TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

21-30-9-Kingman-Ks

Hogg # 1-21

Start Date: 2004.06.16 @ 00:15:50

End Date: 2004.06.16 @ 07:44:50

Job Ticket #: 19298 DST #: 1

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 Ks 67846

ATTN: Cecil O'Brate

Hogg # 1-21

21-30-9-Kingman-Ks

Job Ticket: 19298 **DST#: 1**

Test Start: 2004.06.16 @ 00:15:50

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:35:50
Time Test Ended: 07:44:50

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Interval: 4275.00 ft (KB) To 4315.00 ft (KB) (TVD)
Total Depth: 4315.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

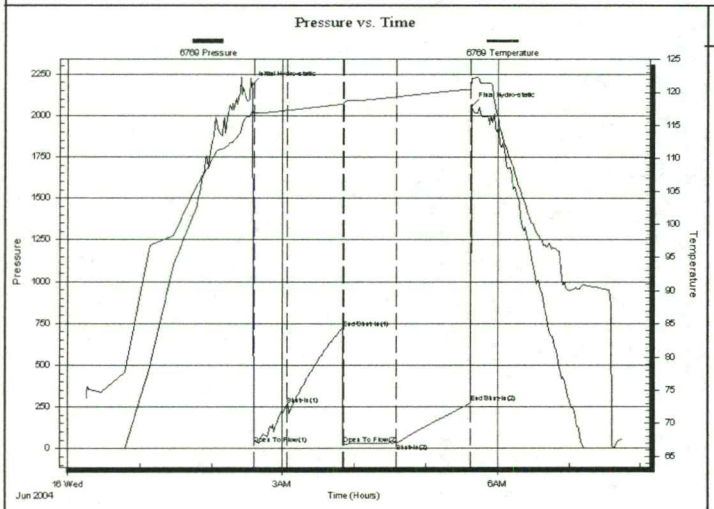
Reference Elevations: 1655.00 ft (KB)
1647.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6769 **Inside**

Press@RunDepth: 33.04 psig @ 4276.00 ft (KB)
Start Date: 2004.06.16 End Date: 2004.06.16
Start Time: 00:15:51 End Time: 07:44:50

Capacity: 7000.00 psig
Last Calib.: 2004.06.16
Time On Btm: 2004.06.16 @ 02:33:50
Time Off Btm: 2004.06.16 @ 05:37:50

TEST COMMENT: IF-Strong B-B in 1.5 min
FF-Strong B-B in 1.5 min
Times-30-45-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.03	117.02	Initial Hydro-static
2	27.49	116.77	Open To Flow (1)
30	264.66	117.26	Shut-In(1)
77	721.62	118.20	End Shut-In(1)
78	24.33	118.53	Open To Flow (2)
121	33.04	119.29	Shut-In(2)
183	272.29	120.45	End Shut-In(2)
184	2057.78	122.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	DM	0.63
0.00	945 GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

Hogg # 1-21

21-30-9-Kingman-Ks

Job Ticket: 19298 **DST#: 1**

Test Start: 2004.06.16 @ 00:15:50

Tool Information

Drill Pipe:	Length:	4254.00 ft	Diameter:	3.80 inches	Volume:	59.67 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	59.67 bbl	

Drill Pipe Above KB:	8.00 ft
Depth to Top Packer:	4275.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	40.00 ft
Tool Length:	69.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2800.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		65000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	62000.00 lb
	Final	62000.00 lb

Tool Comments:
Plugging on IF

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4247.00		
Shut In Tool	5.00			4252.00		
Hydraulic tool	5.00			4257.00		
Jars	5.00			4262.00		
Safety Joint	3.00			4265.00		
Packer	5.00			4270.00	29.00	Bottom Of Top Packer
Packer	5.00			4275.00		
Stubb	1.00			4276.00		
Recorder	0.00	6769	Inside	4276.00		
Perforations	36.00			4312.00		
Recorder	0.00	13254	Outside	4312.00		
Bullnose	3.00			4315.00	40.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

Hogg # 1-21

21-30-9-Kingman-Ks

Job Ticket: 19298 **DST#: 1**

Test Start: 2004.06.16 @ 00:15:50

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:	11.17 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

