

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73102

ATTN: Ed Greives

13-34-29

7U Ranch #1-13

Start Date: 2004.05.22 @ 07:30:39

End Date: 2004.05.22 @ 18:05:09

Job Ticket #: 18306 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

Raydon Exploration Inc

9400 N Broadway Ste 400 Oklahoma City OK 73102

ATTN: Ed Greives

7U Ranch #1-13

13-34-29

Job Ticket: 18306 **DST#: 1**

Test Start: 2004.05.22 @ 07:30:39

GENERAL INFORMATION:

Formation: **Morrow sdst**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:30:09
Time Test Ended: 18:05:09

Test Type: Conventional Bottom Hole
Tester: Blake Wallace
Unit No: 30

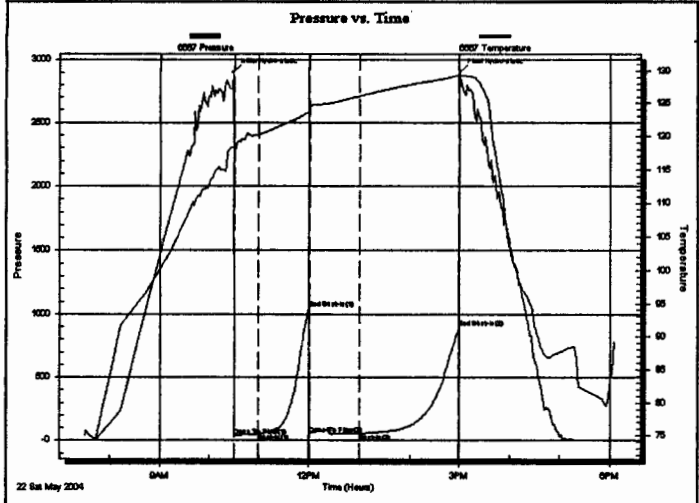
Interval: 5783.00 ft (KB) To 5795.00 ft (KB) (TVD)
Total Depth: 5795.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2446.00 ft (KB)
2434.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6667 **Inside**
Press@RunDepth: 57.46 psig @ 5785.00 ft (KB)
Start Date: 2004.05.22 End Date: 2004.05.22
Start Time: 07:30:40 End Time: 18:05:09

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.05.22 @ 10:28:39
Time Off Btm: 2004.05.22 @ 15:01:09

TEST COMMENT: IF-weak blow built to 3/4" after 25 min died back to surface blow
ISI-no blow back
FF-weak surface blow for 5 minthen died off
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2903.21	118.25	Initial Hydro-static
2	34.91	117.83	Open To Flow (1)
30	53.87	120.22	Shut-In(1)
91	1042.70	123.61	End Shut-In(1)
92	51.45	123.98	Open To Flow (2)
152	57.46	126.07	Shut-In(2)
271	894.42	129.27	End Shut-In(2)
273	2906.07	129.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	35% W 65% M	0.30

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

9400 N Broadway Ste 400 Oklahoma City OK 73102

ATTN: Ed Greives

7U Ranch #1-13

13-34-29

Job Ticket: 18306 **DST#: 1**

Test Start: 2004.05.22 @ 07:30:39

Tool Information

Drill Pipe:	Length:	5488.00 ft	Diameter:	3.80 inches	Volume:	76.98 bbl	Tool Weight:		1800.00 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:	295.00 ft	Diameter:	2.25 inches	Volume:	1.45 bbl	Weight to Pull Loose:		110000.0 lb
					Total Volume:	78.43 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight:	Initial	78000.00 lb
Depth to Top Packer:		5783.00 ft						Final	78000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		12.00 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	
Shut In Tool	5.00			5761.00		
Hydraulic tool	5.00			5766.00		
Jars	5.00			5771.00		
Safety Joint	3.00			5774.00		
Packer	5.00			5779.00	27.00	Bottom Of Top Packer
Packer	4.00			5783.00		
Stubb	1.00			5784.00		
Perforations	1.00			5785.00		
Recorder	0.00	6667	Inside	5785.00		
Perforations	7.00			5792.00		
Recorder	0.00	11019		5792.00		
Bullnose	3.00			5795.00	12.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

9400 N Broadway Ste 400 Oklahoma City OK 73102

ATTN: Ed Greives

7U Ranch #1-13

13-34-29

Job Ticket: 18306 **DST#: 1**

Test Start: 2004.05.22 @ 07:30:39

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:	25000 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

