KCC
15-191-22528-0000

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

34 34S 2W Sumner KS

Volavka #1-34

Start Date: 2008.04.14 @ 13:26:50
End Date: 2008.04.14 @ 23:03:39
Job Ticket #: 30360 DST #: 1

KANSAS CORPORATION COMMISSION
JUN 15 2009
RECEIVED

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30360 **DST#: 1**

Test Start: 2008.04.14 @ 13:26:50

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:18:40
Time Test Ended: 23:03:39

Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 24

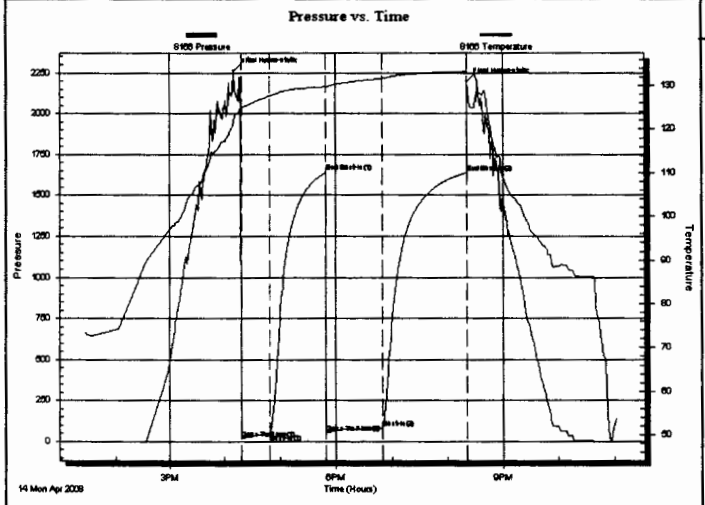
Interval: 4164.00 ft (KB) To 4180.00 ft (KB) (TVD)
Total Depth: 4180.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1121.00 ft (KB)
1111.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8166 **Inside**
Press@RunDepth: 83.60 psig @ 4165.00 ft (KB)
Start Date: 2008.04.14 End Date: 2008.04.14
Start Time: 13:26:55 End Time: 23:03:40

Capacity: 7000.00 psig
Last Calib.: 2008.04.14
Time On Btm: 2008.04.14 @ 16:11:00
Time Off Btm: 2008.04.14 @ 20:21:20

TEST COMMENT: IF Strong blow BOB in 11 min
ISI Bled off no blow back
FF Strong blow BOB in 9 min
FSI Bled off no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.68	121.56	Initial Hydro-static
8	17.11	124.56	Open To Flow (1)
39	49.03	127.68	Shut-In(1)
99	1641.48	129.73	End Shut-In(1)
99	52.92	129.25	Open To Flow (2)
159	83.60	131.66	Shut-In(2)
250	1637.49	133.25	End Shut-In(2)
251	2195.84	132.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 660 '	0.00
124.00	Water	0.61
62.00	WCM 35%W 65%M	0.32

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30360 **DST#: 1**

Test Start: 2008.04.14 @ 13:26:50

Tool Information

Drill Pipe:	Length:	3989.00 ft	Diameter:	3.80 inches	Volume:	55.96 bbl	
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	184.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	
					Total Volume:	56.86 bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	4164.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	16.00 ft
Tool Length:	37.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		80000.00 lb
Tool Chased		ft
String Weight:	Initial	72000.00 lb
	Final	72000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Circulating sub	1.00			4144.00		
Change Over Sub	1.00			4145.00		
Shut In Tool	5.00			4150.00		
Hydraulic tool	5.00			4155.00		
Packer	5.00			4160.00	21.00	Bottom Of Top Packer
Packer	4.00			4164.00		
Stubb	1.00			4165.00		
Recorder	0.00	8166	Inside	4165.00		
Recorder	0.00	8356	Outside	4165.00		
Perforations	12.00			4177.00		
Bullnose	3.00			4180.00	16.00	Bottom Packers & Anchor
Total Tool Length:	**37.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30360 **DST#: 1**

Test Start: 2008.04.14 @ 13:26:50

Mud and Cushion Information

Mud Type:		Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	17000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

