

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O.Box 399
Garden City KS 67846

ATTN: Al Downing

16-30s-9w Kingman Ks

Swingle #1-16

Start Date: 2004.07.01 @ 15:19:14

End Date: 2004.07.01 @ 22:40:29

Job Ticket #: 19162 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

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P.O.Box 399
Garden City KS 67846

ATTN: Al Dow ning

Swingle #1-16

16-30s-9w Kingman Ks

Job Ticket: 19162 **DST#: 1**

Test Start: 2004.07.01 @ 15:19:14

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:35:14
Time Test Ended: 22:40:29

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23

Interval: 4264.00 ft (KB) To 4305.00 ft (KB) (TVD)
Total Depth: 4305.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

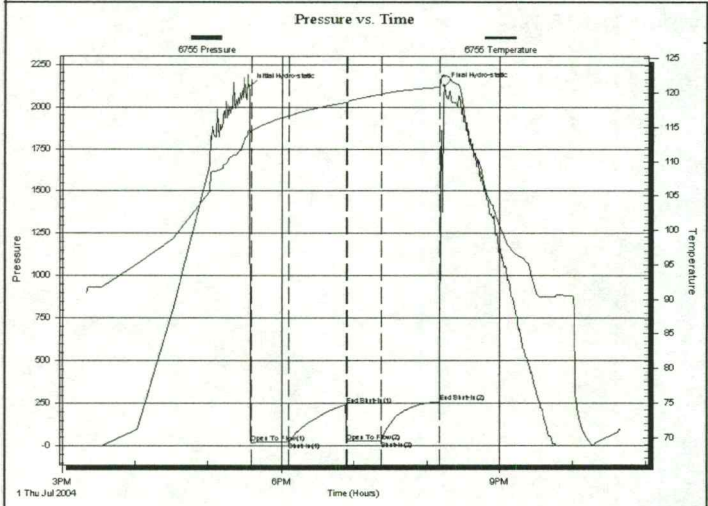
Reference Elevations: 1675.00 ft (KB)
1667.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6755 **Inside**

Press@RunDepth: 31.31 psig @ 4265.00 ft (KB)
Start Date: 2004.07.01 End Date: 2004.07.01
Start Time: 15:19:19 End Time: 22:40:28

Capacity: 7000.00 psig
Last Calib.: 2004.07.01
Time On Btm: 2004.07.01 @ 17:33:29
Time Off Btm: 2004.07.01 @ 20:13:59

TEST COMMENT: IF:Fair to strong blow . B.O.B. in 22 mins.
ISI:Weak blow . 1 - 3".
FF:Strong blow . B.O.B. in 30 secs.
FSI:Weak blow . 1 - 4".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.52	114.64	Initial Hydro-static
2	21.34	114.38	Open To Flow (1)
33	25.89	116.70	Shut-In(1)
80	243.01	118.64	End Shut-In(1)
81	26.46	118.56	Open To Flow (2)
109	31.31	119.84	Shut-In(2)
157	259.51	120.87	End Shut-In(2)
161	2124.24	122.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drlg.mud	0.56
0.00	840 ft. of GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

P.O.Box 399
Garden City KS 67846

ATTN: Al Dow ning

Swingle #1-16

16-30s-9w Kingman Ks

Job Ticket: 19162 **DST#: 1**

Test Start: 2004.07.01 @ 15:19:14

Tool Information

Drill Pipe:	Length:	4258.00 ft	Diameter:	3.80 inches	Volume:	59.73 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:	59.73 bbl	

Drill Pipe Above KB:	21.00 ft
Depth to Top Packer:	4264.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	41.00 ft
Tool Length:	68.00 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:		84000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	53000.00 lb
	Final	53000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4238.00		
Shut In Tool	5.00			4243.00		
Hydraulic tool	5.00			4248.00		
Jars	5.00			4253.00		
Safety Joint	2.00			4255.00		
Packer	4.00			4259.00	27.00	Bottom Of Top Packer
Packer	5.00			4264.00		
Stubb	1.00			4265.00		
Recorder	0.00	6755	Inside	4265.00		
Perforations	4.00			4269.00		
Change Over Sub	1.00			4270.00		
Blank Spacing	29.00			4299.00		
Change Over Sub	1.00			4300.00		
Recorder	0.00	13222	Outside	4300.00		
Bullnose	5.00			4305.00	41.00	Bottom Packers & Anchor
Total Tool Length:	**68.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

