

**TRILOBITE  
TESTING, INC.**

**KCC  
MAY 04 2006  
CONFIDENTIAL**

**DRILL STEM TEST REPORT**

Prepared For: **Strata Exploration, Inc.**

PO Box 401  
Fairfield IL 62637

ATTN: Jon Christensen

**27/29S/32W**

**Elliott # 2**

Start Date: 2006.02.06 @ 08:11:45

End Date: 2006.02.06 @ 16:09:14

Job Ticket #: 22287                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

**RECEIVED  
MAY 10 2006  
KCC WICHITA**

Strata Exploration, Inc.

Elliott # 2

27/29S/32W

DST # 1

Pawnee/Ft. Scott

2006.02.06



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Strata Exploration, Inc.

**Elliott # 2**

PO Box 401  
Fairfield IL 62637

**27/29S/32W**

Job Ticket: 22287

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2006.02.06 @ 08:11:45

## GENERAL INFORMATION:

Formation: **Pawnee/Ft. Scott**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 10:52:24  
 Time Test Ended: 16:09:14

Test Type: **Conventional Bottom Hole**  
 Tester: **Chris Hagman**  
 Unit No: **34**

Interval: **4950.00 ft (KB) To 4984.00 ft (KB) (TVD)**  
 Total Depth: **4984.00 ft (KB) (TVD)**  
 Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2906.00 ft (KB)**  
**2898.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

**Serial #: 6753**

**Inside**

Press@RunDepth: **511.61 psig @ 4952.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.02.06**

End Date:

**2006.02.06**

Last Calib.: **1899.12.30**

Start Time: **08:11:45**

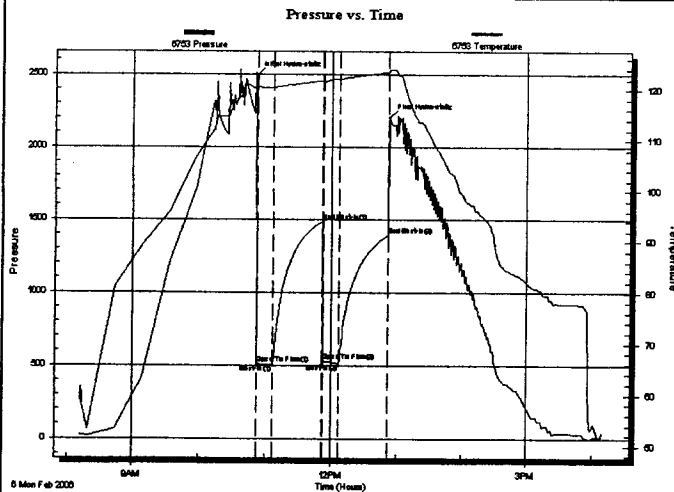
End Time:

**16:09:14**

Time On Btm: **2006.02.06 @ 10:51:54**

Time Off Btm: **2006.02.06 @ 12:52:54**

TEST COMMENT: **IF: Weak surface blow, died 2 min.**  
**IS: No blow back**  
**FF: No blow**  
**FSI: No blow back**



## PRESSURE SUMMARY

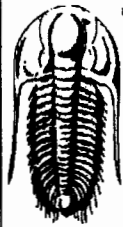
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2491.71	121.33	Initial Hydro-static
1	512.74	120.77	Open To Flow (1)
16	501.60	120.41	Shut-In(1)
60	1482.55	121.82	End Shut-In(1)
61	528.03	121.57	Open To Flow (2)
75	511.61	122.09	Shut-In(2)
120	1390.43	123.49	End Shut-In(2)
121	2199.06	124.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
806.00	100%M, skim Oil	8.76

## Gas Rates

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



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**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Strata Exploration, Inc.

**Elliott # 2**

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Fairfield IL 62637

**27/29S/32W**

Job Ticket: 22287

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2006.02.06 @ 08:11:45

**Tool Information**

Drill Pipe:	Length: 4662.00 ft	Diameter: 3.80 inches	Volume: 65.40 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: 279.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: 70000.00 lb
		<u>Total Volume:</u>	<u>66.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4950.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

**Tool Comments:**

Tool was opened going in the hole, resulting in 806' drilling mud on top of test.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4923.00	
Shut In Tool	5.00			4928.00	
Hydraulic tool	5.00			4933.00	
Jars	5.00			4938.00	
Safety Joint	3.00			4941.00	
Packer	5.00			4946.00	28.00 Bottom Of Top Packer
Packer	4.00			4950.00	
Stubb	1.00			4951.00	
Perforations	1.00			4952.00	
Recorder	0.00	6753	Inside	4952.00	
Perforations	29.00			4981.00	
Recorder	0.00	13630	Inside	4981.00	
Bullnose	3.00			4984.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Strata Exploration, Inc.

