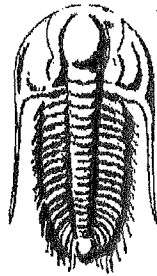


15-063-21652

27-13s-30w

KGS

CONFIDENTIAL



**TRILOBITE  
TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration Inc**

125 N Market Ste 1252  
Wichita KS 67202

ATTN: Ted Jochems

**27 13S 30W Gove KS**

**F.C. Brookover #5**

Start Date: 2007.03.18 @ 11:09:00

End Date: 2007.03.18 @ 22:09:45

Job Ticket #: 26488      DST #: 1

RECEIVED  
KANSAS CORPORATION COMMISSION

**JUN 26 2008**

CONSERVATION DIVISION  
WICHITA, KS

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

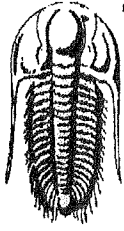
Falcon Exploration Inc

F.C. Brookover #5

27 13S 30W Gove KS

DS1 # 1

CONSERVATION DIVISION



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Falcon Exploration Inc  
125 N Market Ste 1252  
Wichita KS 67202  
ATTN: Ted Jochems

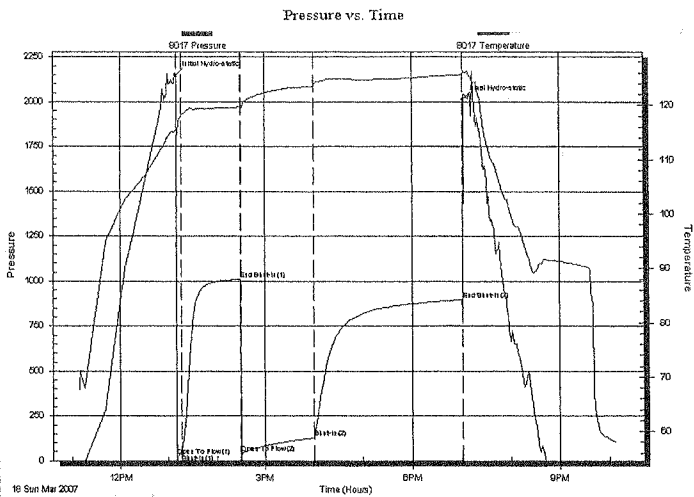
**F.C. Brookover #5**  
**27 13S 30W Gove KS**  
Job Ticket: 26488      DST#: 1  
Test Start: 2007.03.18 @ 11:09:00

## GENERAL INFORMATION:

Formation: **Pawnee-Ft. Scott**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 13:10:00  
Time Test Ended: 22:09:45  
Test Type: Conventional Bottom Hole  
Tester: Chuck Smith  
Unit No: 37  
Interval: **4295.00 ft (KB) To 4390.00 ft (KB) (TVD)**  
Reference Elevations: 2880.00 ft (KB)  
Total Depth: 4390.00 ft (KB) (TVD)      2875.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 8017      Inside**  
Press@RunDepth: 128.01 psig @ 4296.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.03.18      End Date: 2007.03.18      Last Calib.: 2007.03.18  
Start Time: 11:09:01      End Time: 22:09:45      Time On Btm: 2007.03.18 @ 13:09:45  
Time Off Btm: 2007.03.18 @ 19:01:30

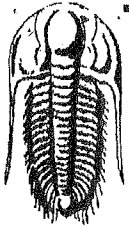
TEST COMMENT: IF 1/2 " blow built to 3 1/2 "  
ISI No return  
FF 2 1/2 " blow built to BOB @ 7 min.  
FSI Surface return built to 1 " died @ 43 min.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.48	115.25	Initial Hydro-static
1	23.67	114.25	Open To Flow (1)
6	36.39	117.95	Shut-In (1)
80	1010.03	119.65	End Shut-In (1)
81	41.13	119.39	Open To Flow (2)
171	128.01	123.57	Shut-In (2)
351	896.50	125.69	End Shut-In (2)
352	2013.01	126.06	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
92.00	GOCM 15%G 10%O 75%M	1.29
126.00	GMCO 35%G 25%M 40%O	1.77
64.00	GMCO 10%G 30%M 60%O	0.90

