

15-175-22188-0000



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

KCC
APR 18 2011

34/32s/31w

Job Ticket: 39384

DST#: 1

Test Start: 2011.02.20 @ 00:10:28

GENERAL INFORMATION:

CONFIDENTIAL

Formation: **Lansing**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 03:51:28

Time Test Ended: 09:03:13

Test Type: **Conventional Bottom Hole**

Tester: **Mike Slemp**

Unit No: **53**

Interval: **4306.00 ft (KB) To 4472.00 ft (KB) (TVD)**

Total Depth: **4472.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2786.00 ft (KB)**

2776.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **8677**

Inside

Press@RunDepth: **858.35 psig @ 4308.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.02.20**

End Date:

2011.02.20

Last Calib.:

2011.02.20

Start Time: **00:10:29**

End Time:

09:03:13

Time On Btm:

2011.02.20 @ 03:43:58

Time Off Btm:

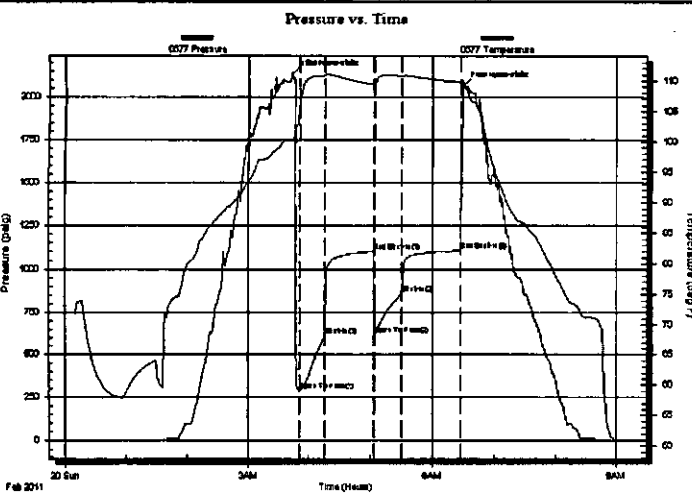
2011.02.20 @ 06:29:58

TEST COMMENT: IF- BOB in 1 min, GTS in 8 min

IS- BOB Blow back

FF- BOB ASAO GTS ASAO TSTM

FS- BOB Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.83	100.39	Initial Hydro-static
8	288.78	106.94	Open To Flow (1)
32	613.77	110.87	Shut-In(1)
79	1102.22	109.43	End Shut-In(1)
80	620.88	109.24	Open To Flow (2)
107	858.35	110.81	Shut-In(2)
164	1107.69	109.83	End Shut-In(2)
166	2063.16	109.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1900.00	w ater95%w ater5%mud	25.06

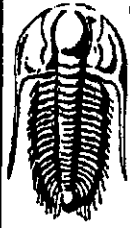
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	8.00	8.38
Max. Gas Rate	0.13	8.00	8.38

RECEIVED

APR 18 2011

KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w
Job Ticket: 39384 **DST#: 1**
Test Start: 2011.02.20 @ 00:10:28

Mud and Cushion Information

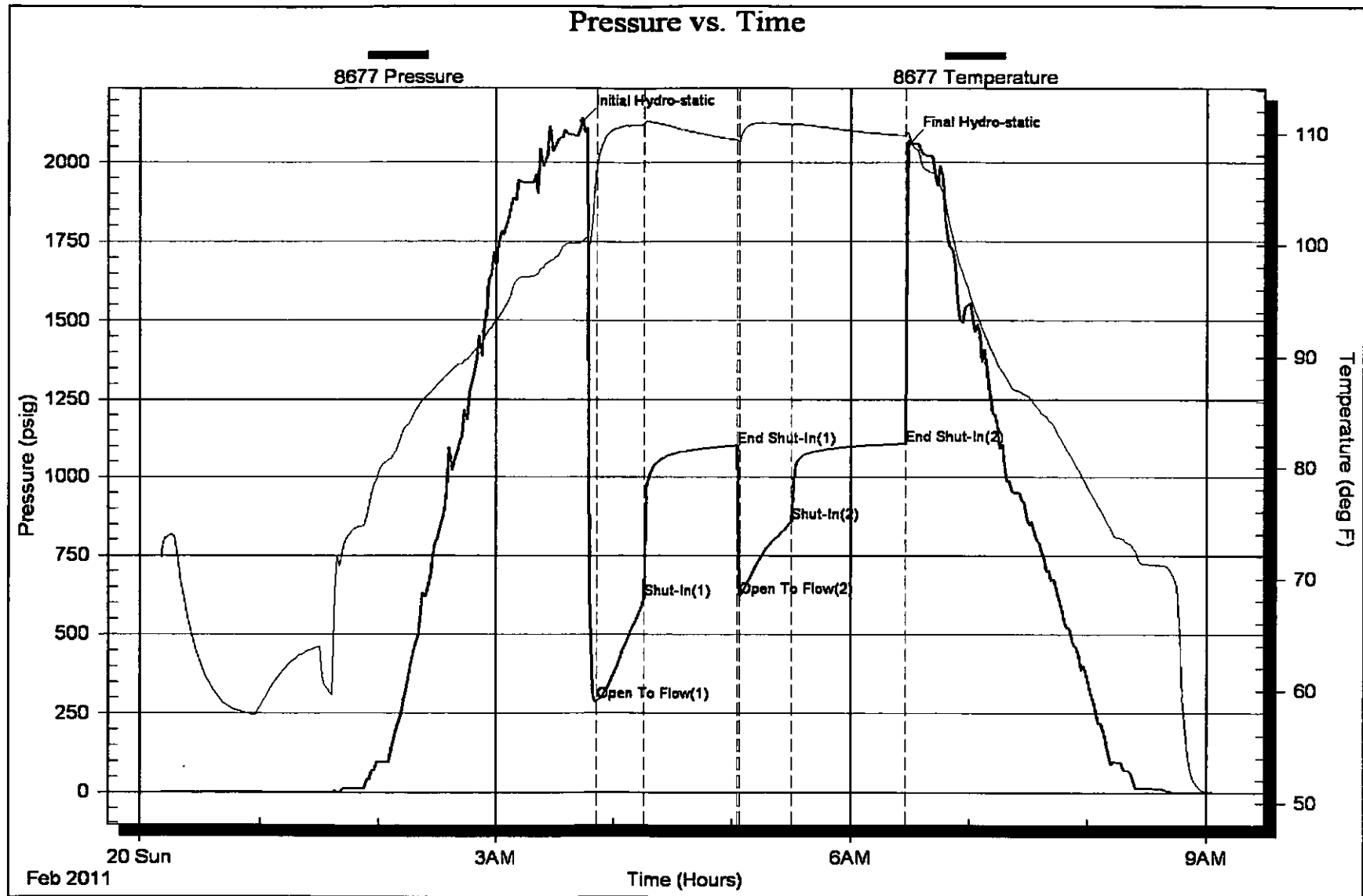
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	50000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3100.00 ppm			
Filter Cake: inches			

