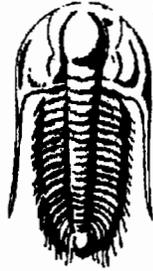


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KCG



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **McCoy Petroleum Corp**

8080 E Central Ste 300  
Wichita KS 67206

ATTN: Roger McCoy

**16 26 19 Edwards KS**

**Wenstrom A # 1-16**

Start Date: 2007.02.20 @ 08:45:15

End Date: 2007.02.20 @ 18:51:45

Job Ticket #: 27566                      DST #: 1

**KCC  
JUN 08 2007  
CONFIDENTIAL**

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

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KANSAS CORPORATION COMMISSION

**JUN 11 2007**

CONSERVATION DIVISION  
WICHITA, KS

Printed: 2007.02.22 @ 11:03:36 Page 1

McCoy Petroleum Corp

Wenstrom A # 1-16

16 26 19 Edwards KS

DST # 1

Miss

2007.02.20



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

McCoy Petroleum Corp

8080 E Central Ste 300  
Wichita KS 67206

ATTN: Roger McCoy

**Wenstrom A # 1-16**

**16 26 19 Edwards KS**

Job Ticket: 27566

**DST#: 1**

Test Start: 2007.02.20 @ 08:45:15

### GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:51:30

Time Test Ended: 18:51:45

Interval: **4722.00 ft (KB) To 4745.00 ft (KB) (TVD)**

Total Depth: 4745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Reference Elevations: 2240.00 ft (KB)

2229.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6741**

**Inside**

Press@RunDepth: 66.03 psig @ 4723.00 ft (KB)

Start Date: 2007.02.20

End Date:

2007.02.20

Capacity: 7000.00 psig

Last Calib.: 2007.02.20

Start Time: 08:45:17

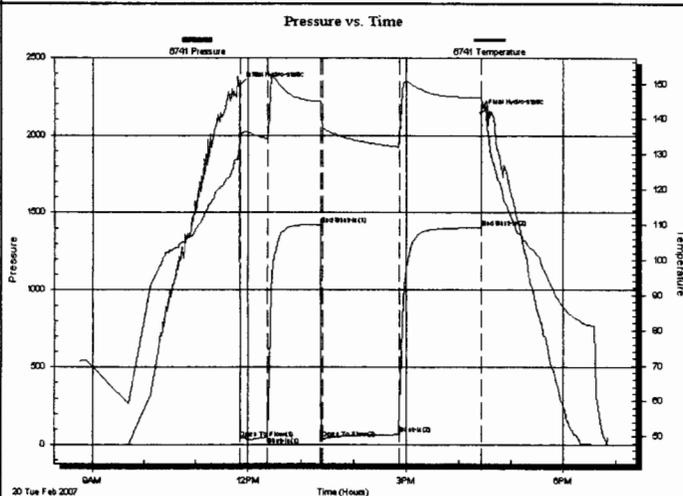
End Time:

18:51:45

Time On Btm: 2007.02.20 @ 11:50:30

Time Off Btm: 2007.02.20 @ 16:25:30

**TEST COMMENT:** IF Strong B-B in 45 sec GTS in 10 min Gauged  
FF Strong B-B in 15 sec Gas sample taken



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.82	131.56	Initial Hydro-static
1	38.64	134.49	Open To Flow (1)
33	50.02	134.34	Shut-In(1)
93	1424.56	144.86	End Shut-In(1)
95	34.84	137.13	Open To Flow (2)
182	66.03	132.04	Shut-In(2)
275	1404.78	146.07	End Shut-In(2)
276	2144.48	146.50	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	DM	0.10

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.60
Last Gas Rate	0.25	35.00	78.37
Max. Gas Rate	0.25	35.00	78.37



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Corp

**Wenstrom A # 1-16**

8080 E Central Ste 300  
Wichita KS 67206

**16 26 19 Edwards KS**

ATTN: Roger McCoy

Job Ticket: 27566

**DST#: 1**

Test Start: 2007.02.20 @ 08:45:15

### Tool Information

Drill Pipe:	Length: 4457.00 ft	Diameter: 3.80 inches	Volume: 62.52 bbl	Tool Weight: 2000.00 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: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 63.74 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4722.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4702.00	
Shut In Tool	5.00			4707.00	
Hydraulic tool	5.00			4712.00	
Packer	5.00			4717.00	21.00 Bottom Of Top Packer
Packer	5.00			4722.00	
Stubb	1.00			4723.00	
Recorder	0.00	6741	Inside	4723.00	
Perforations	19.00			4742.00	
Recorder	0.00	13254	Outside	4742.00	
Bullnose	3.00			4745.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