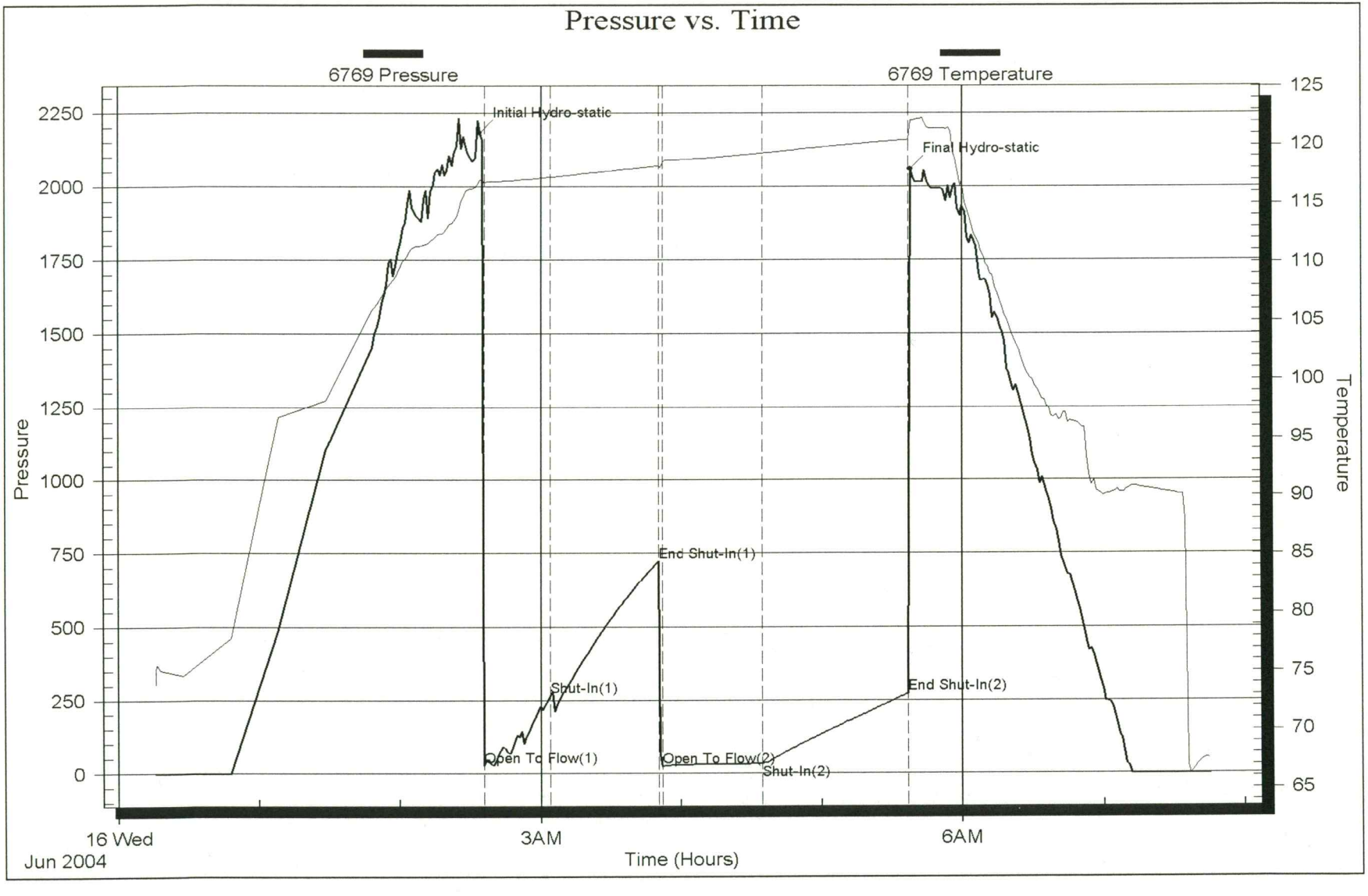
Length ft	Description	Volume bbl
45.00	DM	0.631
0.00	945 GIP	0.000

Total Length: 45.00 ft Total Volume: 0.631 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6769 Pressure
6769 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
75
70
65
16 Wed
Jun 2004
3AM
6AM
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

21-30-9-Kingman-Ks

Hogg # 1-21

Start Date: 2004.06.16 @ 14:20:00
End Date: 2004.06.16 @ 22:37:30
Job Ticket #: 19299 DST #: 2

