

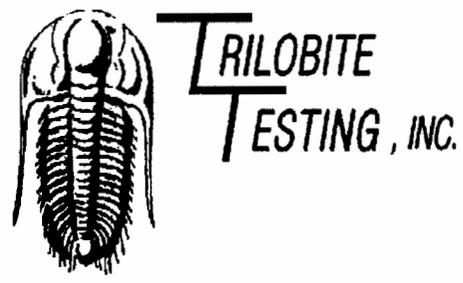
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KANSAS CORPORATION COMMISSION

JUL 11 2003

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Edmiston Oil Co**

125 N Market Ste 1130
Wichita Ks 67202

ORIGINAL

ATTN: Max Lovely

25 29s 9w Kingman

Lubbers B-2

Start Date: 2003.05.10 @ 20:29:58

End Date: 2003.05.11 @ 04:02:13

Job Ticket #: 17835 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Edmiston Oil Co

Lubbers B-2

25 29s 9w Kingman

DST # 1

Swope

2003.05.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Edmiston Oil Co
125 N Market Ste 1130
Wichita Ks 67202

ATTN: Max Lovely

Lubbers B-2
25 29s 9w Kingman
Job Ticket: 17835 DST#: 1
Test Start: 2003.05.10 @ 20:29:58

GENERAL INFORMATION:

Formation: **Swope**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 22:24:58
Time Test Ended: 04:02:13

Interval: **3897.00 ft (KB) To 3921.00 ft (KB) (TVD)**
Total Depth: 3921.00 ft (KB) (TVD)
Hole Diameter: 7.79 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
Tester: Wenrich
Unit No: 24

Reference Elevations: 1662.00 ft (KB)
1655.00 ft (CF)
KB to GR/CF: 7.00 ft

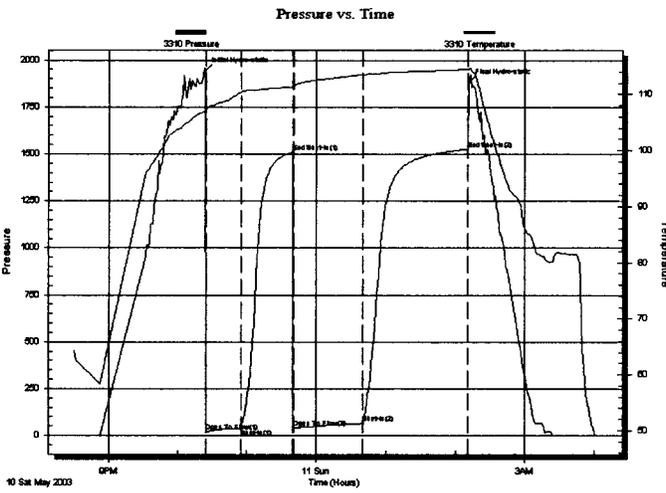
Serial #: 3310

Inside

Press@RunDepth: 65.23 psig @ 3898.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2003.05.10 End Date: 2003.05.11 Last Calib.: 1899.12.30
Start Time: 20:30:03 End Time: 04:02:12 Time On Btrn: 2003.05.10 @ 22:24:13
Time Off Btrn: 2003.05.11 @ 02:11:13

TEST COMMENT: F:Strong blow .BOB in 7 mins.
IS:No blow .
FF:Strong blow .BOB in 30 secs.
FS:

ORIGINAL



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.00	107.10	Initial Hydro-static
1	20.03	107.27	Open To Flow (1)
32	38.81	110.44	Shut-In(1)
76	1511.58	111.31	End Shut-In(1)
77	40.57	111.48	Open To Flow (2)
136	65.23	113.53	Shut-In(2)
227	1527.04	114.50	End Shut-In(2)
227	1881.18	114.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gow cm 30%g 20%o 20%w 30%m	0.30
80.00	gow cm 5%g 30%o 5%w 60%m	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

ORIGINAL
TOOL DIAGRAM

Edmiston Oil Co
125 N Market Ste 1130
Wichita Ks 67202

ATTN: Max Lovely

Lubbers B-2
25 29s 9w Kingman
Job Ticket: 17835 **DST#: 1**
Test Start: 2003.05.10 @ 20:29:58

Tool Information

Drill Pipe:	Length: 3815.00 ft	Diameter: 3.80 inches	Volume: 53.51 bbl	Tool Weight: 2100.00 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 53.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3897.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	24.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3871.00	
S.I. Tool	5.00			3876.00	
HMV	5.00			3881.00	
Jars	5.00			3886.00	
Safety Joint	2.00			3888.00	
Packer	4.00			3892.00	27.00 Bottom Of Top Packer
Packer	5.00			3897.00	
Stubb	1.00			3898.00	
Recorder	0.00	3310	Inside	3898.00	
Perforations	21.00			3919.00	
Recorder	0.00	10242	Outside	3919.00	
Bullnose	2.00			3921.00	24.00 Bottom Packers & Anchor