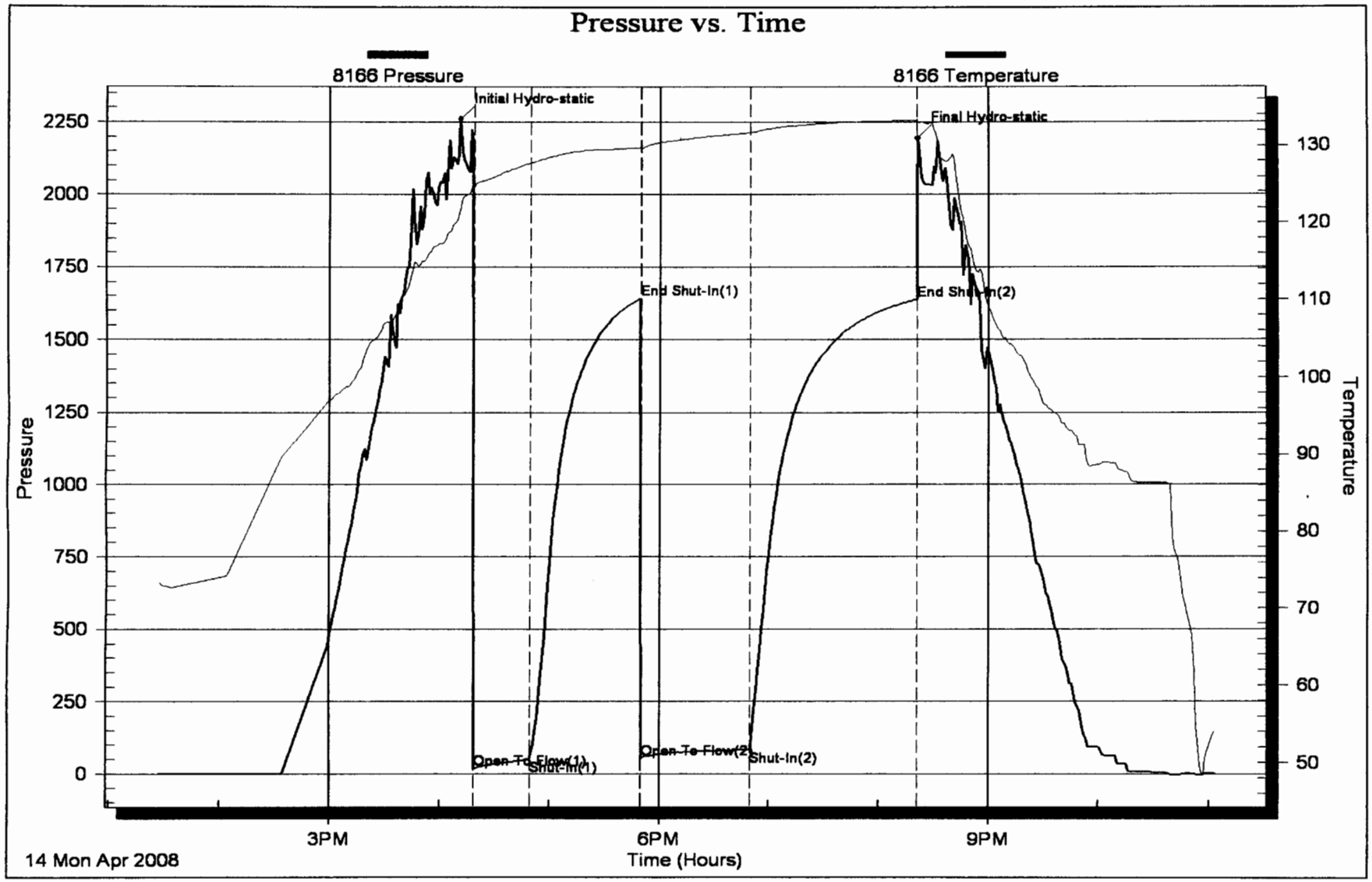
Length ft	Description	Volume bbl
0.00	GIP 660 '	0.000
124.00	Water	0.610
62.00	WCM 35%W 65%M	0.323

Total Length: 186.00 ft Total Volume: 0.933 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8166 Pressure
8166 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
2250
2000
1750
1500
1250
1000
750
500
250
0
130
120
110
100
90
80
70
60
50
3PM
6PM
9PM
14 Mon Apr 2008
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

34 34S 2W Sumner KS

Volavka #1-34

Start Date: 2008.04.17 @ 00:43:28
End Date: 2008.04.17 @ 13:47:58
Job Ticket #: 30361 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

KANSAS CORPORATION COMMISSION
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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30361 **DST#: 2**