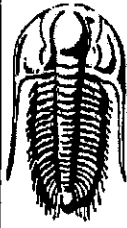
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1900.00	water95%water5%mud	25.058

Total Length: 1900.00 ft Total Volume: 25.058 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

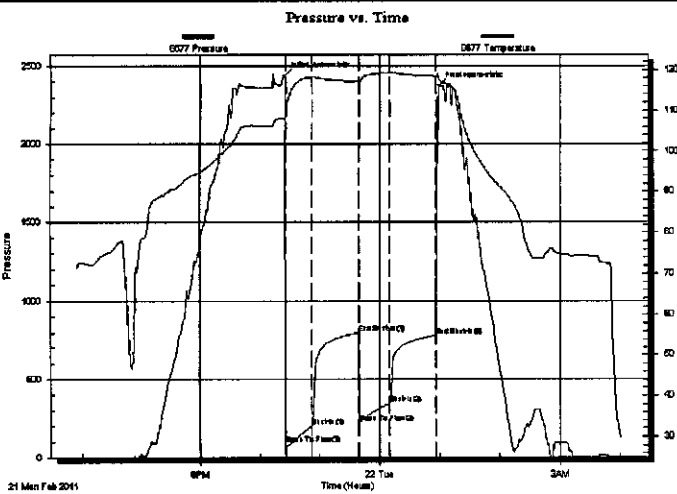
Singley #9
34/32s/31w
Job Ticket: 39385 **DST#: 2**
Test Start: 2011.02.21 @ 18:55:24

GENERAL INFORMATION:

Formation: **KC**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 22:26:24
Time Test Ended: 04:02:24
Interval: **4894.00 ft (KB) To 4910.00 ft (KB) (TVD)**
Total Depth: **4910.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Mike Slemp**
Unit No: **53**
Reference Elevations: **2786.00 ft (KB)**
2776.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8677 **Inside**
Press@RunDepth: **347.38 psig @ 4896.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.02.21** End Date: **2011.02.22** Last Calib.: **2011.02.22**
Start Time: **18:55:25** End Time: **04:02:24** Time On Btm: **2011.02.21 @ 22:25:09**
Time Off Btm: **2011.02.22 @ 00:58:54**

TEST COMMENT: IF-BOB in 1 min, GTS in 15 min TSTM
IS- No blow back
FF- BOB in 6 min GTS 7 min TSTM
FS- No blow back



PRESSURE SUMMARY

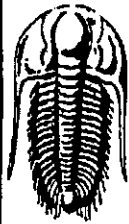
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2435.23	108.11	Initial Hydro-static
2	90.17	109.01	Open To Flow (1)
28	198.92	118.17	Shut-In(1)
74	800.54	117.01	End Shut-In(1)
75	223.88	116.84	Open To Flow(2)
105	347.38	119.13	Shut-In(2)
152	782.39	118.35	End Shut-In(2)
154	2373.01	117.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00		6.82

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w
Job Ticket: 39385
DST#: 2
Test Start: 2011.02.21 @ 18:55:24

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:	45000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