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Falcon Exploration Inc

**F.C. Brookover #5**

125 N Market Ste 1252  
Wichita KS 67202

**27 13S 30W Gove KS**

Job Ticket: 26488

**DST#: 1**

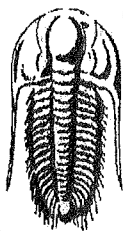
ATTN: Ted Jochems

Test Start: 2007.03.18 @ 11:09:00

**Tool Information**

Drill Pipe:	Length: 4289.00 ft	Diameter: 3.80 inches	Volume: 60.16 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: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4295.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	123.00 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			4268.00	
Shut In Tool	5.00			4273.00	
Hydraulic tool	5.00			4278.00	
Jars	5.00			4283.00	
Safety Joint	3.00			4286.00	
Packer	5.00			4291.00	28.00 Bottom Of Top Packer
Packer	4.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8017	Inside	4296.00	
Perforations	24.00			4320.00	
Change Over Sub	1.00			4321.00	
Drill Pipe	63.00			4384.00	
Change Over Sub	1.00			4385.00	
Recorder	0.00	13276	Inside	4385.00	
Bullnose	5.00			4390.00	95.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>123.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Falcon Exploration Inc  
125 N Market Ste 1252  
Wichita KS 67202  
ATTN: Ted Jochems

**F.C. Brookover #5**  
**27 13S 30W Gove KS**  
Job Ticket: 26488      **DST#: 1**  
Test Start: 2007.03.18 @ 11:09:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
92.00	GOCM 15%G 10%O 75%M	1.291
126.00	GMCO 35%G 25%M 40%O	1.767
64.00	GMCO 10%G 30%M 60%O	0.898

Total Length: 282.00 ft      Total Volume: 3.956 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: 465 Feet of GIP

