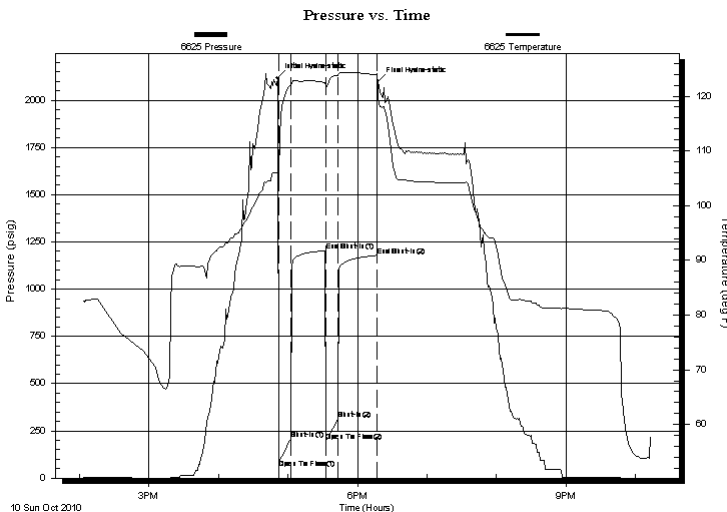
22:13:27

Time On Btm: 2010.10.10 @ 16:50:58

Time Off Btm: 2010.10.10 @ 18:17:58

TEST COMMENT: IF-Strong building blow . BOB in 3 minutes.
IS- Return after 16 minutes. Built to 1/4 inch.
FF- Strong blow . BOB in 3 minutes.
FS- Return after 26 minutes. Built to 1/4 inch.

PRESSURE SUMMARY



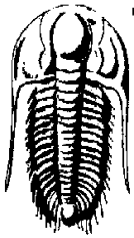
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.40	106.02	Initial Hydro-static
1	50.85	105.74	Open To Flow (1)
12	206.22	121.95	Shut-In(1)
42	1204.13	122.50	End Shut-In(1)
42	196.33	122.12	Open To Flow (2)
52	311.88	123.85	Shut-In(2)
86	1178.81	123.92	End Shut-In(2)
87	2099.61	119.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	60%Mud/40%Water	0.30
540.00	%5Mud/75%Water/10%Oil/10%Gas	7.57
150.00	40%Mud/40%Water/10%Oil/10%Gas	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Job Ticket: 41081

DST#: 2

ATTN: Jason Alm

Test Start: 2010.10.10 @ 14:03:28

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 71.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 8400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	60%Mud/40%Water	0.295
540.00	%5Mud/75%Water/10%Oil/10%Gas	7.575
150.00	40%Mud/40%Water/10%Oil/10%Gas	2.104

Total Length: 750.00 ft

Total Volume: 9.974 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