Test Start: 2008.04.17 @ 00:43:28

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:27:18
Time Test Ended: 13:47:58

Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 24

Interval: 4569.00 ft (KB) To 4579.00 ft (KB) (TVD)
Total Depth: 4579.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

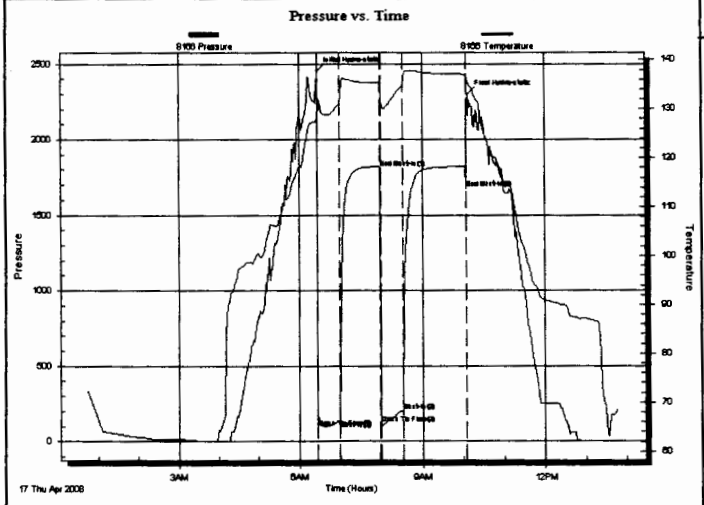
Reference Elevations: 1121.00 ft (KB)
1111.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: 200.97 psig @ 4570.00 ft (KB)
Start Date: 2008.04.17 End Date: 2008.04.17
Start Time: 00:43:33 End Time: 13:47:58

Capacity: 7000.00 psig
Last Calib.: 2008.04.17
Time On Btm: 2008.04.17 @ 06:27:07
Time Off Btm: 2008.04.17 @ 10:06:28

TEST COMMENT: IF Strong blow BOB in 45 sec GTS in 9 min Gauged gas took gas sample
ISI Bled off weak surface blow back
FF Strong blow BOB & GTS immediate Gauged gas
FSI Bled off weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2453.88	128.18	Initial Hydro-static
1	89.13	126.99	Open To Flow (1)
32	134.89	130.95	Shut-In(1)
92	1807.97	135.28	End Shut-In(1)
93	116.71	132.16	Open To Flow (2)
124	200.97	134.71	Shut-In(2)
217	1677.10	136.92	End Shut-In(2)
220	2299.76	135.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 4083 '	0.00
464.00	GSYO 15%G 85%O	4.83

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	13.00	43.47
Last Gas Rate	0.25	21.00	56.16
Max. Gas Rate	0.25	21.00	56.16

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30361 **DST#: 2**

Test Start: 2008.04.17 @ 00:43:28

Tool Information

Drill Pipe:	Length:	4363.00 ft	Diameter:	3.80 inches	Volume:	61.20 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	184.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	Weight to Pull Loose:		110000.0 lb
					Total Volume:	62.10 bbl	Tool Chased		5.00 ft
Drill Pipe Above KB:		7.00 ft					String Weight:	Initial	79000.00 lb
Depth to Top Packer:		4569.00 ft						Final	80000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		10.00 ft							
Tool Length:		39.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Circulating sub	1.00			4541.00		
Change Over Sub	1.00			4542.00		
Shut In Tool	5.00			4547.00		
Hydraulic tool	5.00			4552.00		
Jars	5.00			4557.00		
Safety Joint	3.00			4560.00		
Packer	5.00			4565.00	29.00	Bottom Of Top Packer
Packer	4.00			4569.00		
Stubb	1.00			4570.00		
Recorder	0.00	8166	Inside	4570.00		
Recorder	0.00	8356	Outside	4570.00		
Perforations	6.00			4576.00		
Bullnose	3.00			4579.00	10.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
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ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30361 **DST#: 2**

Test Start: 2008.04.17 @ 00:43:28

Mud and Cushion Information

Mud Type:		Cushion Type:		Oil API:	41.9 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	13.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	11000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP 4083 '	0.000
464.00	GSYO 15%G 85%O	4.833

Total Length: 464.00 ft Total Volume: 4.833 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jim Dilts