P.O.Box 399
Garden City KS 67846

ATTN: Al Dow ning

Swingle #1-16

16-30s-9w Kingman Ks

Job Ticket: 19162 **DST#: 1**

Test Start: 2004.07.01 @ 15:19:14

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:	9000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	17.97 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

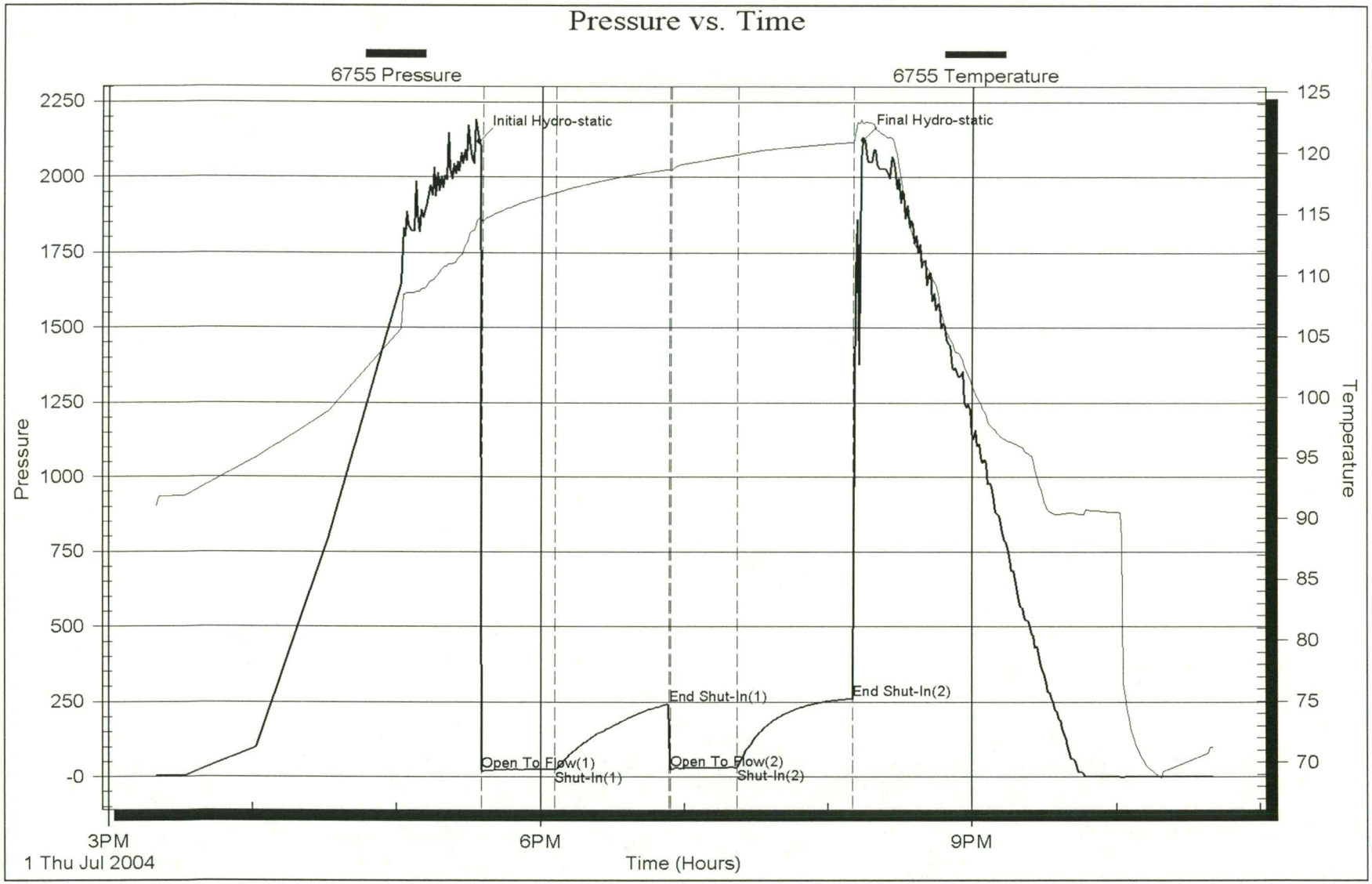
Length ft	Description	Volume bbl
40.00	Drlg.mud	0.561
0.00	840 ft. of GIP	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6755 Pressure
6755 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
125
120
115
110
105
100
95
90
85
80
75
70
3PM
1 Thu Jul 2004
6PM
9PM
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O.Box 399
Garden City KS 67846

ATTN: Al Downing

16-30s-9w Kingman Ks

Swingle #1-16

Start Date: 2004.07.02 @ 06:24:48

End Date: 2004.07.02 @ 14:15:18

Job Ticket #: 19163 DST #: 2

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American Warrior Inc.