McCoy Petroleum Corp

**Wenstrom A # 1-16**

8080 E Central Ste 300  
Wichita KS 67206

**16 26 19 Edwards KS**

Job Ticket: 27566

**DST#: 1**

ATTN: Roger McCoy

Test Start: 2007.02.20 @ 08:45:15

**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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	DM	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

McCoy Petroleum Corp

**Wenstrom A # 1-16**

8080 E Central Ste 300  
Wichita KS 67206

**16 26 19 Edwards KS**

ATTN: Roger McCoy

Job Ticket: 27566

**DST#: 1**

Test Start: 2007.02.20 @ 08:45:15

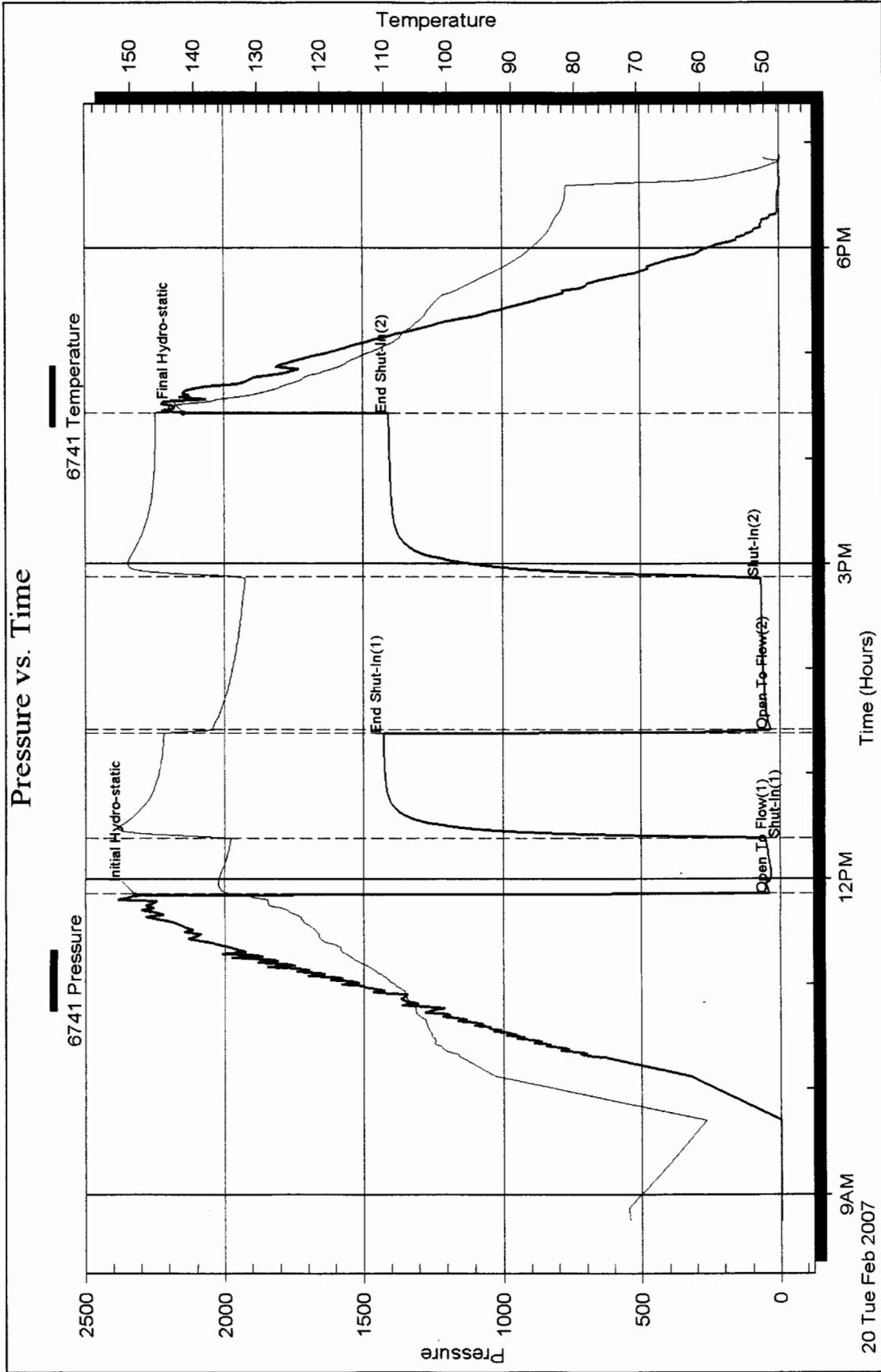
### Gas Rates Information

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 <sup>3</sup> /d)
1	15	0.25	3.00	27.60
1	15	0.25	3.00	27.60
1	20	0.25	8.00	35.54
1	25	0.25	11.00	40.30
1	30	0.25	14.00	45.05
2	10	0.25	20.00	54.57
2	20	0.25	25.00	62.50
2	30	0.25	30.00	70.44
2	40	0.25	35.00	78.37
2	50	0.25	35.00	78.37
2	60	0.25	35.00	78.37
2	70	0.25	35.00	78.37
2	90	0.25	35.00	78.37