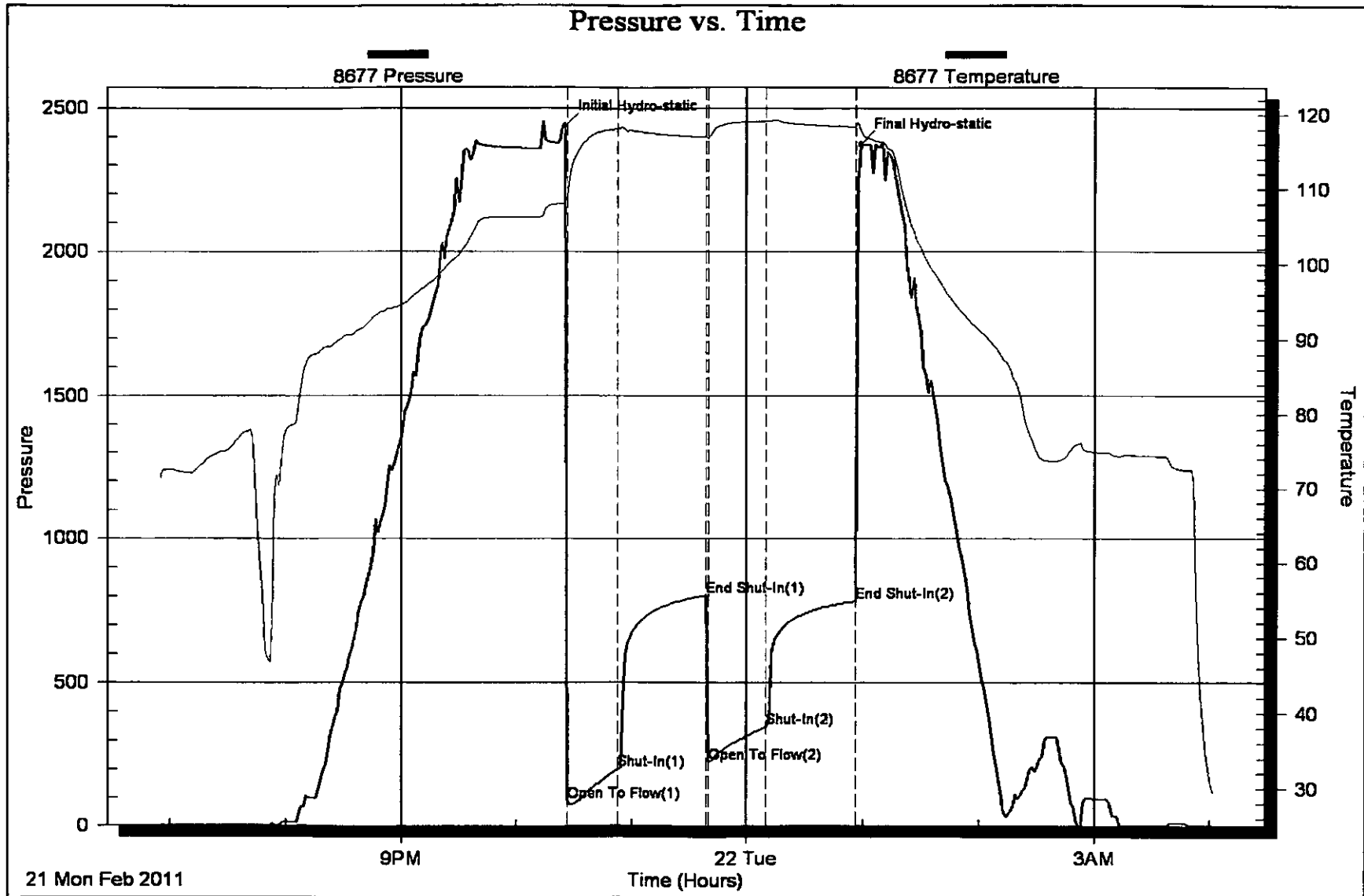
Length ft	Description	Volume bbl
600.00		6.822

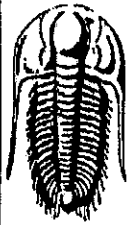
Total Length: 600.00 ft Total Volume: 6.822 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w
Job Ticket: 39386 **DST#: 3**
Test Start: 2011.02.22 @ 20:05:25