P.O.Box 399
Garden City KS 67846

ATTN: Al Dow ning

Swingle #1-16

16-30s-9w Kingman Ks

Job Ticket: 19163 **DST#: 2**

Test Start: 2004.07.02 @ 06:24:48

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:49:18
Time Test Ended: 14:15:18

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23

Interval: 4305.00 ft (KB) To 4320.00 ft (KB) (TVD)
Total Depth: 4320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

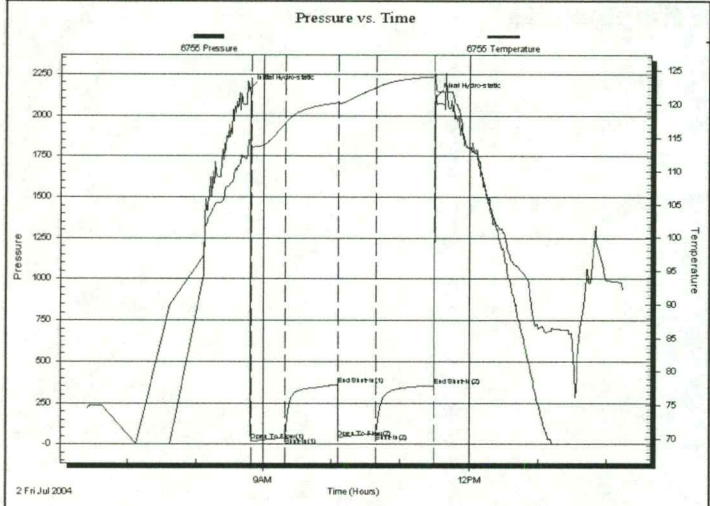
Reference Elevations: 1675.00 ft (KB)
1667.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6755 **Inside**

Press@RunDepth: 64.27 psig @ 4306.00 ft (KB)
Start Date: 2004.07.02 End Date: 2004.07.02
Start Time: 06:24:53 End Time: 14:15:17

Capacity: 7000.00 psig
Last Calib.: 2004.07.02
Time On Btm: 2004.07.02 @ 08:47:18
Time Off Btm: 2004.07.02 @ 11:31:18

TEST COMMENT: IF:Strong blow . B.O.B. in 1 min.
ISI:Weak blow . 1/2 - 3/4".
FF:Strong blow . B.O.B. in 50 secs.
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.24	114.73	Initial Hydro-static
2	19.15	113.91	Open To Flow (1)
33	40.09	117.22	Shut-In(1)
78	359.28	120.29	End Shut-In(1)
79	39.30	120.16	Open To Flow (2)
112	64.27	122.54	Shut-In(2)
162	355.52	124.13	End Shut-In(2)
164	2115.73	122.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW w ith a few oil specs 6%m 94%w	1.26
0.00	Rw .06 ohms @ 81 deg.F	0.00
0.00	2200 ft. of GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

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ATTN: Al Dow ning

Swingle #1-16

16-30s-9w Kingman Ks

Job Ticket: 19163 **DST#: 2**

Test Start: 2004.07.02 @ 06:24:48

Tool Information

Drill Pipe:	Length:	4286.00 ft	Diameter:	3.80 inches	Volume:	60.12 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:	60.12 bbl	

Drill Pipe Above KB:	8.00 ft
Depth to Top Packer:	4305.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	15.00 ft
Tool Length:	42.00 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:	74000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	53000.00 lb
Final	54000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4279.00		
Shut In Tool	5.00			4284.00		
Hydraulic tool	5.00			4289.00		
Jars	5.00			4294.00		
Safety Joint	2.00			4296.00		
Packer	4.00			4300.00	27.00	Bottom Of Top Packer
Packer	5.00			4305.00		
Stubb	1.00			4306.00		
Recorder	0.00	6755	Inside	4306.00		
Perforations	9.00			4315.00		
Recorder	0.00	13222	Outside	4315.00		
Bullnose	5.00			4320.00	15.00	Bottom Packers & Anchor
Total Tool Length:	**42.00**					

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FLUID SUMMARY

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16-30s-9w Kingman Ks

Job Ticket: 19163 **DST#: 2**

Test Start: 2004.07.02 @ 06:24:48

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:	120000 ppm
Viscosity:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	18.38 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