Volavka #1-34

34 34S 2W Sumner KS

Job Ticket: 30361 **DST#: 2**

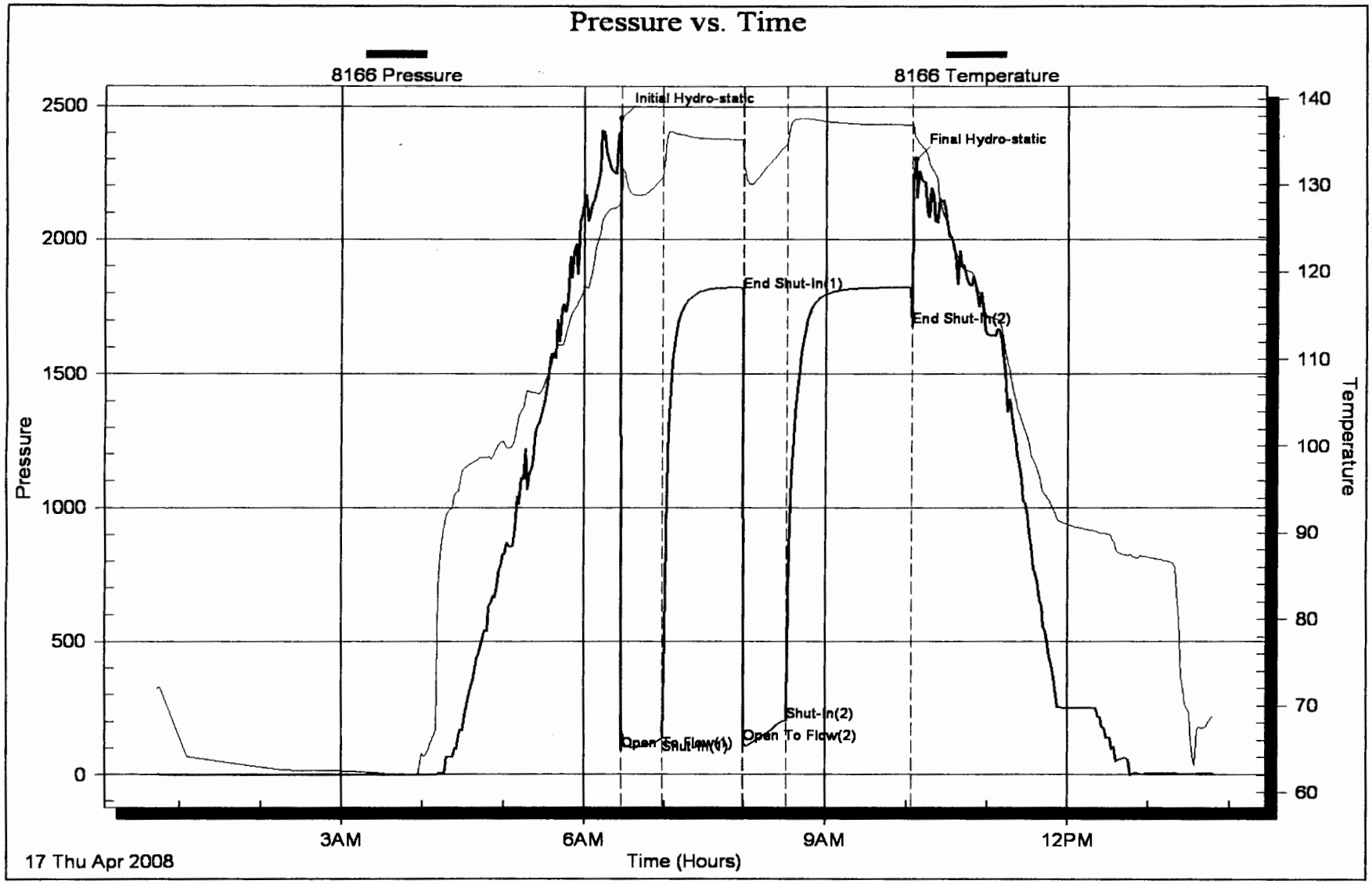
Test Start: 2008.04.17 @ 00:43:28

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	13.00	43.47
1	20	0.25	13.00	43.47
1	25	0.25	15.00	46.64
1	30	0.25	17.00	49.81
2	10	0.25	18.00	51.40
2	20	0.25	21.00	56.16


Pressure vs. Time
8166 Pressure
8166 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
140
130
120
110
100
90
80
70
60
3AM
6AM
9AM
12PM
17 Thu Apr 2008
Time (Hours)