Mud and Cushion Information

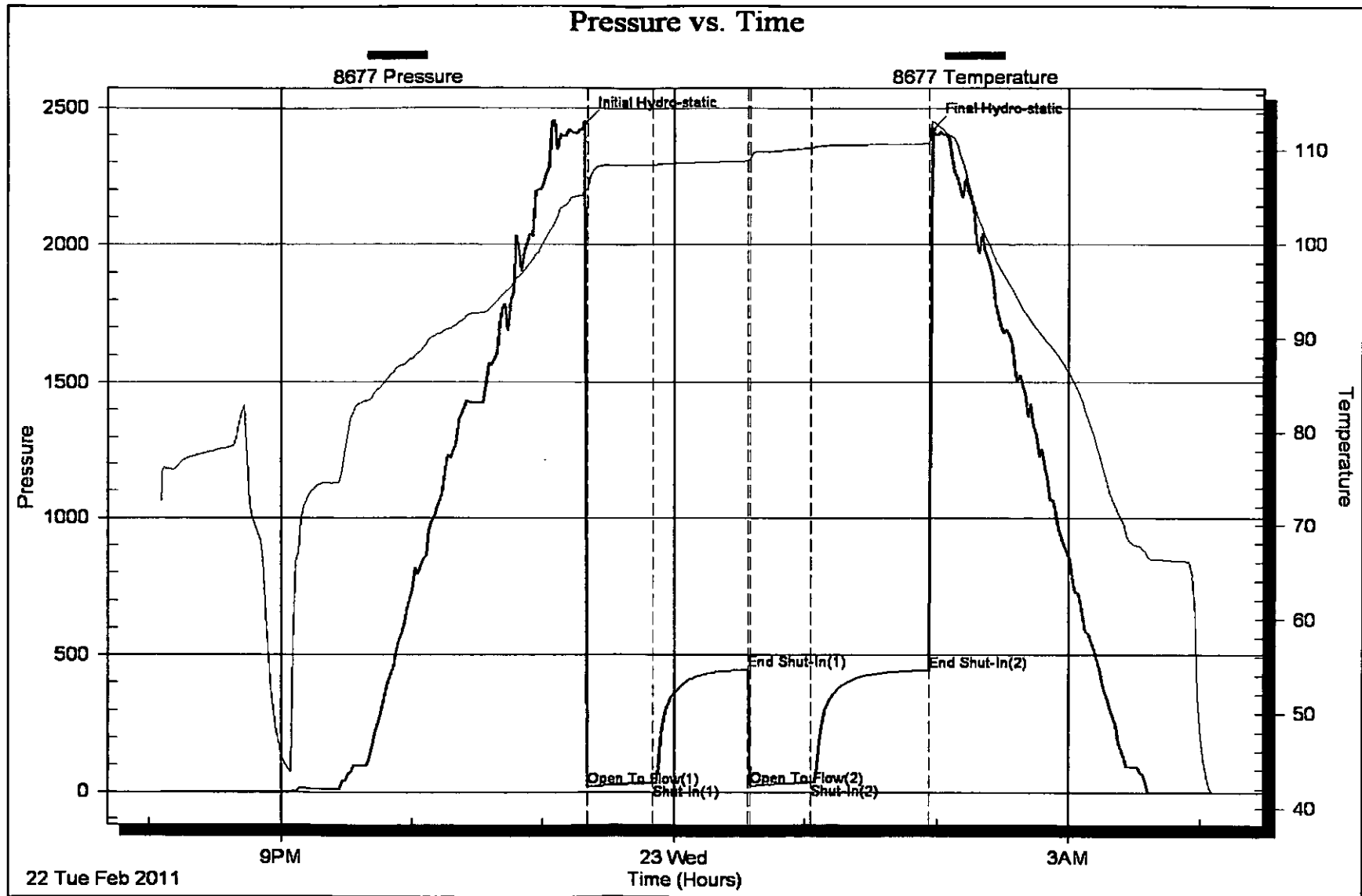
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

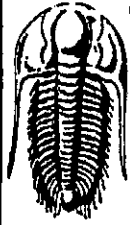
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w

Job Ticket: 39387

DST#: 4

Test Start: 2011.02.25 @ 04:55:52

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:32:37

Time Test Ended: 15:06:52

Test Type: **Conventional Bottom Hole**

Tester: **Mike Slemp**

Unit No: **53**

Interval: **5504.00 ft (KB) To 5610.00 ft (KB) (TVD)**

Total Depth: **5610.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2786.00 ft (KB)**

2776.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8677

Inside

Press@RunDepth: **63.50 psig @ 5506.00 ft (KB)**

Start Date: **2011.02.25**

End Date:

2011.02.25

Capacity: **8000.00 psig**

Last Calib.: **2011.02.25**

Start Time: **04:55:53**

End Time:

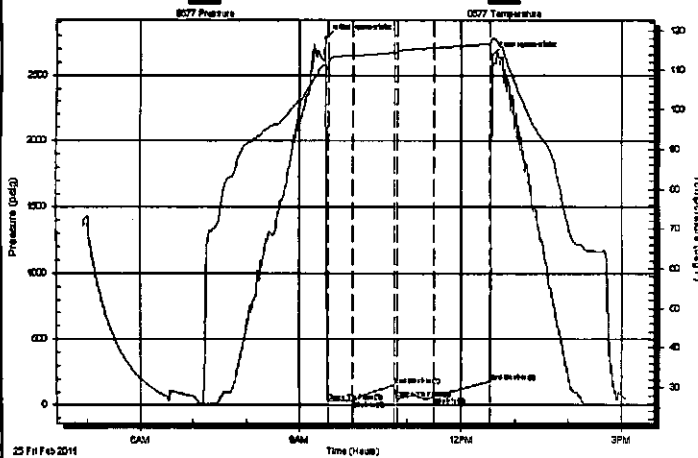
15:06:52

Time On Btm: **2011.02.25 @ 09:29:37**

Time Off Btm: **2011.02.25 @ 12:34:07**

TEST COMMENT: IF- Weak building blow , 6 inches in 30 min
IS- No blow back
FF- Weak building blow 3 inches in 45 min
FS- No blow back