Trilobite Testing, Inc
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ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

American Warrior Inc

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

Hogg # 1-21

21-30-9-Kingman-Ks

Job Ticket: 19299 **DST#: 2**

Test Start: 2004.06.16 @ 14:20:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:23:30
Time Test Ended: 22:37:30

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Interval: 4315.00 ft (KB) To 4336.00 ft (KB) (TVD)
Total Depth: 4336.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

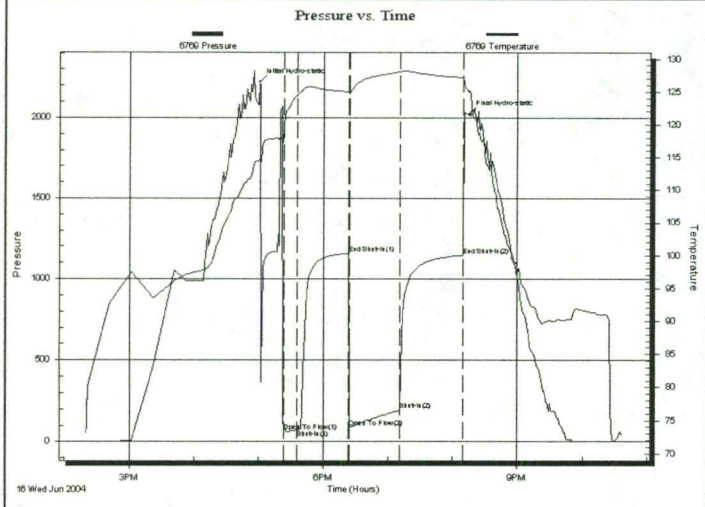
Reference Elevations: 1655.00 ft (KB)
1647.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6769 **Inside**

Press@RunDepth: 193.48 psig @ 4316.00 ft (KB)
Start Date: 2004.06.16 End Date: 2004.06.16
Start Time: 14:20:01 End Time: 22:37:30

Capacity: 7000.00 psig
Last Calib.: 2004.06.16
Time On Btm: 2004.06.16 @ 17:01:00
Time Off Btm: 2004.06.16 @ 20:15:00

TEST COMMENT: IF-Strong surging blow - bled off blow - no blow - flushed tool - strong blow B-B in 45 sec
ISI 1" blow back
FF-Strong B-B in 45 sec - GTS in 40 min - TSTM
FSI-Strong B-B in 7 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.45	114.76	Initial Hydro-static
23	62.16	119.90	Open To Flow (1)
35	71.07	124.42	Shut-In(1)
83	1157.07	125.00	End Shut-In(1)
84	85.55	124.62	Open To Flow (2)
130	193.48	128.02	Shut-In(2)
189	1146.04	127.18	End Shut-In(2)
194	2020.55	125.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	Wtr	3.48
60.00	Sltly OCM 2%o 98%m	0.84
140.00	Gsy Mud	1.96

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

Hogg # 1-21

21-30-9-Kingman-Ks

Job Ticket: 19299 **DST#: 2**

Test Start: 2004.06.16 @ 14:20:00

Tool Information

Drill Pipe:	Length:	4317.00 ft	Diameter:	3.80 inches	Volume:	60.56 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	60.56 bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	4315.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	21.00 ft
Tool Length:	50.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2300.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	65000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	62000.00 lb
Final	63000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4287.00		
Shut In Tool	5.00			4292.00		
Hydraulic tool	5.00			4297.00		
Jars	5.00			4302.00		
Safety Joint	3.00			4305.00		
Packer	5.00			4310.00	29.00	Bottom Of Top Packer
Packer	5.00			4315.00		
Stubb	1.00			4316.00		
Recorder	0.00	6769	Inside	4316.00		
Perforations	17.00			4333.00		
Recorder	0.00	13254	Outside	4333.00		
Bullnose	3.00			4336.00	21.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

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FLUID SUMMARY

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ATTN: Cecil O'Brate

Hogg # 1-21

21-30-9-Kingman-Ks

Job Ticket: 19299 **DST#: 2**

Test Start: 2004.06.16 @ 14:20:00

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:	11.17 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

