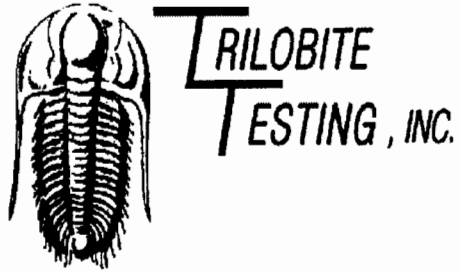


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DRILL STEM TEST REPORT

Prepared For: **Prairie Resources Inc.**

1016 Amanda Pines Drive
Parker Co.80138

ATTN: Robert W.Packard

14-31s-13w

Packard # 3-14

Start Date: 2004.01.04 @ 12:30:19

End Date: 2004.01.04 @ 19:43:39

Job Ticket #: 18499 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prairie Resources Inc.

Packard # 3-14

1016 Amanda Pines Drive
Parker Co.80138

14-31s-13w

Job Ticket: 18499

DST#: 1

ATTN: Robert W.Packard

Test Start: 2004.01.04 @ 12:30:19

GENERAL INFORMATION:

Formation: **Douglas**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 14:34:39

Time Test Ended: 19:43:39

Interval: **3663.00 ft (KB) To 3674.00 ft (KB) (TVD)**

Total Depth: **3674.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Reference Elevations: **1618.00 ft (KB)**

1610.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **170.14 psig @ 3664.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.01.04**

End Date:

2004.01.04

Last Calib.: **2004.01.04**

Start Time: **12:30:21**

End Time:

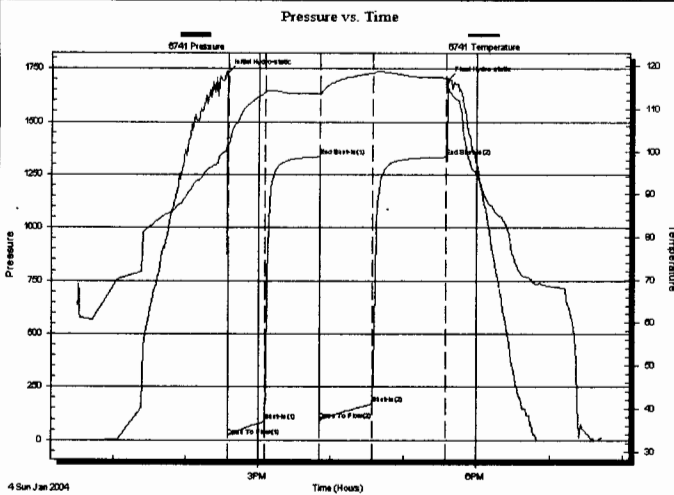
19:43:38

Time On Btm: **2004.01.04 @ 14:34:09**

Time Off Btm: **2004.01.04 @ 17:35:39**

TEST COMMENT: **IF-Strong B.O.B. 8 min.**
FFStrong B.O.B. 8 min.

IS-Weak blow back built 1&1/2" in
FS-Good blow back built 6 1/2" in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.97	101.27	Initial Hydro-static
1	16.53	100.45	Open To Flow (1)
31	87.17	113.81	Shut-In(1)
76	1333.69	113.49	End Shut-In(1)
77	93.61	113.32	Open To Flow (2)
120	170.14	118.31	Shut-In(2)
181	1333.06	117.24	End Shut-In(2)
182	1696.26	117.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
290.00	Salt Water	3.50
70.00	SGOCM-10%G-10%O-80%M	0.98
0.00	310 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prairie Resources Inc.
1016 Amanda Pines Drive
Parker Co.80138
ATTN: Robert W.Packard

Packard # 3-14
14-31s-13w
Job Ticket: 18499 **DST#: 1**
Test Start: 2004.01.04 @ 12:30:19

Tool Information

Drill Pipe:	Length: 3604.00 ft	Diameter: 3.80 inches	Volume: 50.55 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 62.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 50.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3663.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3644.00	
Shut In Tool	5.00			3649.00	
Hydraulic tool	5.00			3654.00	
Packer	4.00			3658.00	20.00 Bottom Of Top Packer
Packer	5.00			3663.00	
Stubb	1.00			3664.00	
Recorder	0.00	6741	Inside	3664.00	
Perforations	7.00			3671.00	
Recorder	0.00	13308	Outside	3671.00	
Bullnose	3.00			3674.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prairie Resources Inc.