Pressure vs. Time



PRESSURE SUMMARY

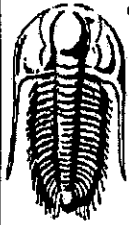
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2780.82	111.32	Initial Hydro-static
3	27.63	111.88	Open To Flow (1)
30	35.27	113.64	Shut-In(1)
77	150.81	114.40	End Shut-In(1)
80	43.51	114.72	Open To Flow (2)
120	63.50	115.60	Shut-In(2)
183	179.32	116.68	End Shut-In(2)
185	2652.52	118.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w

Job Ticket: 39387

DST#: 4

Test Start: 2011.02.25 @ 04:55:52

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

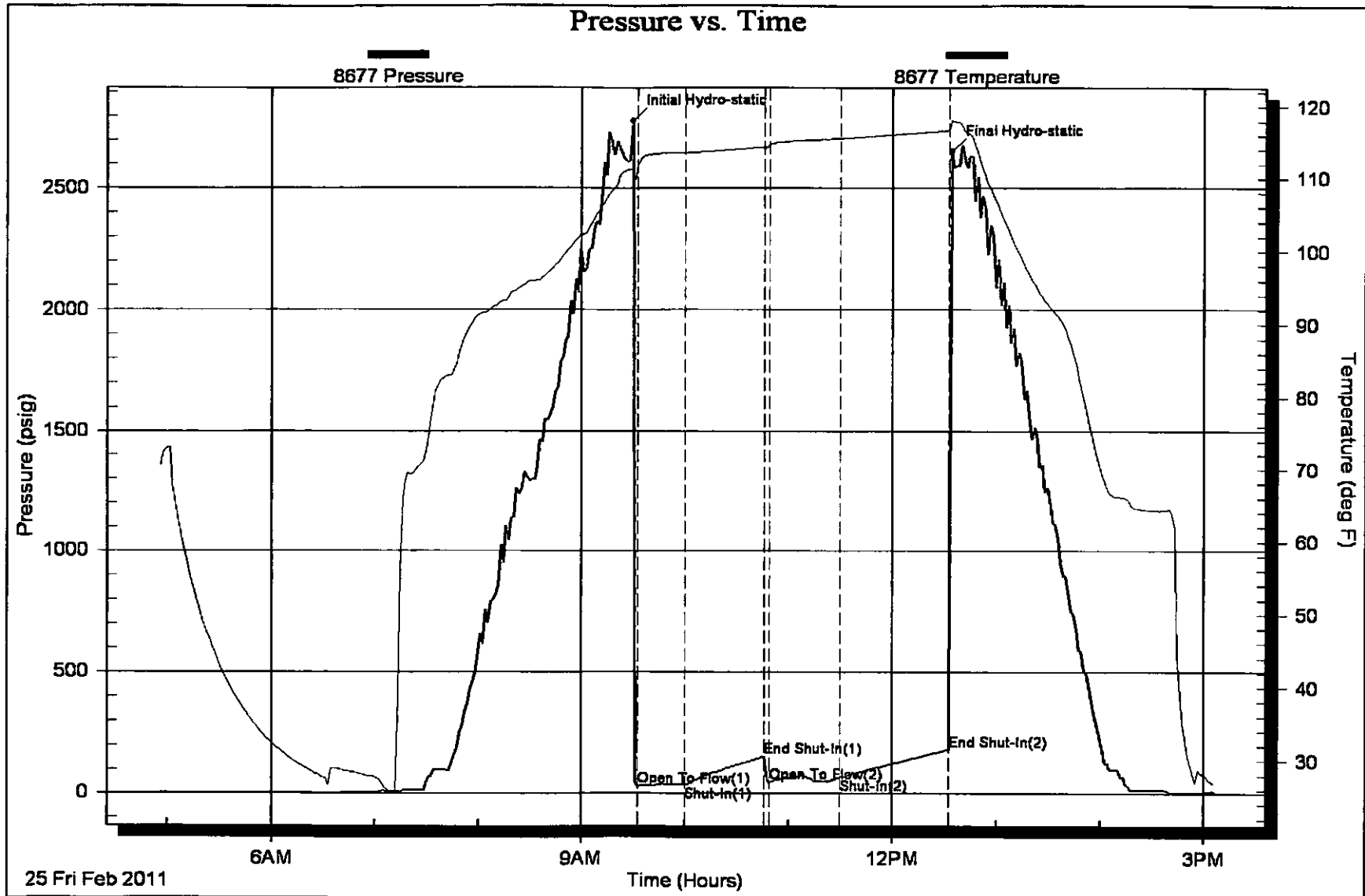
Num Gas Bombs: 0

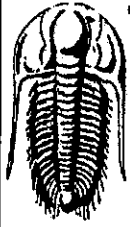
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