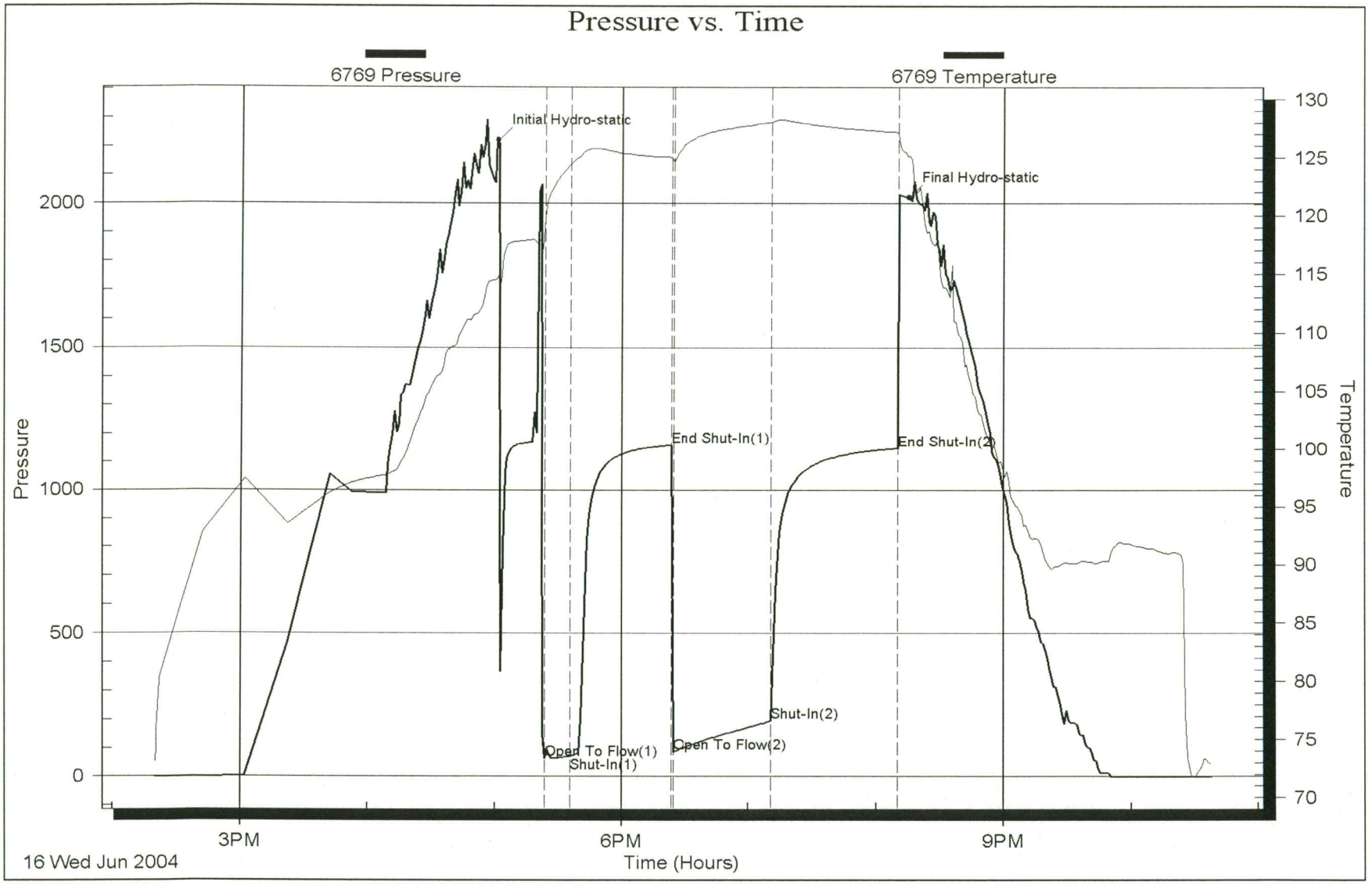
Length ft	Description	Volume bbl
248.00	Wtr	3.479
60.00	Sltly OCM 2%o 98%m	0.842
140.00	Gsy Mud	1.964

Total Length: 448.00 ft Total Volume: 6.285 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6769 Pressure
6769 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
2000
1500
1000
500
0
130
125
120
115
110
105
100
95
90
85
80
75
70
3PM
6PM
9PM
16 Wed Jun 2004
Time (Hours)