Packard # 3-14

1016 Amanda Pines Drive
Parker Co.80138

14-31s-13w

Job Ticket: 18499

DST#: 1

ATTN: Robert W.Packard

Test Start: 2004.01.04 @ 12:30:19

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:	38.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	15.18 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
290.00	Salt Water	3.503
70.00	SGOCM-10%G-10%O-80%M	0.982
0.00	310 gas in pipe	0.000

Total Length: 360.00 ft Total Volume: 4.485 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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Serial #: 6741

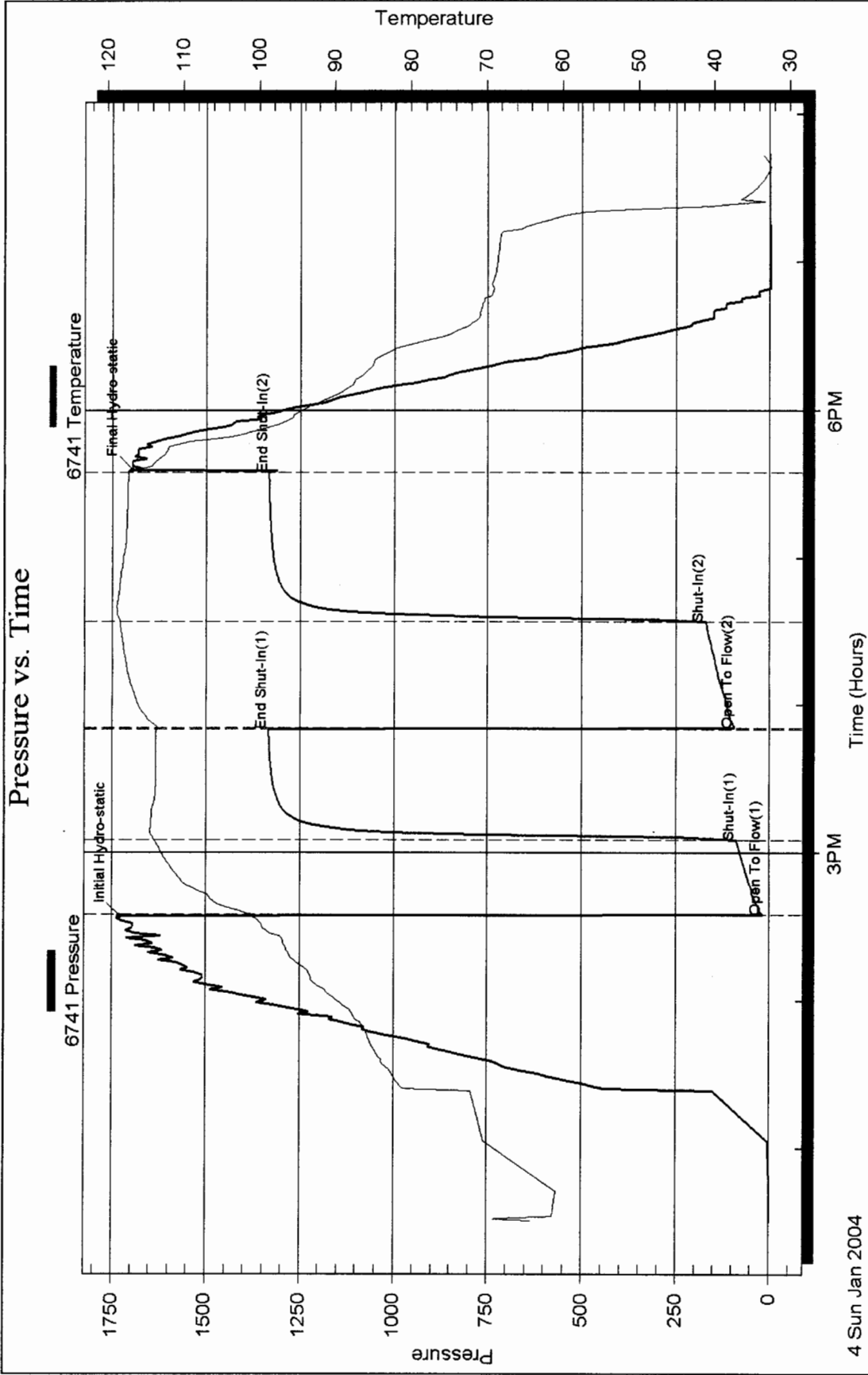
Inside

Prairie Resources Inc.

14--31s--13w

DST Test Number: 1

Pressure vs. Time



4 Sun Jan 2004

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Trilobite Testing, Inc

Ref. No: 18499

Printed: 2004.01.12 @ 14:17:54 Page 5

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DRILL STEM TEST REPORT

Prepared For: **Prairie Resources Inc.**

1016 Amanda Pines Drive
Parker Co.80138

ATTN: Robert W.Packard

14-31s-13w

Packard # 3-14

Start Date: 2004.01.05 @ 12:43:05

End Date: 2004.01.05 @ 23:09:20

Job Ticket #: 18005 . DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prairie Resources Inc.
1016 Amanda Pines Drive
Parker Co.80138
ATTN: Robert W.Packard

Packard # 3-14
14-31s-13w