### Pressure vs. Time







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum Corp  
8080 E Central Ste 300  
Wichita KS 67206  
ATTN: Roger McCoy

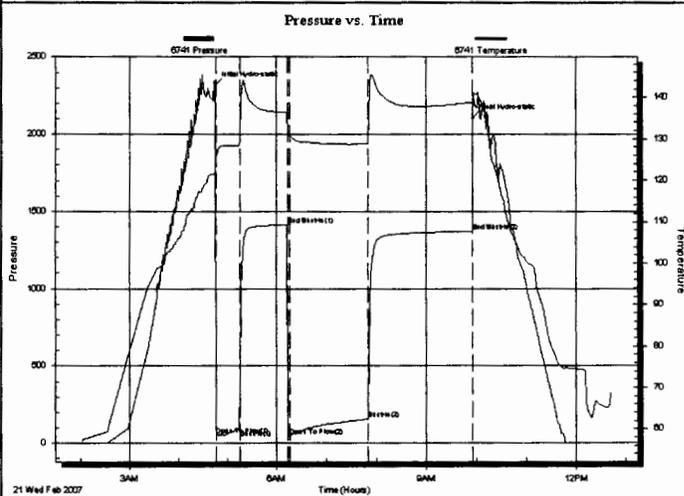
**Wenstrom A # 1-16**  
**16 26 19 Edwards KS**  
Job Ticket: 27567      **DST#: 2**  
Test Start: 2007.02.21 @ 02:00:54

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 04:46:24  
Time Test Ended: 12:42:54  
Interval: **4725.00 ft (KB) To 4755.00 ft (KB) (TVD)**  
Total Depth: 4755.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Reference Elevations: 2240.00 ft (KB)  
2229.00 ft (CF)  
KB to GR/CF: 11.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 38

**Serial #: 6741**      **Inside**  
Press@RunDepth: 154.85 psig @ 4726.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.02.21      End Date: 2007.02.21      Last Calib.: 2007.02.21  
Start Time: 02:00:56      End Time: 12:42:54      Time On Btm: 2007.02.21 @ 04:45:09  
Time Off Btm: 2007.02.21 @ 09:55:39

**TEST COMMENT:** IF Strong B-B in 30 sec - GTS in 12 min - Gauged  
FF Strong B-B in 20 sec - Gas sample taken



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.77	121.60	Initial Hydro-static
2	51.91	125.44	Open To Flow (1)
31	89.37	128.28	Shut-In(1)
88	1412.06	136.41	End Shut-In(1)
91	46.73	131.14	Open To Flow (2)
185	154.85	128.80	Shut-In(2)
311	1372.55	138.79	End Shut-In(2)
311	2104.41	139.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	GM 20%G 80%M	0.91

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.00	37.12
Last Gas Rate	0.25	70.00	133.89
Max. Gas Rate	0.25	70.00	133.89



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Corp  
8080 E Central Ste 300  
Wichita KS 67206  
  
ATTN: Roger McCoy

**Wenstrom A # 1-16**  
**16 26 19 Edwards KS**  
Job Ticket: 27567      **DST#: 2**  
Test Start: 2007.02.21 @ 02:00:54

### Tool Information

Drill Pipe:	Length: 4458.00 ft	Diameter: 3.80 inches	Volume: 62.53 bbl	Tool Weight: 2000.00 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: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4725.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 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
Change Over Sub	1.00			4705.00	
Shut In Tool	5.00			4710.00	
Hydraulic tool	5.00			4715.00	
Packer	5.00			4720.00	21.00      Bottom Of Top Packer
Packer	5.00			4725.00	
Stubb	1.00			4726.00	
Recorder	0.00	6741	Inside	4726.00	
Perforations	26.00			4752.00	
Recorder	0.00	13254	Outside	4752.00	
Bullnose	3.00			4755.00	30.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>51.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum Corp

**Wenstrom A # 1-16**

8080 E Central Ste 300  
Wichita KS 67206

**16 26 19 Edwards KS**

ATTN: Roger McCoy

Job Ticket: 27567

**DST#: 2**

Test Start: 2007.02.21 @ 02:00:54

## 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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GM 20%G 80%M	0.910

Total Length: 185.00 ft      Total Volume: 0.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

