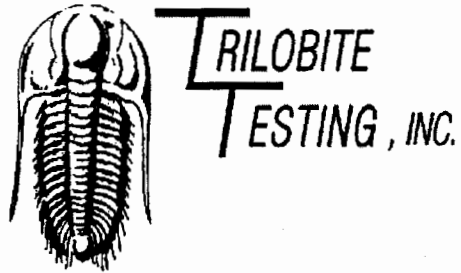


15-047-21493



### DRILL STEM TEST REPORT

Prepared For: **V J I Natural Resources**

30-38 48th Street  
Astoria, NY. 11103

ATTN: Bob Stolze

**9-25-18-Edwards**

**Mclean #1**

Start Date: 2004.04.09 @ 10:54:43

End Date: 2004.04.09 @ 19:47:32

Job Ticket #: 17380                      DST #: 1

V J I Natural Resources

Mclean #1

9-25-18-Edwards

DST # 1

Marmaton

2004.04.09

RECEIVED  
NOV 05 2004  
KOC INCORP

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

V J I Natural Resources  
 30-38 48th Street  
 Astoria, NY. 11103  
 ATTN: Bob Stolze

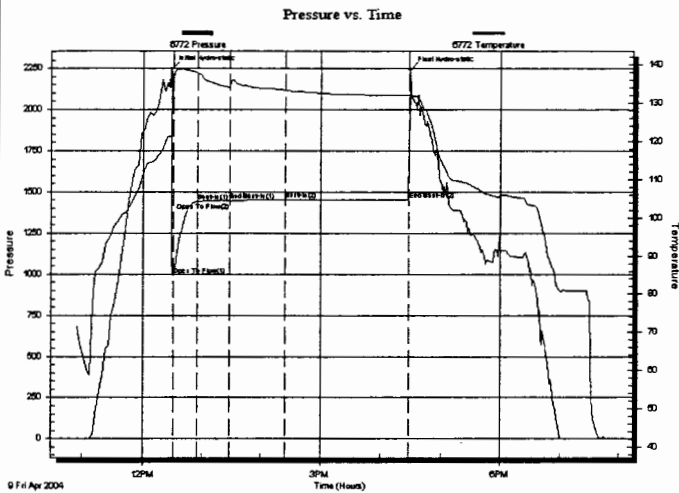
**Mclean #1**  
**9-25-18-Edwards**  
 Job Ticket: 17380      **DST#: 1**  
 Test Start: 2004.04.09 @ 10:54:43

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 12:30:43  
 Tester: Jason McLemore  
 Time Test Ended: 19:47:32  
 Unit No: 24  
 Interval: **4380.00 ft (KB) To 4420.00 ft (KB) (TVD)**  
 Reference Elevations: 2175.00 ft (KB)  
 Total Depth: 4420.00 ft (KB) (TVD)  
 2170.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 KB to GR/CF: 5.00 ft

**Serial #: 6772**      **Inside**  
 Press@RunDepth: 1450.61 psig @ 4384.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2004.04.09      End Date: 2004.04.09      Last Calib.: 1899.12.30  
 Start Time: 10:55:13      End Time: 19:47:32      Time On Btm: 2004.04.09 @ 12:28:43  
 Time Off Btm: 2004.04.09 @ 16:29:13

## TEST COMMENT:



## PRESSURE SUMMARY

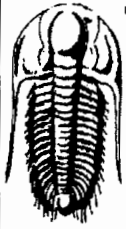
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.87	121.34	Initial Hydro-static
2	989.80	136.55	Open To Flow (1)
27	1440.49	137.88	Shut-In(1)
60	1449.07	134.05	End Shut-In(1)
60	1437.60	134.04	Open To Flow (2)
117	1450.61	133.33	Shut-In(2)
240	1451.22	132.08	End Shut-In(2)
241	2241.94	131.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3100.00	Muddy Water	43.48

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

V J I Natural Resources

30-38 48th Street  
Astoria, NY. 11103

ATTN: Bob Stolze

**Mclean #1**

**9-25-18-Edwards**

Job Ticket: 17380

**DST#: 1**

Test Start: 2004.04.09 @ 10:54:43

### Tool Information

Drill Pipe:	Length: 4385.00 ft	Diameter: 3.80 inches	Volume: 61.51 bbl	Tool Weight: 2400.00 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: 60000.00 lb
			<u>Total Volume: 61.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4380.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4358.00	
Shut In Tool	5.00			4363.00	
Hydraulic tool	5.00			4368.00	
Safety Joint	2.00			4370.00	
Packer	5.00			4375.00	23.00 Bottom Of Top Packer
Packer	5.00			4380.00	
Stubb	1.00			4381.00	
Perforations	3.00			4384.00	
Recorder	0.00	6772	Inside	4384.00	
Perforations	33.00			4417.00	
Recorder	0.00	13252	Outside	4417.00	
Bullnose	3.00			4420.00	40.00 Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