Job Ticket: 18005 **DST#:2**
Test Start: 2004.01.05 @ 12:43:05

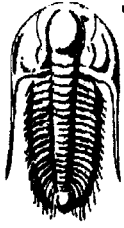
Tool Information

Drill Pipe:	Length: 3857.00 ft	Diameter: 3.80 inches	Volume: 54.10 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 62.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3930.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3911.00	
Shut In Tool	5.00			3916.00	
Hydraulic tool	5.00			3921.00	
Packer	4.00			3925.00	20.00 Bottom Of Top Packer
Packer	5.00			3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	6751	Inside	3931.00	
Perforations	16.00			3947.00	
Recorder	0.00	13630	Outside	3947.00	
Bullnose	3.00			3950.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prairie Resources Inc.

Packard # 3-14

1016 Amanda Pines Drive
Parker Co.80138

14-31s-13w

Job Ticket: 18005

DST#: 2

ATTN: Robert W.Packard

Test Start: 2004.01.05 @ 12:43:05

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 24.46 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	SOCM 93% mud 4% oil 3% gas	0.152
252.00	SMGCO 86% Oil 8% gas 6% mud	3.253
315.00	SMMGCO 76% oil 14% water 6% mud 4% water	4.419
693.00	gassy saltwater 98% water 2% gas	9.721
0.00	2624 feet of gas in pipe	0.000

Total Length: 1291.00 ft Total Volume: 17.545 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Prairie Resources Inc.