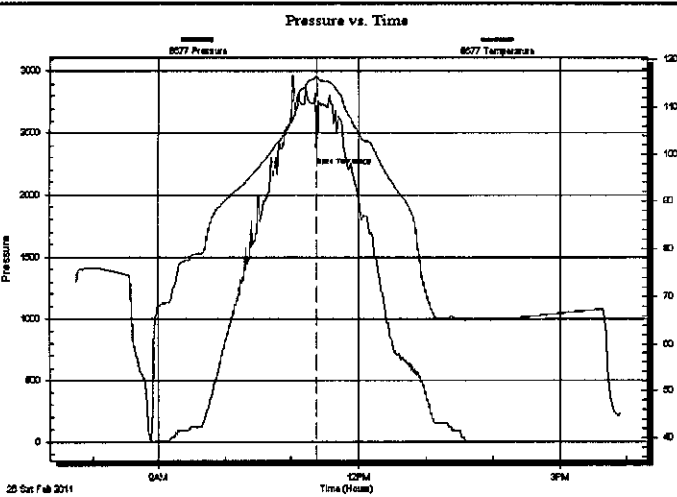
Singley #9
34/32s/31w
Job Ticket: 39388 **DST#: 5**
Test Start: 2011.02.26 @ 07:45:34

GENERAL INFORMATION:

Formation: **Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:22:49
Time Test Ended: 15:54:04
Interval: **5718.00 ft (KB) To 5735.00 ft (KB) (TVD)**
Total Depth: **5735.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: Good
Reference Elevations: **2786.00 ft (KB)**
2776.00 ft (CF)
KB to GR/CF: **10.00 ft**
Test Type: Conventional Bottom Hole
Tester: Mike Slemp53
Unit No:

Serial #: 8677 Inside
Press@RunDepth: psig @ 5720.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.02.26 End Date: 2011.02.26 Last Calib.: 2011.02.26
Start Time: 07:45:35 End Time: 15:54:04 Time On Btm:
Time Off Btm:

TEST COMMENT: MISRUN- Packer failure, as soon as tool opened mud was gone and pump could not fill hole.



PRESSURE SUMMARY

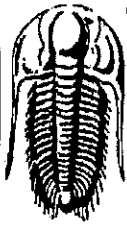
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.77	116.65	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
400.00	100% mud	4.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w
Job Ticket: 39388 **DST#: 5**
Test Start: 2011.02.26 @ 07:45:34

Mud and Cushion Information

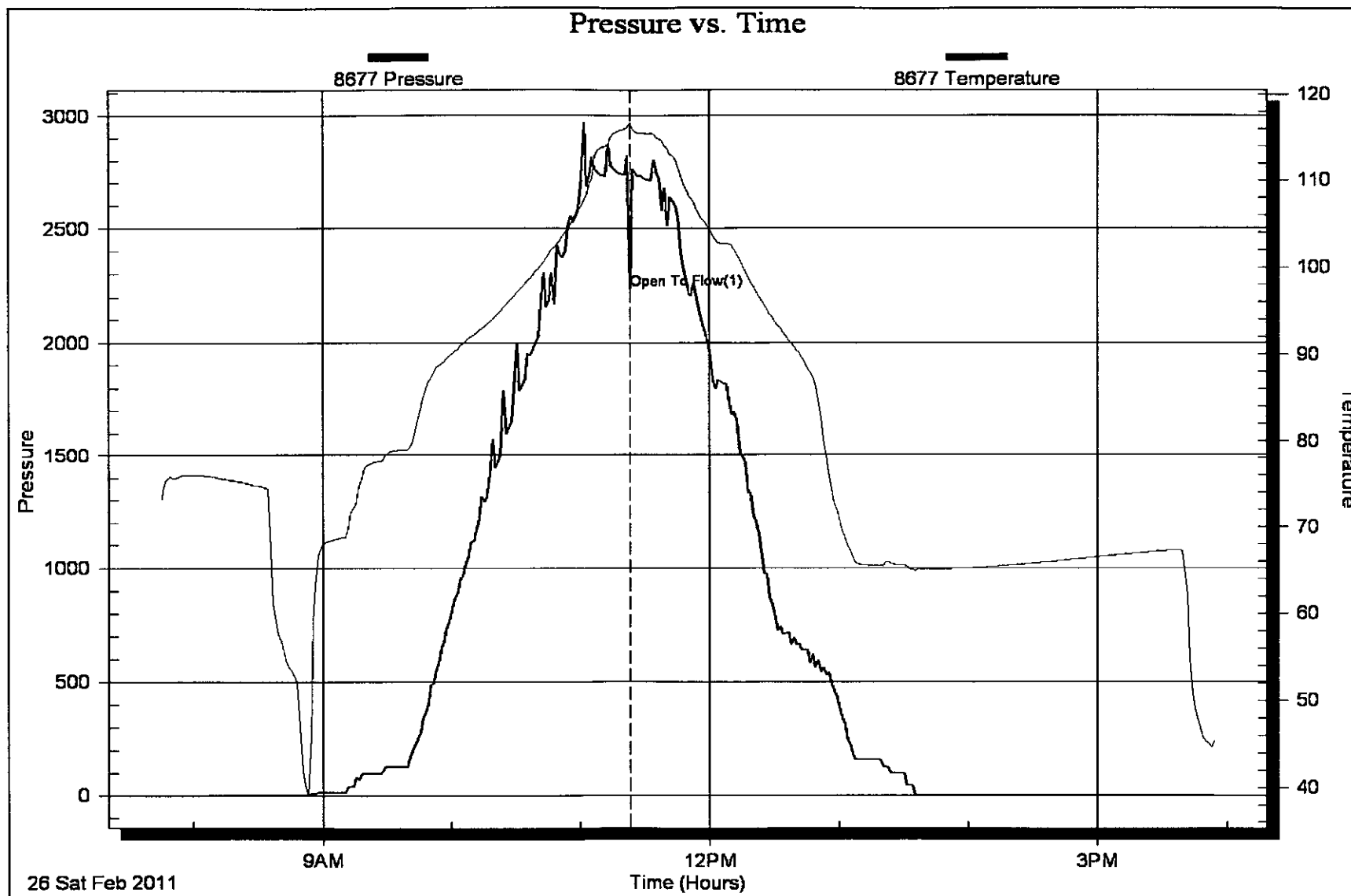
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