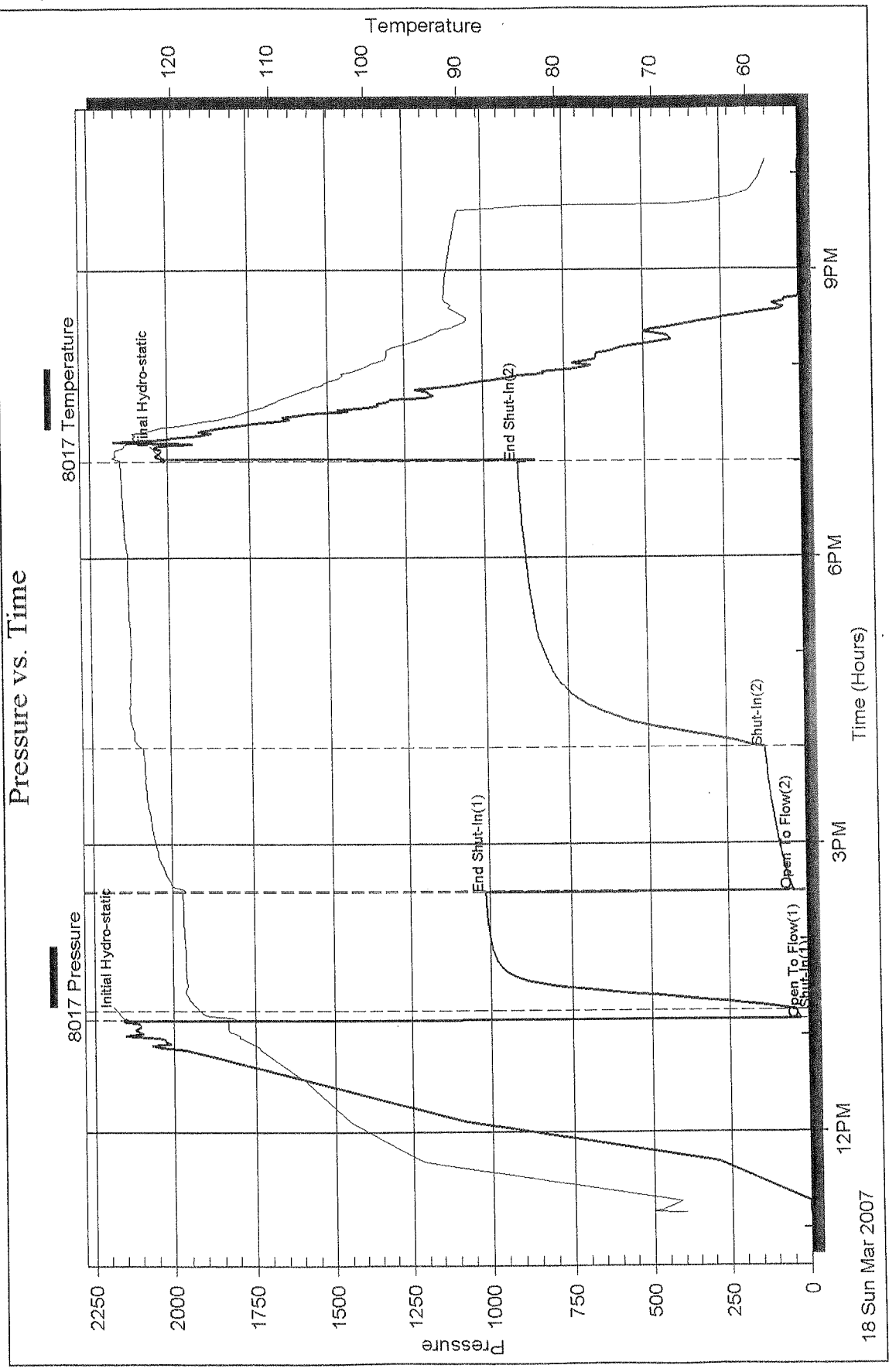
Serial #: 8017

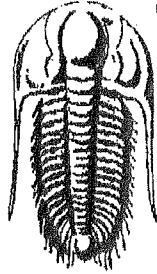
Inside

Falcon Exploration Inc

27 13S 30W Gove KS

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration Inc**

125 N Market Ste 1252  
Wichita KS 67202

ATTN: Ted Jochems

**27 13S 30W Gove KS**

**F.C. Brookover #5**

Start Date: 2007.03.19 @ 15:52:32

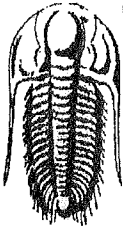
End Date: 2007.03.19 @ 22:52:47

Job Ticket #: 26489                      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

Falcon Exploration Inc

**F.C. Brookover #5**

125 N Market Ste 1252  
Wichita KS 67202

**27 13S 30W Gove KS**

ATTN: Ted Jochems

Job Ticket: 26489

DST#: 2

Test Start: 2007.03.19 @ 15:52:32

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:16:47

Time Test Ended: 22:52:47

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4460.00 ft (KB) To 4515.00 ft (KB) (TVD)**

Reference Elevations: 2880.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

2875.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8017 Inside**

Press@RunDepth: 20.84 psig @ 4461.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.03.19

End Date:

2007.03.19

Last Calib.: 2007.03.19

Start Time: 15:52:33

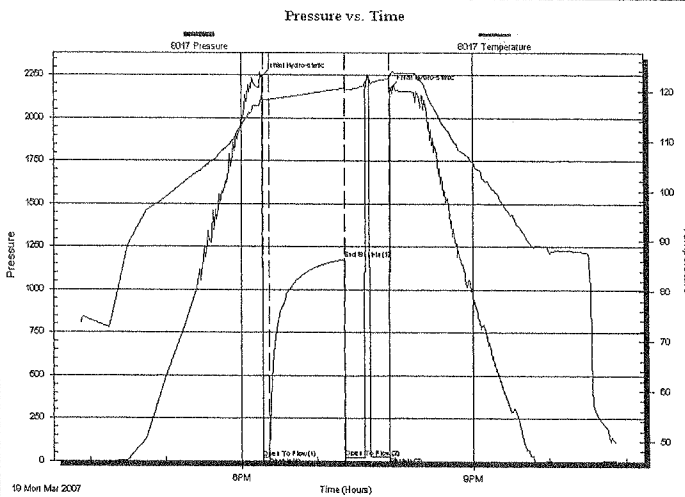
End Time:

22:52:47

Time On Btm: 2007.03.19 @ 18:16:32

Time Off Btm: 2007.03.19 @ 19:57:17

TEST COMMENT: IF Surface blow built to 1/2 "  
ISI No return  
FF No blow flushed tool @ 16 min. no blow  
FSI NA



## PRESSURE SUMMARY

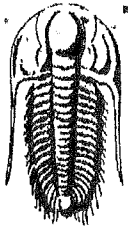
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.62	118.92	Initial Hydro-static
1	18.84	117.77	Open To Flow (1)
6	20.84	118.23	Shut-In(1)
66	1177.09	120.58	End Shut-In(1)
66	21.30	120.32	Open To Flow (2)
101	27.43	122.54	Shut-In(2)
101	2172.57	123.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	M	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Falcon Exploration Inc  
125 N Market Ste 1252  
Wichita KS 67202  
  
ATTN: Ted Jochems

**F.C. Brookover #5**  
**27 13S 30W Gove KS**  
Job Ticket: 26489      **DST#: 2**  
Test Start: 2007.03.19 @ 15:52:32

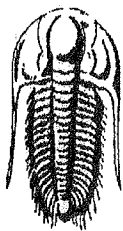
**Tool Information**

Drill Pipe:	Length: 4452.00 ft	Diameter: 3.80 inches	Volume: 62.45 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4460.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	83.00 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			4433.00	
Shut In Tool	5.00			4438.00	
Hydraulic tool	5.00			4443.00	
Jars	5.00			4448.00	
Safety Joint	3.00			4451.00	
Packer	5.00			4456.00	28.00      Bottom Of Top Packer
Packer	4.00			4460.00	
Stubb	1.00			4461.00	
Recorder	0.00	8017	Inside	4461.00	
Perforations	17.00			4478.00	
Change Over Sub	1.00			4479.00	
Drill Pipe	30.00			4509.00	
Change Over Sub	1.00			4510.00	
Recorder	0.00	13309	Inside	4510.00	
Bullnose	5.00			4515.00	55.00      Bottom Packers & Anchor