V J I Natural Resources

**Mclean #1**

30-38 48th Street  
Astoria, NY. 11103

**9-25-18-Edwards**

Job Ticket: 17380

**DST#: 1**

ATTN: Bob Stolzle

Test Start: 2004.04.09 @ 10:54:43

## 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:

50000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3100.00	Muddy Water	43.485

Total Length: 3100.00 ft

Total Volume: 43.485 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

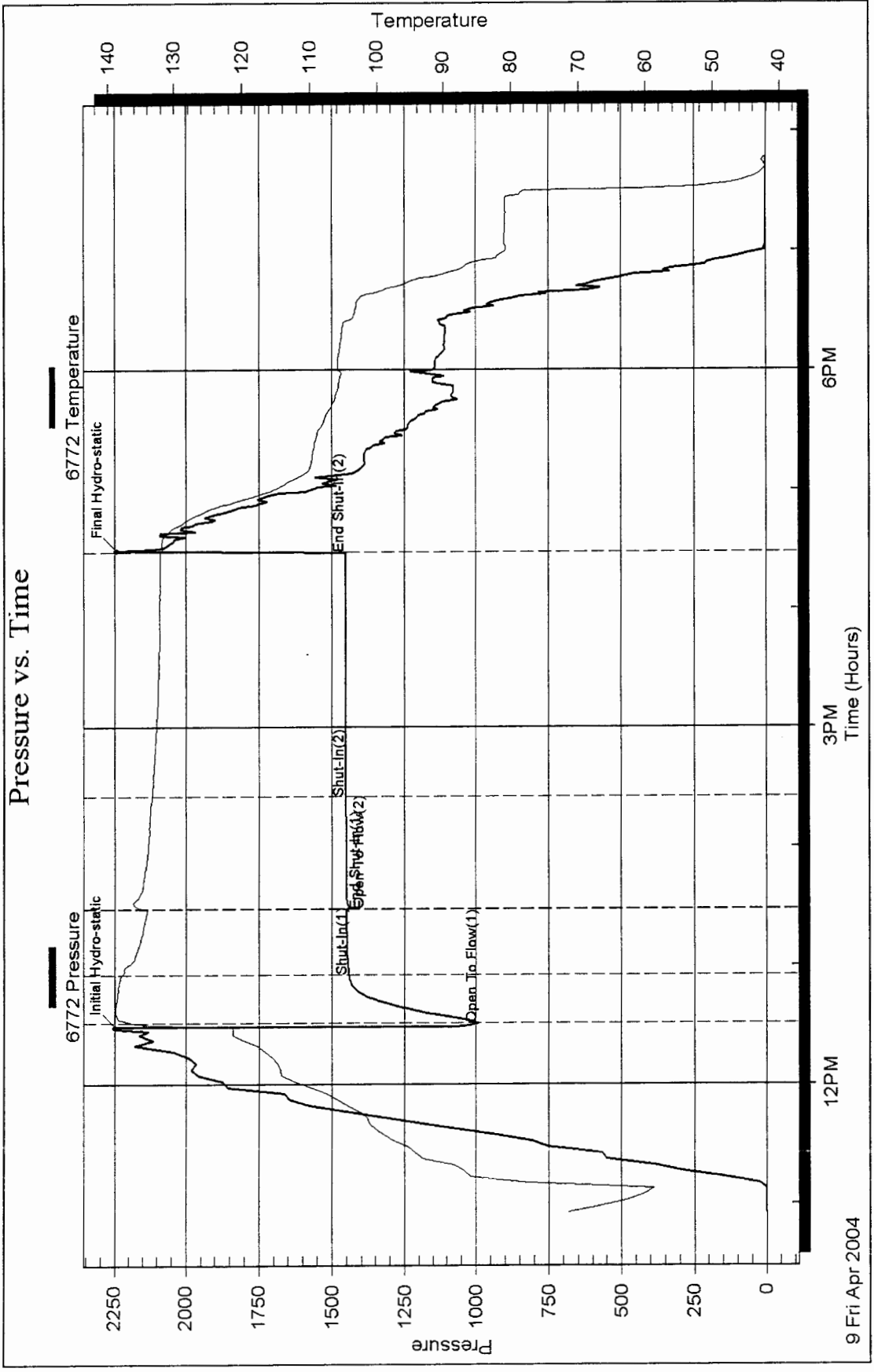
Serial #:

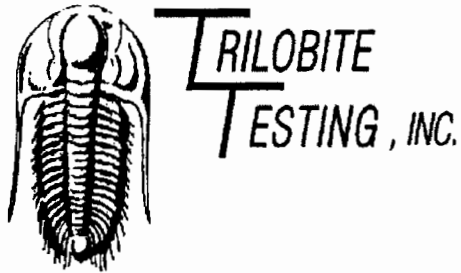
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **V J I Natural Resources**

30-38 48th Street  
Astoria, NY. 11103

ATTN: Bob Stolze

**9-25-18-Edwards**

**Mclean #1**

Start Date: 2004.04.10 @ 17:07:27

End Date: 2004.04.10 @ 22:18:47

Job Ticket #: 17381                      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

V J I Natural Resources

30-38 48th Street  
Astoria, NY. 11103

ATTN: Bob Stolze

**Mclean #1**

**9-25-18-Edwards**

Job Ticket: 17381

**DST#: 2**

Test Start: 2004.04.10 @ 17:07:27

## GENERAL INFORMATION:

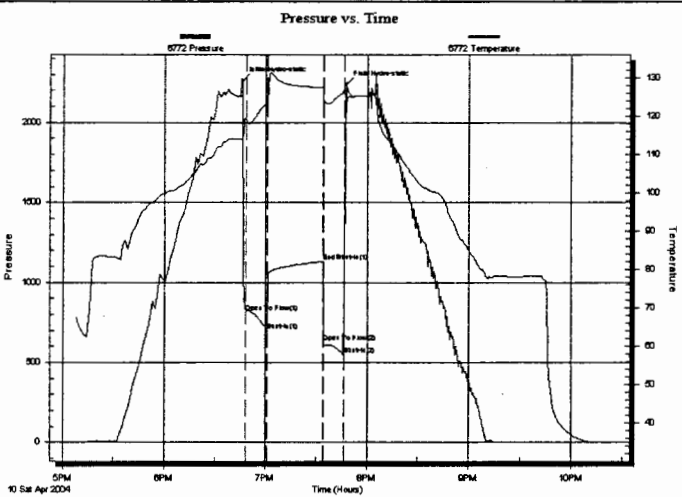
Formation: **Conglomerate**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:48:07  
 Time Test Ended: 22:18:47  
 Interval: **4540.00 ft (KB) To 4565.00 ft (KB) (TVD)**  
 Total Depth: 4565.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jason McLemore  
 Unit No: 24  
 Reference Elevations: 2175.00 ft (KB)  
 2170.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6772

Inside

Press@RunDepth: 696.48 psig @ 4542.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2004.04.10 End Date: 2004.04.10 Last Calib.: 1899.12.30  
 Start Time: 17:07:57 End Time: 22:18:47 Time On Btm: 2004.04.10 @ 18:46:17  
 Time Off Btm: 2004.04.10 @ 19:47:47

TEST COMMENT: FFP-BOB in 15 sec., Gas To Surface in 2 min, Guaging Gas  
 IS- BOB Throughout  
 FFP-Guaging Gas  
 FS- Pull Tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.61	113.94	Initial Hydro-static
2	812.07	119.35	Open To Flow (1)
15	696.48	123.65	Shut-in(1)
48	1129.41	127.48	End Shut-in(1)
48	628.55	119.40	Open To Flow (2)
60	546.48	126.33	Shut-in(2)
62	2241.12	123.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud	1.26

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	150.00	4725.31
Last Gas Rate	0.75	190.00	3192.70
Max. Gas Rate	0.75	190.00	3192.70



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

V J I Natural Resources

30-38 48th Street  
Astoria, NY. 11103

ATTN: Bob Stolze

**Mclean #1**

**9-25-18-Edwards**

Job Ticket: 17381

**DST#: 2**

Test Start: 2004.04.10 @ 17:07:27

### Tool Information

Drill Pipe:	Length: 4535.00 ft	Diameter: 3.80 inches	Volume: 63.61 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 63.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4540.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			4513.00	
Shut In Tool	5.00			4518.00	
Hydraulic tool	5.00			4523.00	
Jars	5.00			4528.00	
Safety Joint	2.00			4530.00	
Packer	5.00			4535.00	28.00 Bottom Of Top Packer
Packer	5.00			4540.00	
Stubb	1.00			4541.00	
Perforations	1.00			4542.00	
Recorder	0.00	6772	Inside	4542.00	
Perforations	20.00			4562.00	
Recorder	0.00	13252	Outside	4562.00	
Bullnose	3.00			4565.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