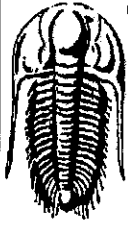
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	100% mud	4.017

Total Length: 400.00 ft Total Volume: 4.017 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

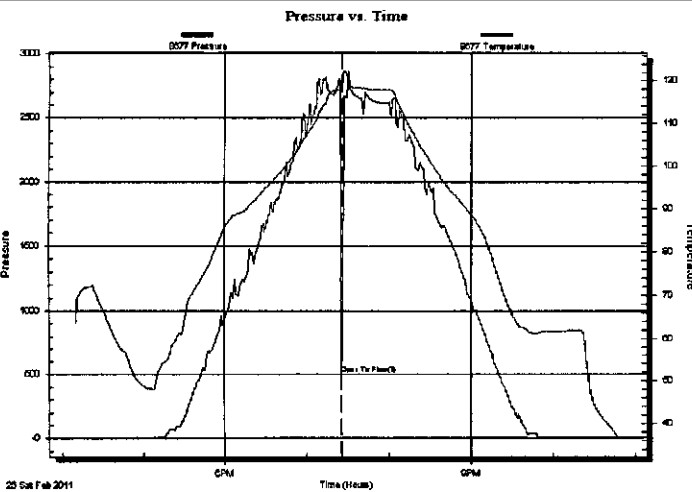
Singley #9
34/32s/31w
Job Ticket: 39389 **DST#: 6**
Test Start: 2011.02.26 @ 16:10:11

GENERAL INFORMATION:

Formation: **Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:25:26
Time Test Ended: 22:48:26
Interval: **5610.00 ft (KB) To 5735.00 ft (KB) (TVD)**
Total Depth: 5735.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53
Reference Elevations: 2786.00 ft (KB)
2776.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8677 Inside
Press@RunDepth: psig @ 5612.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.02.26 End Date: 2011.02.26 Last Calib.: 2011.02.26
Start Time: 16:10:12 End Time: 22:48:26 Time On Btm:
Time Off Btm:

TEST COMMENT: Misrun-Packer failure



PRESSURE SUMMARY

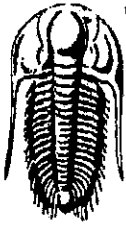
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	501.37	117.44	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
450.00	100% mud	4.72