Total Tool Length: 51.00



17835
TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Edmiston Oil Co

Lubbers B-2

125 N Market Ste 1130
 Wichita Ks 67202

25 29s 9w Kingman

Job Ticket: 17835

DST#: 1

ATTN: Max Lovely

Test Start: 2003.05.10 @ 20:29:58

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gow cm 30%g 20%o 20%w 30%m	0.295
80.00	gow cm 5%g 30%o 5%w 60%m	1.122

Total Length: 140.00 ft Total Volume: 1.417 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3310

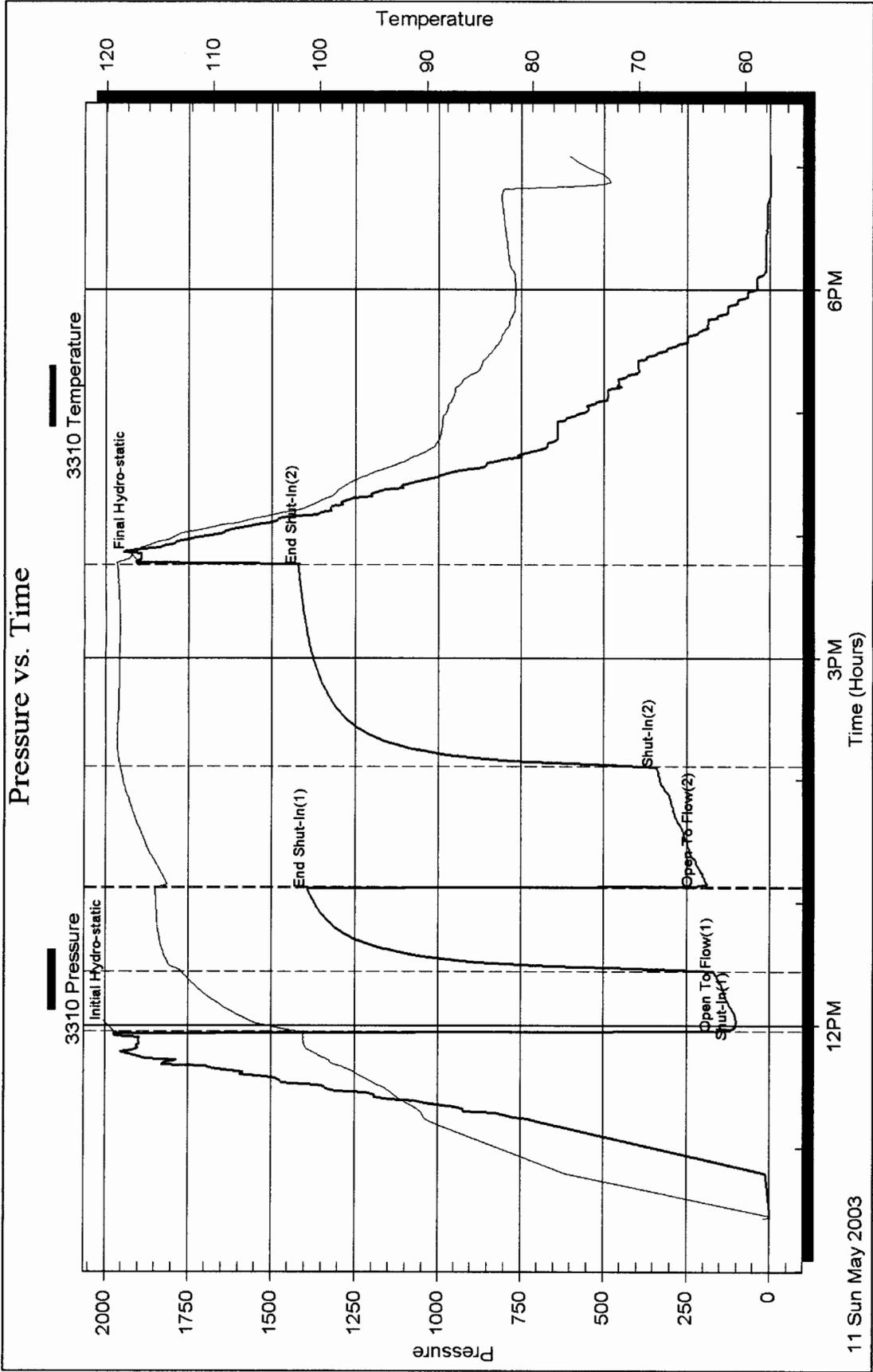
Inside

Edmiston Oil Co

25 29s 9w Kingman

DST Test Number: 1

Pressure vs. Time



11 Sun May 2003

Trilobite Testing, Inc

Ref. No: 17835

Printed: 2003.05.13 @ 09:34:32 Page 5



DRILL STEM TEST REPORT

Prepared For: **Edmiston Oil Co**

125 N Market Ste 1130
Wichita Ks 67202

ATTN: Max Lovely

25 29s 9w Kingman

Lubbers B-2

Start Date: 2003.05.11 @ 10:25:25

End Date: 2003.05.11 @ 19:04:55

Job Ticket #: 17836 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

Edmiston Oil Co
 125 N Market Ste 1130
 Wichita Ks 67202
 ATTN: Max Lovely

Lubbers B-2
25 29s 9w Kingman
 Job Ticket: 17836 **DST#: 2**
 Test Start: 2003.05.11 @ 10:25:25

GENERAL INFORMATION:

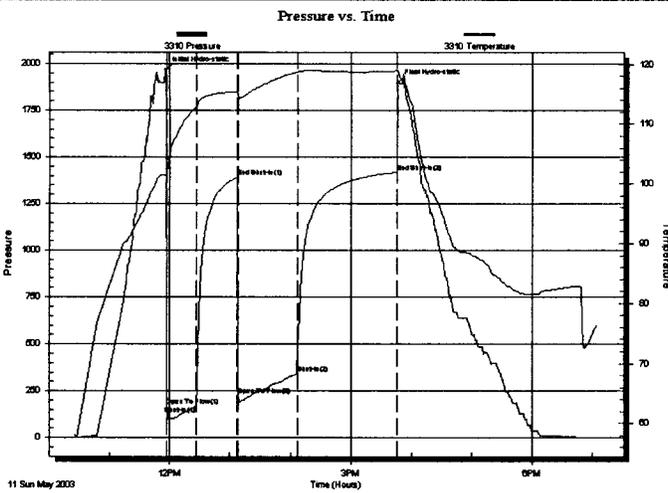
Formation: **Hertha**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:56:55
 Time Test Ended: 19:04:55
 Interval: **3936.00 ft (KB) To 3956.00 ft (KB) (TVD)**
 Total Depth: 3956.00 ft (KB) (TVD)
 Hole Diameter: 7.79 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Wenrich
 Unit No: 24
 Reference Elevations: 1662.00 ft (KB)
 1655.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 3310

Inside

Press@RunDepth: 342.69 psig @ 3937.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.05.11 End Date: 2003.05.11 Last Calib.: 1899.12.30
 Start Time: 10:25:30 End Time: 19:04:55 Time On Btrn: 2003.05.11 @ 11:55:55
 Time Off Btrn: 2003.05.11 @ 15:46:25