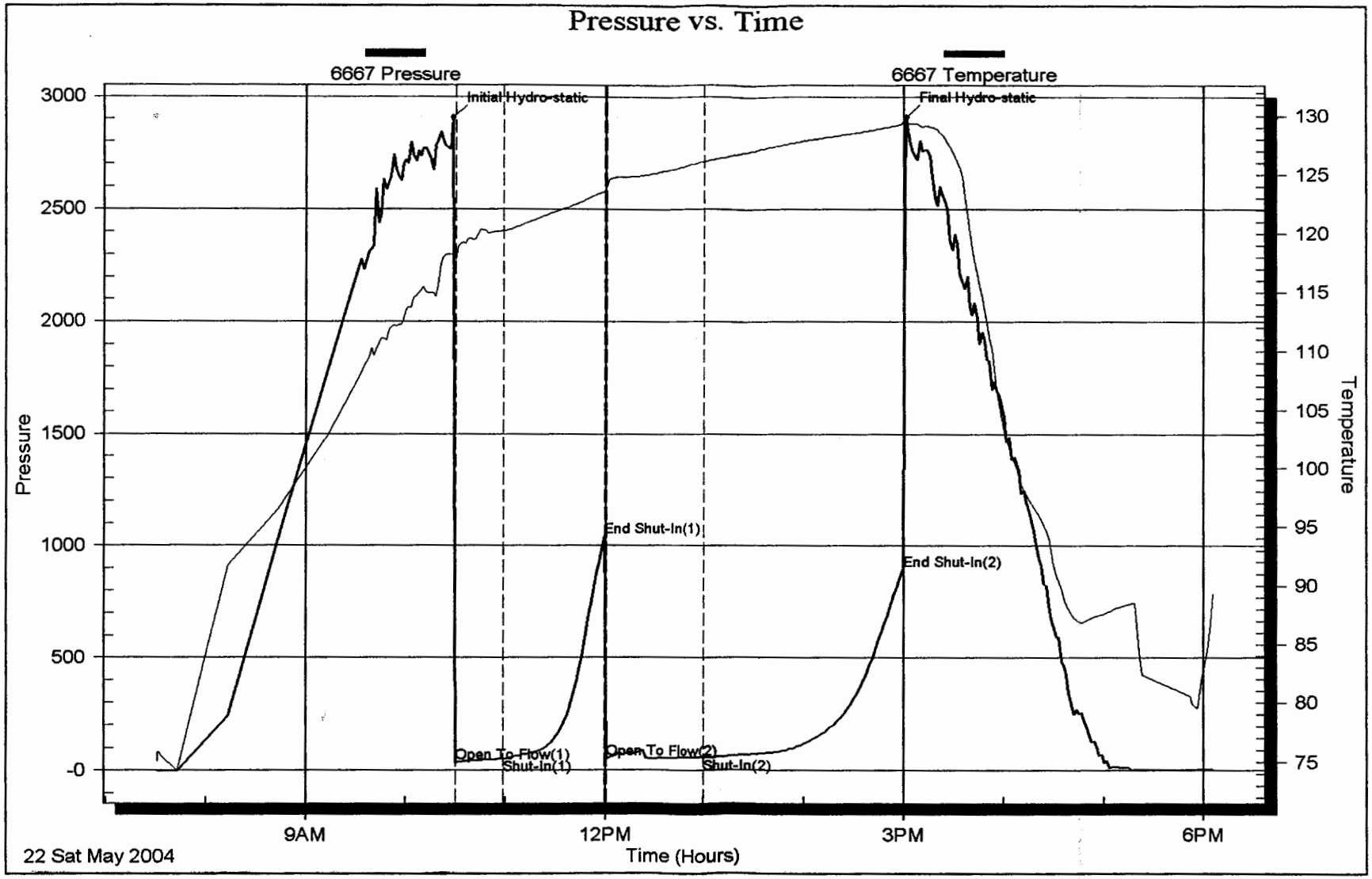
Length ft	Description	Volume bbl
62.00	35% W 65% M	0.305

Total Length: 62.00 ft Total Volume: 0.305 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .184 @ 101 deg chlorides= 25000


Pressure vs. Time
6667 Pressure
6667 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
3000
2500
2000
1500
1000
500
-0
130
125
120
115
110
105
100
95
90
85
80
75
9AM
12PM
3PM
6PM
Time (Hours)
22 Sat May 2004



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Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK 73102

ATTN: Ed Greives

13-34-29

7U Ranch #1-13

Start Date: 2004.05.23 @ 16:30:38

End Date: 2004.05.24 @ 02:48:38

Job Ticket #: 18307 DST #: 2

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DRILL STEM TEST REPORT

Raydon Exploration Inc

9400 N Broadway Ste 400 Oklahoma City OK 73102

ATTN: Ed Greives

7U Ranch #1-13

13-34-29

Job Ticket: 18307 **DST#: 2**

Test Start: 2004.05.23 @ 16:30:38

GENERAL INFORMATION:

