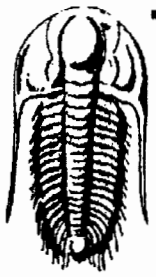
KCC WICHITA
OCT 0 8 2004
RECEIVED

KCC
OCT 0 6 2004
CONFIDENTIAL

15-185-23262



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior.inc.**

p.o.Box 399
Garden city,Kansas.

ATTN: Al Downing

8-22S-12W

Fischer #2-8

Start Date: 2004.07.18 @ 12:37:57
End Date: 2004.07.18 @ 20:24:12
Job Ticket #: 19698 DST #: 1

RELEASED
FROM
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19698 **DST#: 1**

Test Start: 2004.07.18 @ 12:37:57

GENERAL INFORMATION:

Formation: **Lansing "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:32:57
Time Test Ended: 20:24:12

Test Type: Conventional Bottom Hole
Tester: Darren L.Amerine
Unit No: 19

Interval: 3364.00 ft (KB) To 3394.00 ft (KB) (TVD)
Total Depth: 3394.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

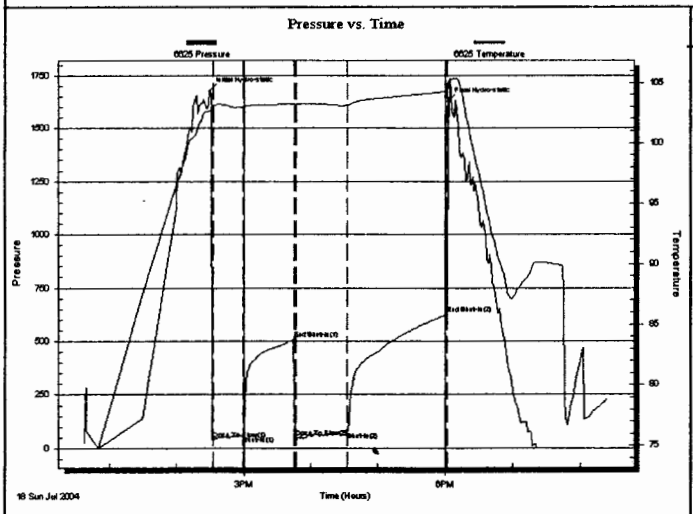
Reference Elevations: 1880.00 ft (KB)
1871.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 76.59 psig @ 3370.00 ft (KB)
Start Date: 2004.07.18 End Date: 2004.07.18
Start Time: 12:38:00 End Time: 20:24:12

Capacity: 7000.00 psig
Last Calib.: 2004.07.18
Time On Btm: 2004.07.18 @ 14:29:57
Time Off Btm: 2004.07.18 @ 18:02:42

TEST COMMENT: IF:Strong blow b.o.b in 30 sec.GTS in 15 mins.gauge gas.
ISI:Bled down for 5 mins.no blow back.
FF:Strong blow b.o.b in 15 sec.gauge gas.
FSI:Bled down for 8 mins.no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.86	102.63	Initial Hydro-static
3	41.99	103.15	Open To Flow (1)
30	56.43	102.97	Shut-In(1)
75	508.37	103.23	End Shut-In(1)
77	47.14	103.19	Open To Flow (2)
123	76.59	103.13	Shut-In(2)
212	625.53	104.27	End Shut-In(2)
213	1626.10	104.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3058'of gip	0.00
107.00	HG&OCM 40%gas 10%oil 50%mud	0.53
183.00	SG&OCM 10%gas 6%oil 84%mud	1.31

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.50	26.81
Last Gas Rate		0.00	
Max. Gas Rate	0.25	6.50	33.16

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19698 **DST#: 1**

Test Start: 2004.07.18 @ 12:37:57

Tool Information

Drill Pipe:	Length:	3103.89 ft	Diameter:	3.80 inches	Volume:	43.54 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	245.11 ft	Diameter:	2.25 inches	Volume:	1.21 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	44.75 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight:	Initial	54000.00 lb
Depth to Top Packer:		3364.00 ft						Final	54000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		30.00 ft							
Tool Length:		51.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3344.00		
Shut In Tool	5.00			3349.00		
Hydraulic tool	5.00			3354.00		
Packer	5.00			3359.00	21.00	Bottom Of Top Packer
Packer	5.00			3364.00		
Stubb	1.00			3365.00		
Anchor	5.00			3370.00		
Recorder	0.00	6625	Inside	3370.00		
Anchor	10.00			3380.00		
Recorder	0.00	10991	Outside	3380.00	30.00	Tool Interval
Packer	12.00			3392.00		
Bullnose	2.00			3394.00	1000050.00	Bottom Packers & Anchor
Total Tool Length:	**51.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19698 **DST#: 1**