TEST COMMENT: IF: Strong blow .BOB in 15 secs. GTS in 7 mins. (see gas report)
 IS: Strong blow .BOB in 2 mins.
 FF: Strong blow .BOB in 30 secs. (see gas report)
 FS: Strong blow .BOB in 30 secs.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.05	101.43	Initial Hydro-static
1	169.21	102.01	Open To Flow (1)
31	169.13	112.91	Shut-In(1)
71	1391.87	115.36	End Shut-In(1)
72	223.64	114.95	Open To Flow (2)
131	342.69	118.65	Shut-In(2)
230	1419.53	118.94	End Shut-In(2)
231	1896.40	119.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w	0.30
310.00	ogcm 60%g 20%o 20%m	4.35
900.00	gco 25%g 75%o	12.62

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.00	37.12
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	9.00	37.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Edmiston Oil Co
125 N Market Ste 1130
Wichita Ks 67202

ATTN: Max Lovely

Lubbers B-2
25 29s 9w Kingman
Job Ticket: 17836 **DST#: 2**
Test Start: 2003.05.11 @ 10:25:25

Tool Information

Drill Pipe:	Length: 3861.00 ft	Diameter: 3.80 inches	Volume: 54.16 bbl	Tool Weight: 2100.00 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 54.46 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3936.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3910.00	
S.I. Tool	5.00			3915.00	
HMV	5.00			3920.00	
Jars	5.00			3925.00	
Safety Joint	2.00			3927.00	
Packer	4.00			3931.00	27.00 Bottom Of Top Packer
Packer	5.00			3936.00	
Stubb	1.00			3937.00	
Recorder	0.00	3310	Inside	3937.00	
Perforations	17.00			3954.00	
Recorder	0.00	10242	Outside	3954.00	
Bullnose	2.00			3956.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Edmiston Oil Co

Lubbers B-2

125 N Market Ste 1130
Wichita Ks 67202

25 29s 9w Kingman

Job Ticket: 17836

DST#: 2

ATTN: Max Lovely

Test Start: 2003.05.11 @ 10:25:25

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	w	0.295
310.00	ogcm 60%g 20%o 20%m	4.348
900.00	gco 25%g 75%o	12.625