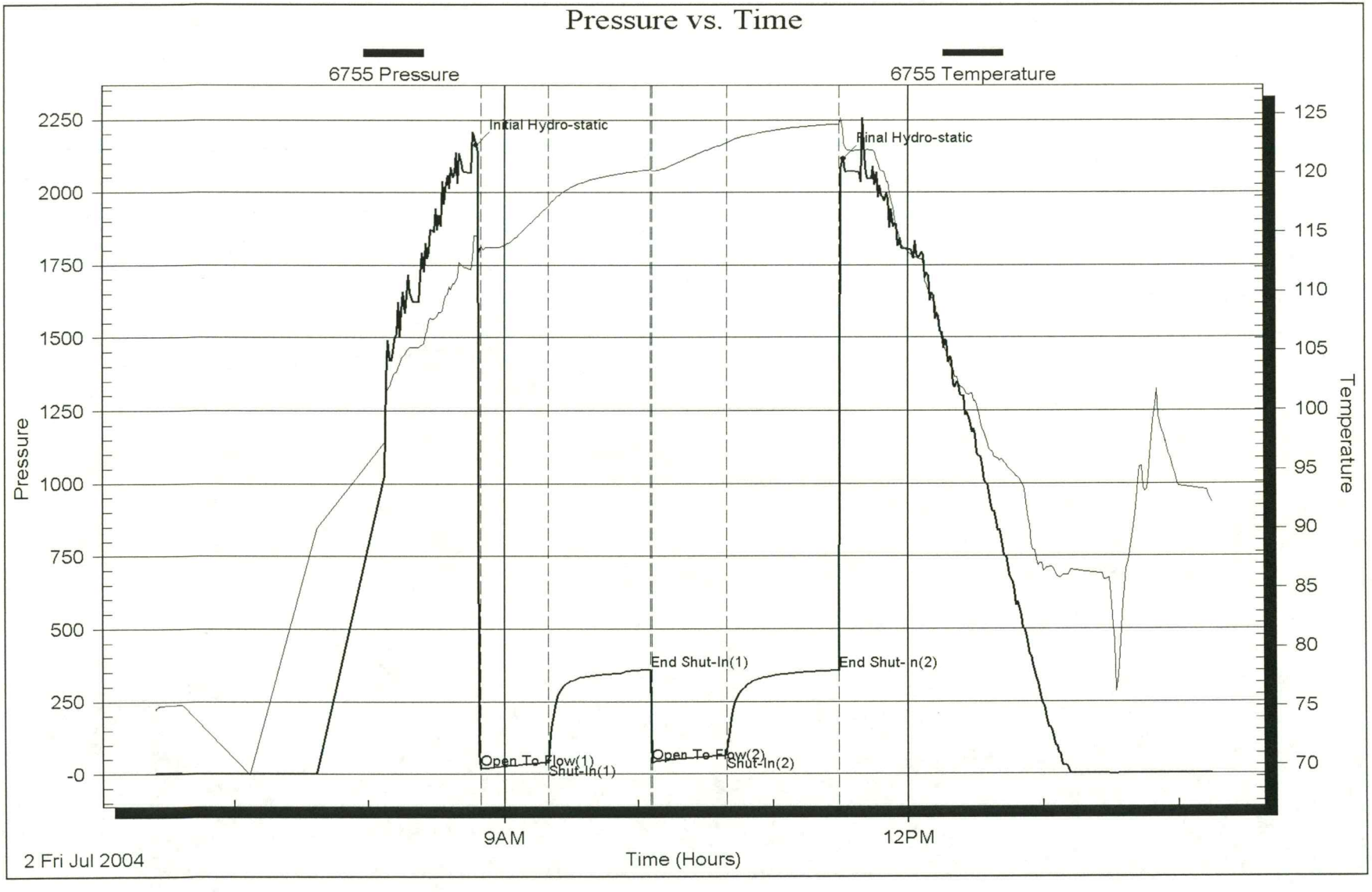
Length ft	Description	Volume bbl
90.00	MW w ith a few oil specs 6%m 94%w	1.262
0.00	Rw .06 ohms @ 81 deg.F	0.000
0.00	2200 ft. of GIP	0.000

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6755 Pressure
6755 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut- n(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
125
120
115
110
105
100
95
90
85
80
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9AM
12PM
2 Fri Jul 2004
Time (Hours)