Test Start: 2004.07.18 @ 12:37:57

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:	70.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.98 in³	Gas Cushion Type:			
Resistivity:	0.08 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10000.00 ppm				
Filter Cake:	0.32 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3058'of gip	0.000
107.00	HG&OCM 40%gas 10%oil 50%mud	0.526
183.00	SG&OCM 10%gas 6%oil 84%mud	1.309

Total Length: 290.00 ft Total Volume: 1.835 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #:

Laboratory Name: Caraw ay Laboratory Location: Liberal, KS

Recovery Comments:

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19698 **DST#: 1**

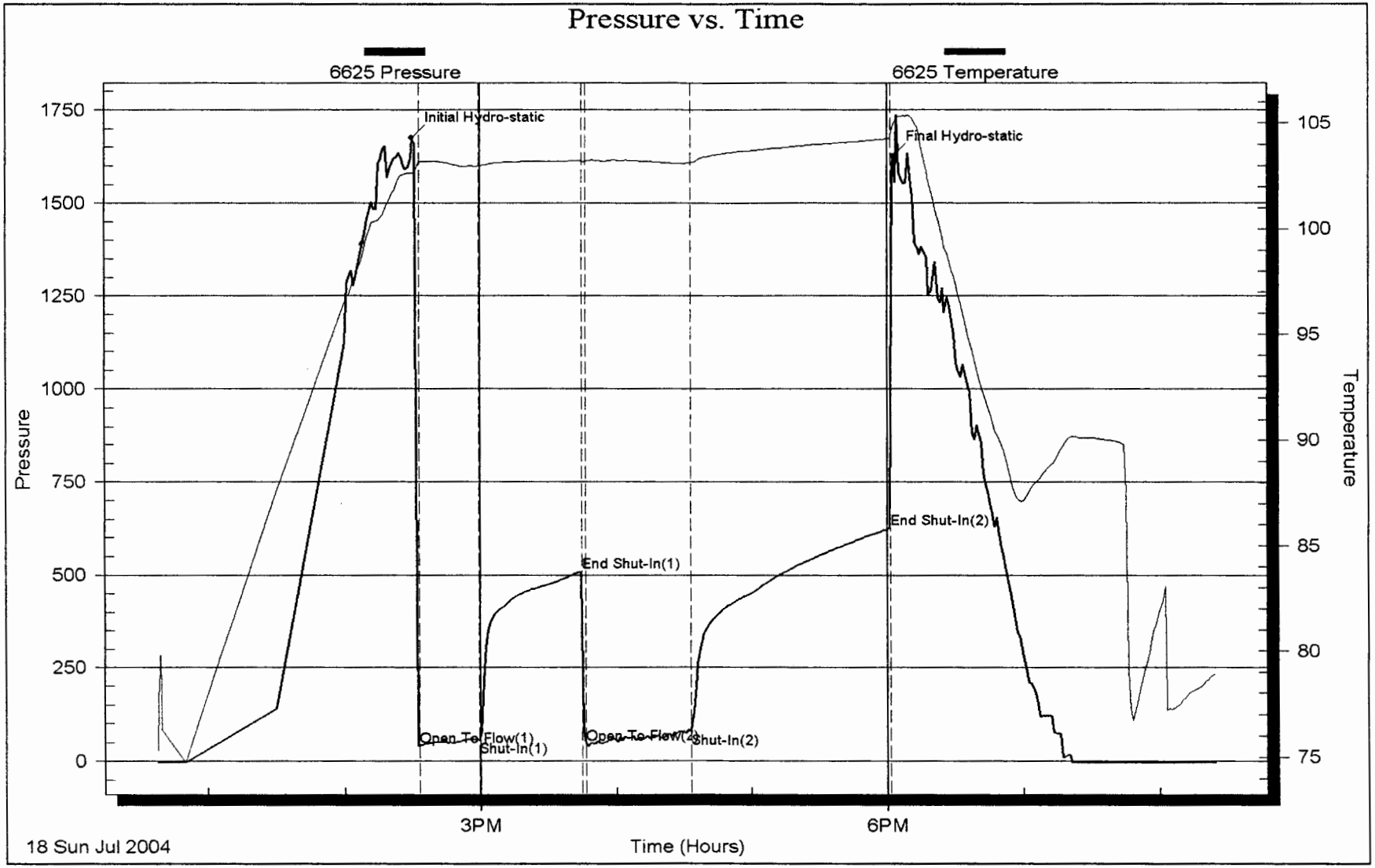
Test Start: 2004.07.18 @ 12:37:57

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
1	20	0.25	2.50	26.81
1	25	0.25	3.50	28.40
1	30	0.25	6.50	33.16
2	10	0.25	6.00	32.36
2	20	0.25	5.80	32.05
2	30	0.25	5.20	31.09
2	40	0.25	4.50	29.98
2	45	0.25	4.20	29.51
0	0	-999999.00	0.00	-999999.00


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
Time (Hours)
3PM
6PM
18 Sun Jul 2004
1750
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior.inc.**

p.o.Box 399
Garden city,Kansas.