Total Length: 1270.00 ft Total Volume: 17.268 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #: Wenrich

Laboratory Name: Caraway

Laboratory Location: Liberal, Ks

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Edmiston Oil Co
125 N Market Ste 1130
Wichita Ks 67202

Lubbers B-2
25 29s 9w Kingman

Job Ticket: 17836 DST#: 2
Test Start: 2003.05.11 @ 10:25:25

ATTN: Max Lovely

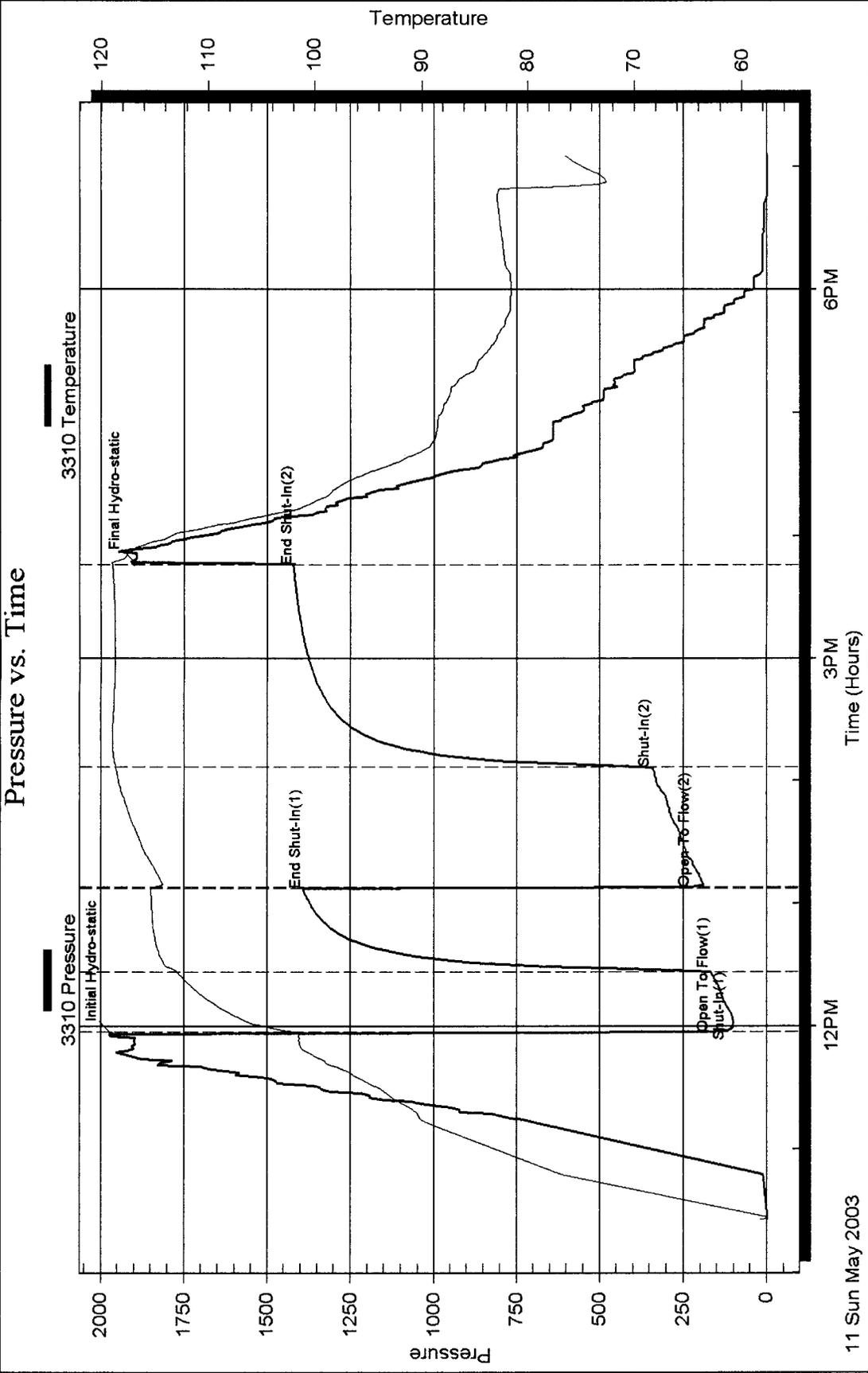
Gas Rates Information

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	10	0.25	9.00	37.12
1	20	0.38	8.00	82.06
1	30	0.25	7.00	33.95
2	10	0.25	3.00	27.60
2	20	0.25	3.00	27.60
2	30	0.25	2.00	26.02
2	40	0.25	2.00	26.02
2	50	0.25	9.00	37.12
2	60	0.25	3.00	27.60

Pressure vs. Time



11 Sun May 2003

12PM

3PM

6PM

Time (Hours)