Packard # 3-14

1016 Amanda Pines Drive
Parker Co.80138

14-31s-13w

Job Ticket: 18005

DST#: 2

ATTN: Robert W.Packard

Test Start: 2004.01.05 @ 12:43:05

Gas Rates Information

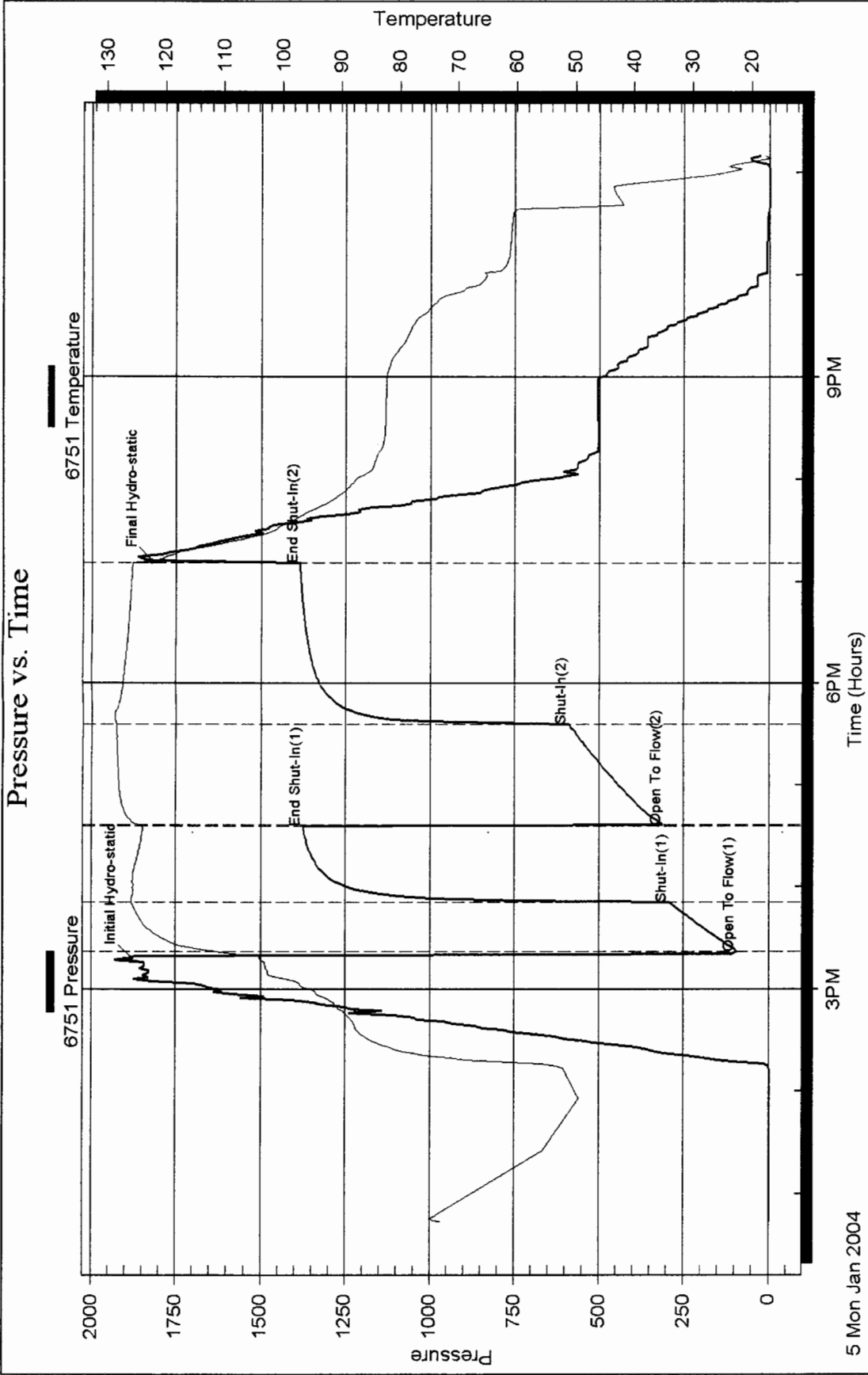
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	25	0.13	1.50	5.95
1	30	0.13	3.50	6.70
2	10	0.13	1.00	5.76
2	20	0.13	2.00	6.14
2	30	0.13	4.50	7.07
2	40	0.13	5.50	7.45
2	50	0.13	7.00	8.01
2	60	0.13	8.00	8.38

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Pressure vs. Time



5 Mon Jan 2004