McCoy Petroleum Corp

**Wenstrom A # 1-16**

8080 E Central Ste 300  
Wichita KS 67206

**16 26 19 Edwards KS**

Job Ticket: 27567

**DST#: 2**

ATTN: Roger McCoy

Test Start: 2007.02.21 @ 02:00:54

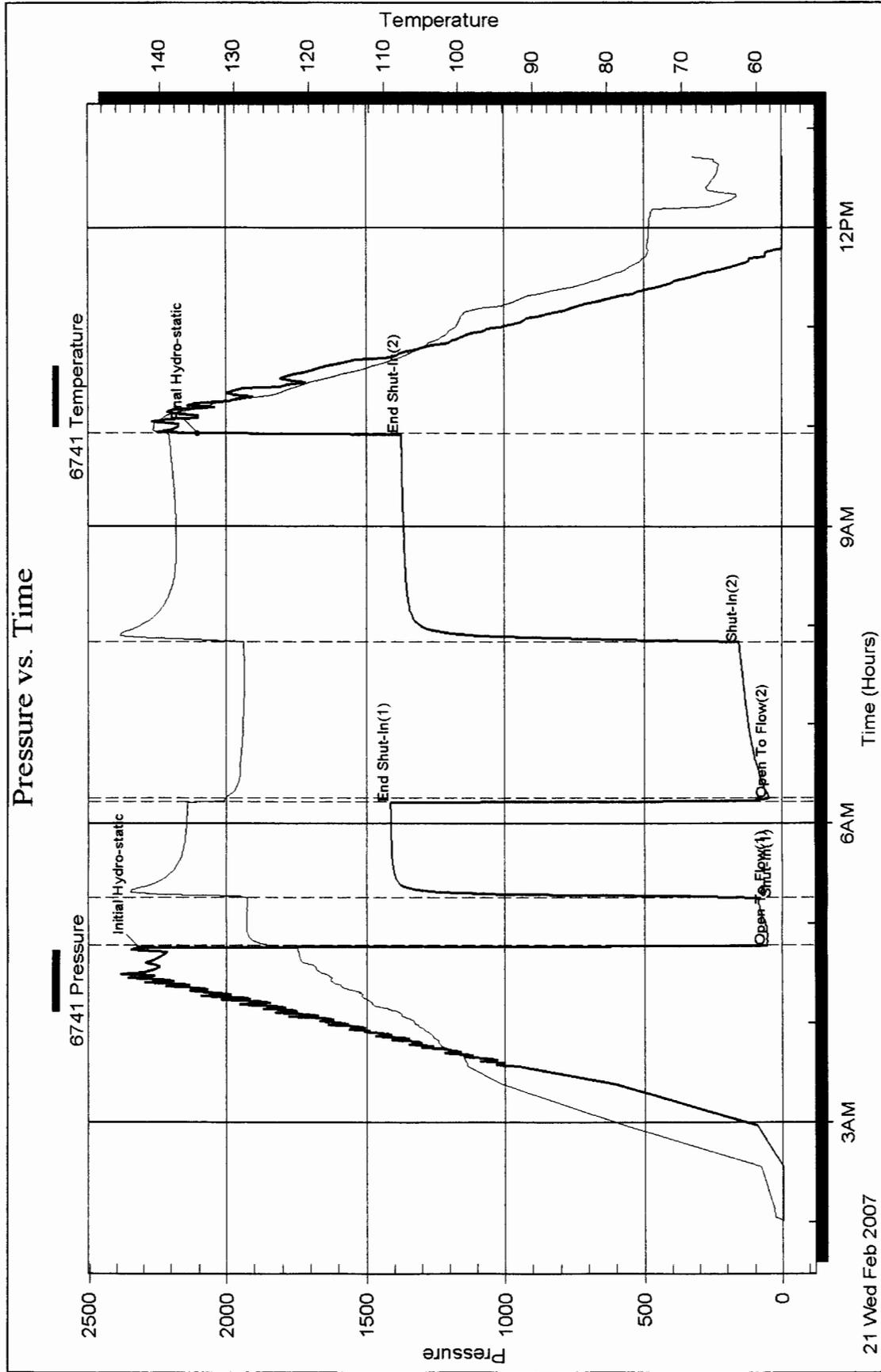
## Gas Rates Information

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 <sup>3</sup> /d)
1	12	0.25	9.00	37.12
1	12	0.25	9.00	37.12
1	20	0.25	20.00	54.57
1	30	0.25	30.00	70.44
2	10	0.25	40.00	86.30
2	20	0.25	50.00	102.16
2	30	0.25	60.00	118.03
2	40	0.25	70.00	133.89
2	50	0.25	70.00	133.89
2	60	0.25	70.00	133.89
2	70	0.25	70.00	133.89
2	80	0.25	70.00	133.89

### Pressure vs. Time



21 Wed Feb 2007