ATTN: Al Downing

8-22S-12W

Fischer #2-8

Start Date: 2004.07.19 @ 08:29:23

End Date: 2004.07.19 @ 16:25:35

Job Ticket #: 19699 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19699 **DST#: 2**

Test Start: 2004.07.19 @ 08:29:23

GENERAL INFORMATION:

Formation: **Lansing (H-I-J)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:16:50
Time Test Ended: 16:25:35

Test Type: Conventional Bottom Hole
Tester: Darren L.Amerine
Unit No: 19

Interval: 3430.00 ft (KB) To 3500.00 ft (KB) (TVD)
Total Depth: 3500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

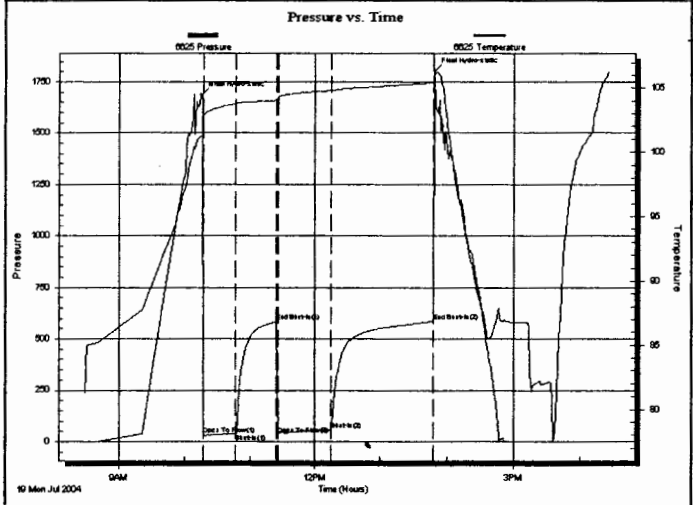
Reference Elevations: 1880.00 ft (KB)
1871.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 58.38 psig @ 3436.00 ft (KB)
Start Date: 2004.07.19 End Date: 2004.07.19
Start Time: 08:29:23 End Time: 16:25:35

Capacity: 7000.00 psig
Last Calib.: 2004.07.19
Time On Btm: 2004.07.19 @ 10:15:05
Time Off Btm: 2004.07.19 @ 13:48:35

TEST COMMENT: IF:Strong blow b.o.b in 30 sec.
ISI:Bled dow n for 10 mins.no blow back.
FF:Strong blow b.o.b in 10 sec.GTS in 30 sec.gauge gas.
FSI:Bled dow n for 10 mins.no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.30	101.22	Initial Hydro-static
2	31.45	102.82	Open To Flow (1)
31	38.68	103.77	Shut-In(1)
70	583.25	104.03	End Shut-In(1)
71	34.00	104.22	Open To Flow (2)
121	58.38	104.78	Shut-In(2)
213	585.15	105.39	End Shut-In(2)
214	1802.52	106.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3341'of gip	0.00
70.00	SGCM 10%gas 90%mud	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate		0.00	
Max. Gas Rate	0.13	6.10	7.67

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19699 **DST#: 2**

Test Start: 2004.07.19 @ 08:29:23

Tool Information

Drill Pipe:	Length:	3166.89 ft	Diameter:	3.80 inches	Volume:	44.42 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	245.11 ft	Diameter:	2.25 inches	Volume:	1.21 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	45.63 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		3430.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		70.00 ft							
Tool Length:		91.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3410.00		
Shut In Tool	5.00			3415.00		
Hydraulic tool	5.00			3420.00		
Packer	5.00			3425.00	21.00	Bottom Of Top Packer
Packer	5.00			3430.00		
Stubb	1.00			3431.00		
Anchor	5.00			3436.00		
Recorder	0.00	6625	Inside	3436.00		
Anchor	14.00			3450.00		
Recorder	0.00	10991	Outside	3450.00		
Anchor	16.00			3466.00		
Blank Spacing	31.00			3497.00		
Bullnose	3.00			3500.00	70.00	Bottom Packers & Anchor
Total Tool Length:	**91.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19699 **DST#: 2**

Test Start: 2004.07.19 @ 08:29:23

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	0.09 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9000.00 ppm				
Filter Cake:	0.32 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3341'of gip	0.000
70.00	SGCM 10%gas 90%mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #:

Laboratory Name: Caraw ay Laboratory Location: Liberal, KS

Recovery Comments:

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

American Warrior.inc.

p.o.Box 399
Garden city,Kansas.