V J I Natural Resources

**Mclean #1**

30-38 48th Street  
Astoria, NY. 11103

**9-25-18-Edwards**

Job Ticket: 17381

**DST#: 2**

ATTN: Bob Stolze

Test Start: 2004.04.10 @ 17:07:27

**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:

12500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud	1.262

Total Length: 90.00 ft

Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

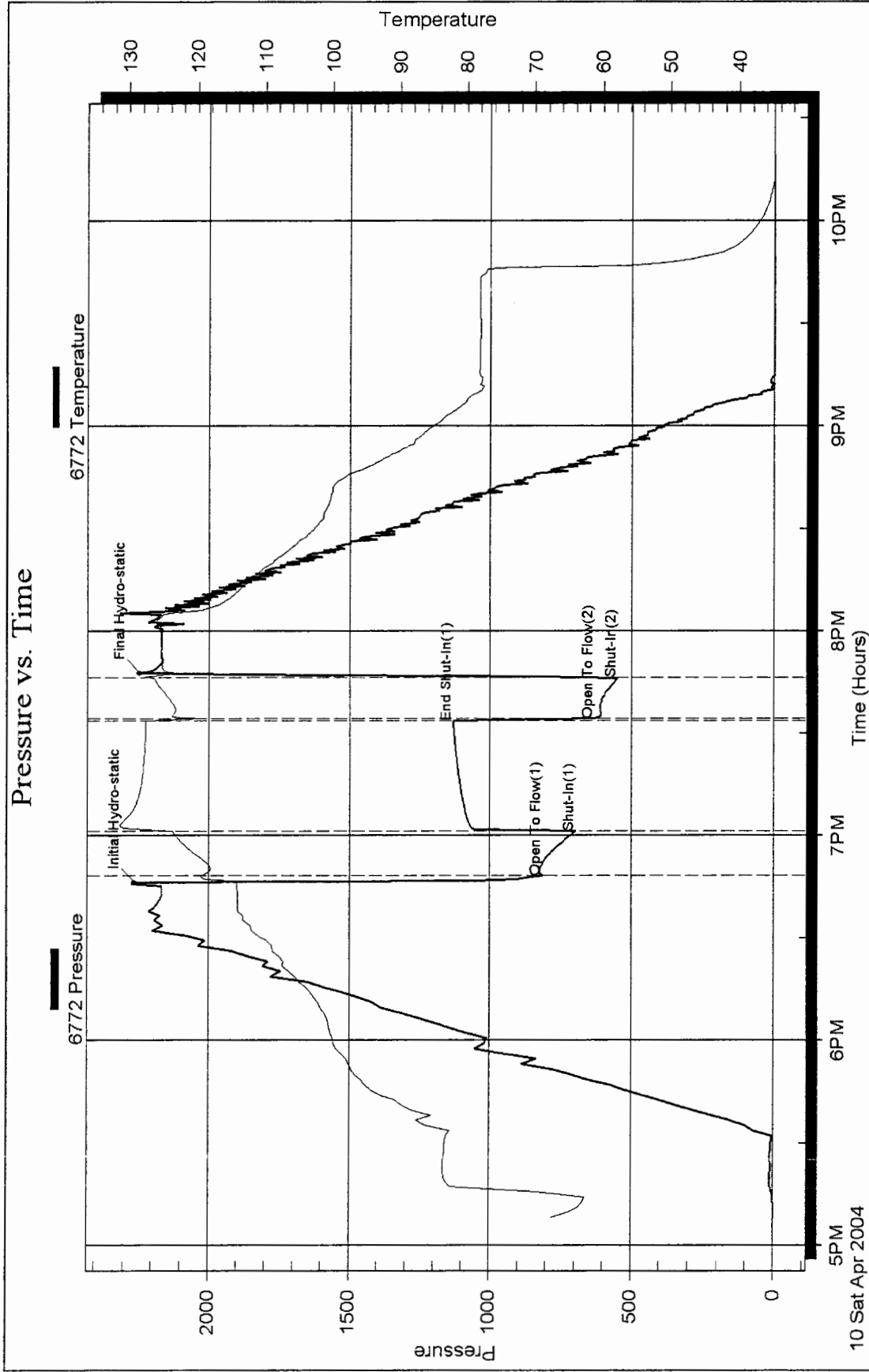
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

V J I Natural Resources

**Mclean #1**

30-38 48th Street  
Astoria, NY. 11103

**9-25-18-Edwards**

Job Ticket: 17381

**DST#: 2**

ATTN: Bob Stolze

Test Start: 2004.04.10 @ 17:07:27

### 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	5	1.00	150.00	4726.31
1	10	1.00	145.00	4582.56
1	15	1.00	145.00	4582.56
2	5	0.75	175.00	2958.40
2	10	0.75	180.00	3036.50
2	15	0.75	190.00	3192.70