**Total Tool Length: 83.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Falcon Exploration Inc

**F.C. Brookover #5**

125 N Market Ste 1252  
Wichita KS 67202

**27 13S 30W Gove KS**

ATTN: Ted Jochems

Job Ticket: 26489

**DST#: 2**

Test Start: 2007.03.19 @ 15:52:32

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	M	0.210

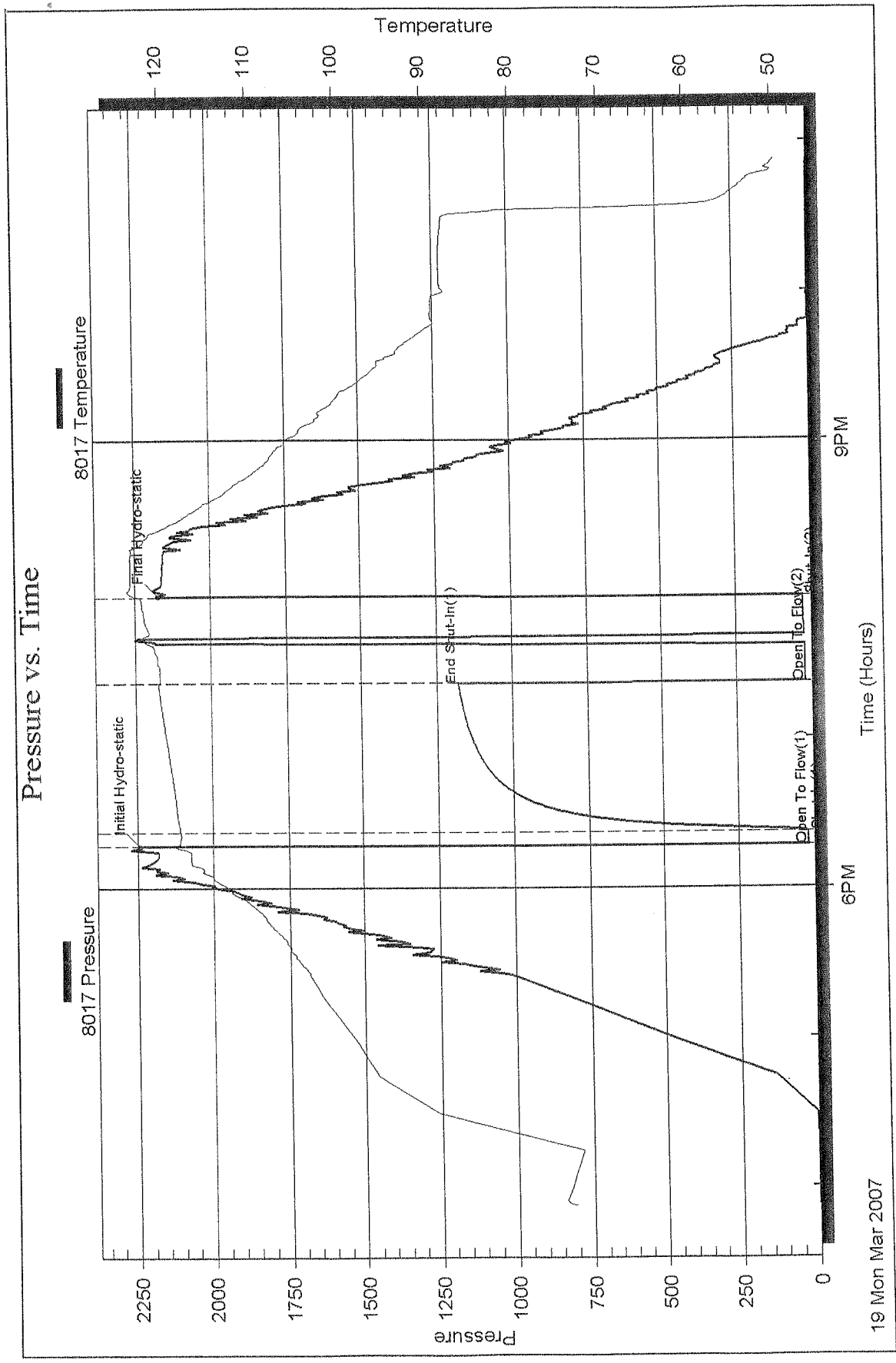
Total Length: 15.00 ft      Total Volume: 0.210 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: Scum of Oil in 15 feet

### Pressure vs. Time



19 Mon Mar 2007