Formation: **Upper Chester lms**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:26:38
Time Test Ended: 02:48:38

Test Type: Conventional Bottom Hole
Tester: Blake Wallace
Unit No: 30

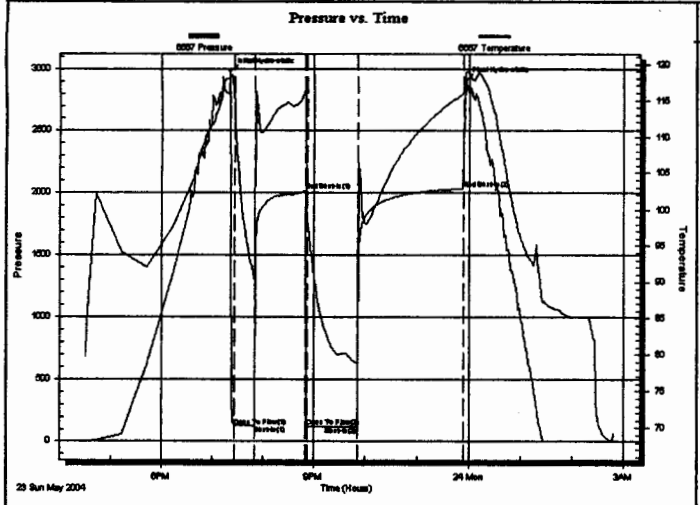
Interval: 5820.00 ft (KB) To 5923.00 ft (KB) (TVD)
Total Depth: 5923.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2446.00 ft (KB)
2434.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6667 **Inside**
Press@RunDepth: 116.45 psig @ 5822.00 ft (KB)
Start Date: 2004.05.23 End Date: 2004.05.24
Start Time: 16:30:39 End Time: 02:48:38

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.05.23 @ 19:21:08
Time Off Btm: 2004.05.23 @ 23:55:38

TEST COMMENT: IF-strong blow BOB 5 sec GTS 4 min
ISI-no blow back
FF-strong blow BOB as soon as open
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2974.81	117.98	Initial Hydro-static
6	121.03	111.50	Open To Flow (1)
29	126.65	90.24	Shut-In(1)
89	2016.47	116.41	End Shut-In(1)
92	122.37	98.74	Open To Flow (2)
150	116.45	78.76	Shut-In(2)
272	2035.17	115.87	End Shut-In(2)
275	2903.95	118.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	40.00	842.44
Last Gas Rate	0.75	47.00	950.84
Max. Gas Rate	0.75	50.00	997.30

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TOOL DIAGRAM

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7U Ranch #1-13

13-34-29

Job Ticket: 18307 **DST#: 2**

Test Start: 2004.05.23 @ 16:30:38

Tool Information

Drill Pipe:	Length:	5520.00 ft	Diameter:	3.80 inches	Volume:	77.43 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	295.00 ft	Diameter:	2.25 inches	Volume:	1.45 bbl	
					Total Volume:	78.88 bbl	

Drill Pipe Above KB:	22.00 ft
Depth to Top Packer:	5820.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	103.00 ft
Tool Length:	130.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1800.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	90000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	80000.00 lb
Final	81000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5798.00		
Hydraulic tool	5.00			5803.00		
Jars	5.00			5808.00		
Safety Joint	3.00			5811.00		
Packer	5.00			5816.00	27.00	Bottom Of Top Packer
Packer	4.00			5820.00		
Stubb	1.00			5821.00		
Perforations	1.00			5822.00		
Recorder	0.00	6667	Inside	5822.00		
Perforations	20.00			5842.00		
Recorder	0.00	11019		5842.00		
Change Over Sub	1.00			5843.00		
Blank Spacing	61.00			5904.00		
Change Over Sub	1.00			5905.00		
Perforations	15.00			5920.00		
Bullnose	3.00			5923.00	103.00	Bottom Packers & Anchor
Total Tool Length:	**130.00**					

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Job Ticket: 18307 **DST#: 2**