ATTN: Al Dow ning

Fischer #2-8

8-22S-12W

Job Ticket: 19699 **DST#: 2**

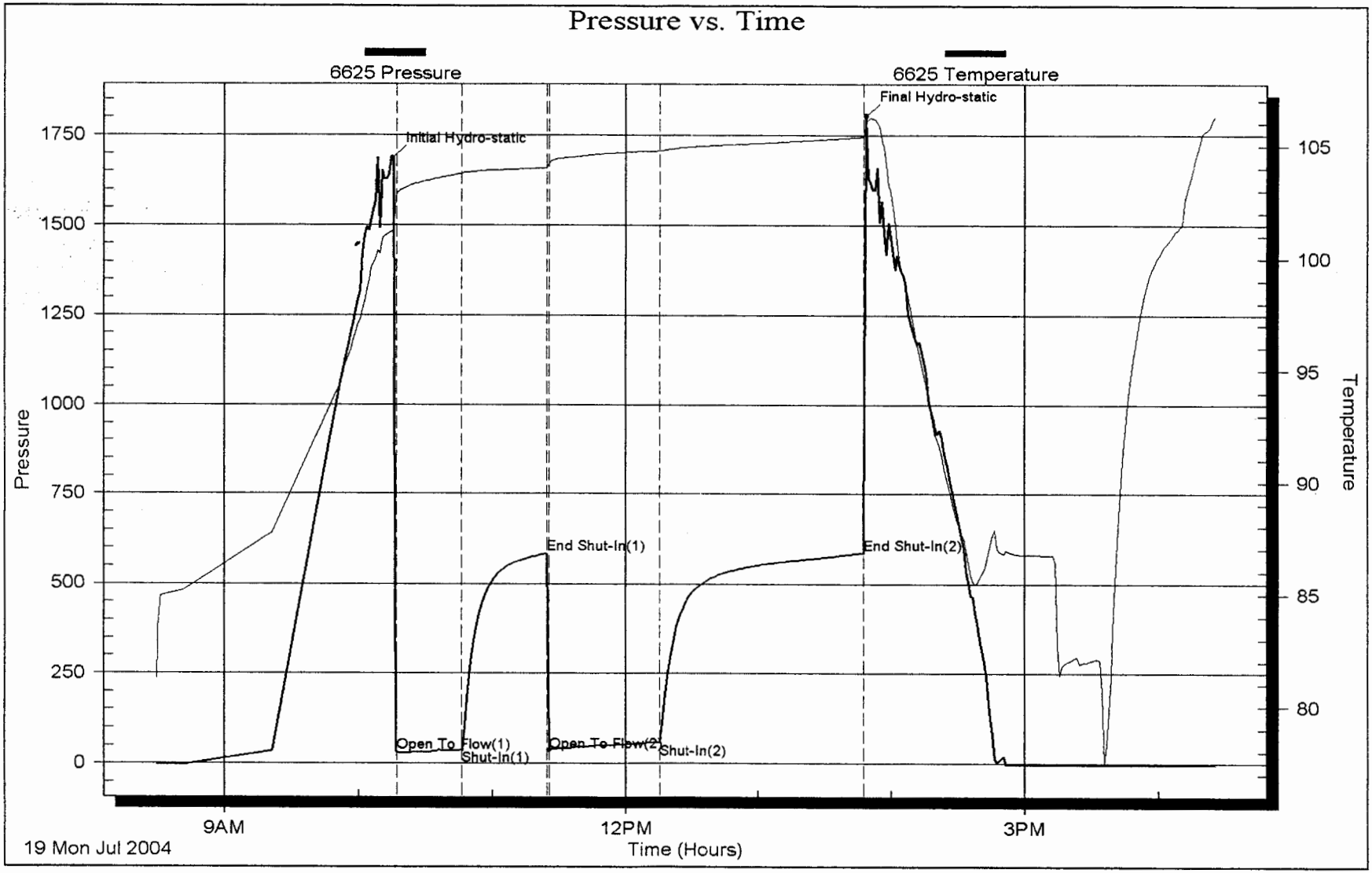
Test Start: 2004.07.19 @ 08:29:23

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
2	10	0.13	3.00	6.51
2	20	0.13	4.20	6.96
2	30	0.13	5.20	7.34
2	40	0.13	6.00	7.63
2	45	0.13	6.10	7.67
0	0	-999999.00	0.00	-999999.00


Pressure vs. Time
6625 Pressure
6625 Temperature
Final Hydro-static
Initial Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
9AM
12PM
3PM
19 Mon Jul 2004
Time (Hours)