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

34/32s/31w

Job Ticket: 39389

DST#: 6

Test Start: 2011.02.26 @ 16:10:11

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	100% mud	4.718

Total Length: 450.00 ft Total Volume: 4.718 bbl

Num Fluid Samples: 0

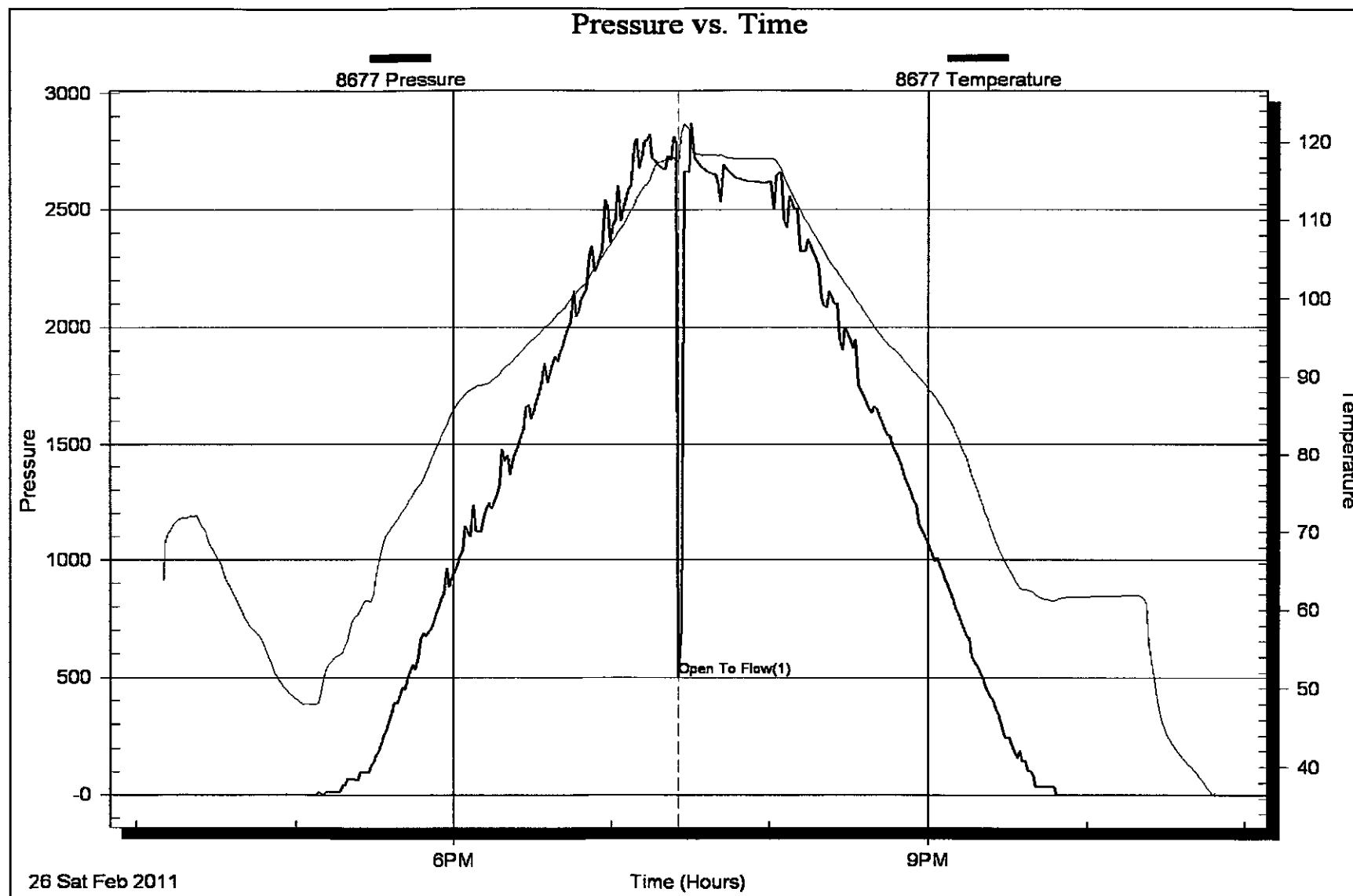
Num Gas Bombs: 0

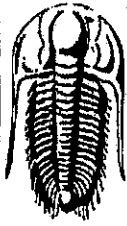
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
3115 Cummings RD
PO Box 399
Garden City Ks, 67846
ATTN: Roger Fisher

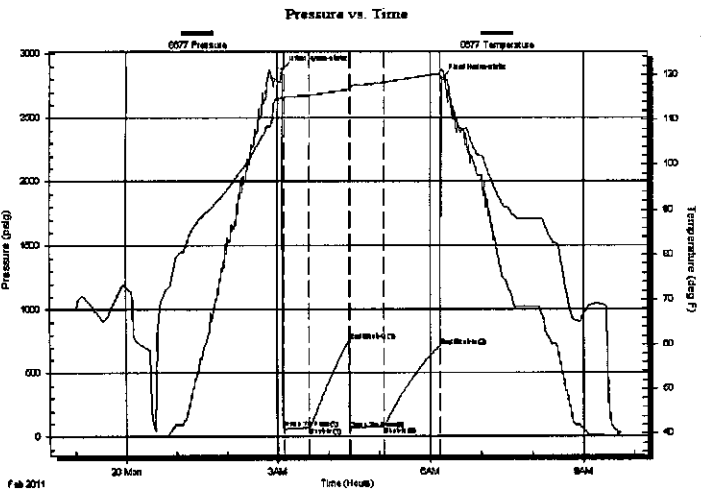
Singley #9
34/32s/31w
Job Ticket: 39390 **DST#: 7**
Test Start: 2011.02.27 @ 23:00:53

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 03:07:38
Time Test Ended: 09:44:23
Interval: **5862.00 ft (KB) To 5929.00 ft (KB) (TVD)**
Total Depth: **5929.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Mike Slemp**
Unit No: **53**
Reference Elevations: **2786.00 ft (KB)**
2776.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8677 Inside
Press@RunDepth: **77.40 psig @ 5864.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.02.27** End Date: **2011.02.28** Last Calib.: **2011.02.28**
Start Time: **23:00:54** End Time: **09:44:23** Time On Btm: **2011.02.28 @ 03:06:08**
Time Off Btm: **2011.02.28 @ 06:13:08**

TEST COMMENT: IF- BOB in 15 min
IS- No blow back
FF- BOB in 30 min
FSI- No blow back



PRESSURE SUMMARY

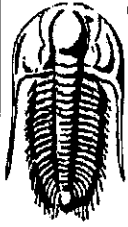
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2876.68	115.05	Initial Hydro-static
2	66.95	114.42	Open To Flow (1)
32	69.93	115.44	Shut-In(1)
78	759.27	116.83	End Shut-In(1)
80	53.50	117.15	Open To Flow (2)
119	77.40	118.29	Shut-In(2)
185	711.98	120.14	End Shut-In(2)
187	2811.85	121.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% mud	0.59
5.00	100% mud Skim of oil	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Singley #9

3115 Cummings RD
PO Box399
Garden City Ks,67846
ATTN: Roger Fisher

34/32s/31w
Job Ticket: 39390 **DST#: 7**
Test Start: 2011.02.27 @ 23:00:53

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: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100% mud	0.590
5.00	100% mud Skim of oil	0.025

Total Length: 125.00 ft Total Volume: 0.615 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