Test Start: 2004.05.23 @ 16:30:38

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00		0.000

Total Length: ft Total Volume: bbl

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

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

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7U Ranch #1-13

13-34-29

Job Ticket: 18307 **DST#: 2**

Test Start: 2004.05.23 @ 16:30:38

Gas Rates Information

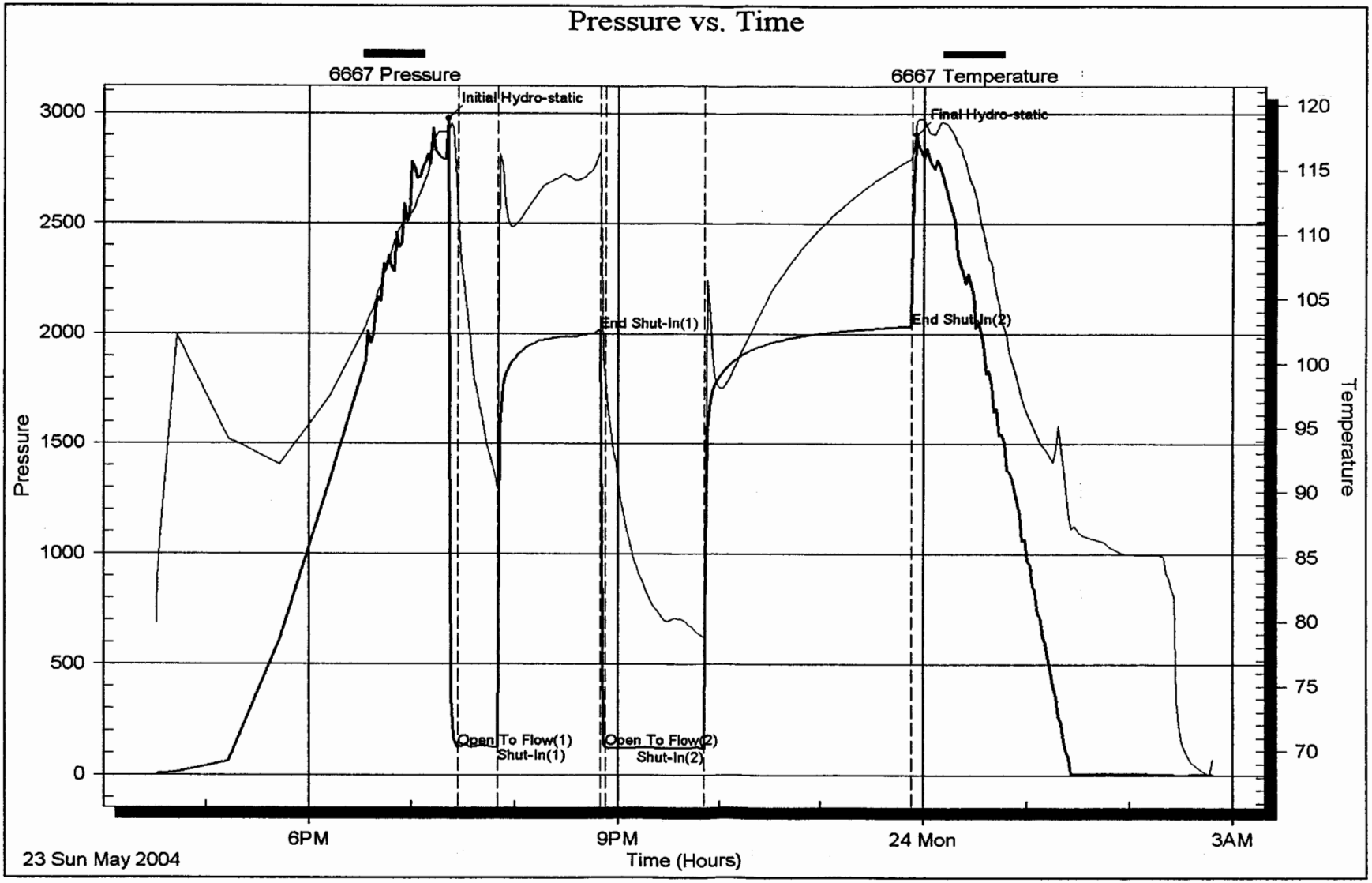
Temperature: 68 deg C

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	10	0.75	40.00	842.44
1	10	0.75	40.00	842.44
1	20	0.75	49.00	981.81
2	10	0.75	47.00	950.84
2	20	0.75	50.00	997.30
2	30	0.75	50.00	997.30
2	40	0.75	50.00	997.30
2	50	0.75	49.00	981.81
2	60	0.75	47.00	950.84


Pressure vs. Time
6667 Pressure
6667 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
3000
2500
2000
1500
1000
500
0
120
115
110
105
100
95
90
85
80
75
70
6PM
9PM
24 Mon
3AM
23 Sun May 2004
Time (Hours)