**Elliott # 2**

PO Box 401  
Fairfield IL 62637

**27/29S/32W**

Job Ticket: 22287

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2006.02.06 @ 08:11:45

**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:

3800 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
806.00	100%M, skim Oil	8.765

Total Length: 806.00 ft      Total Volume: 8.765 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW=1.573@65F=3800ppm

Serial #: 6753

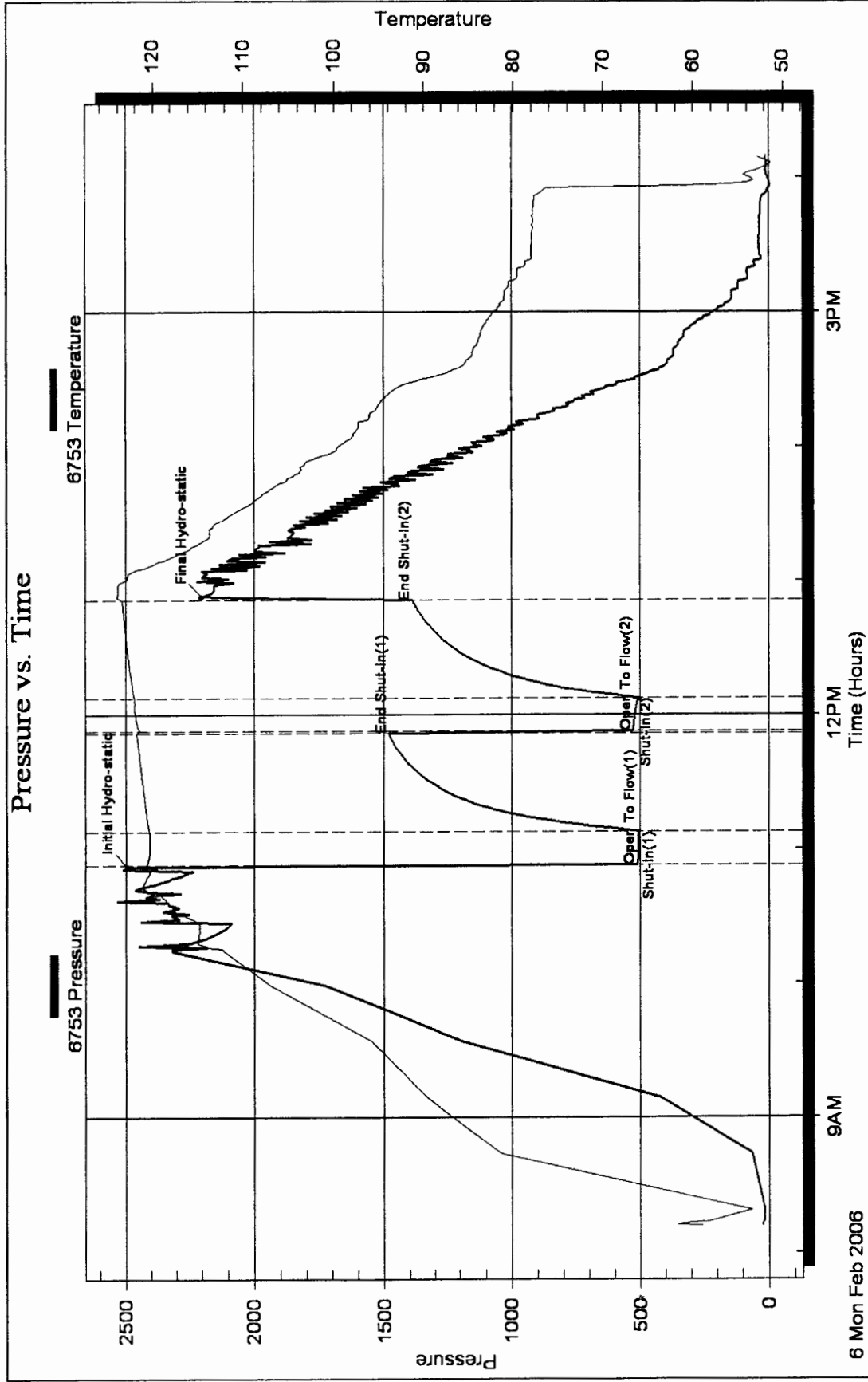
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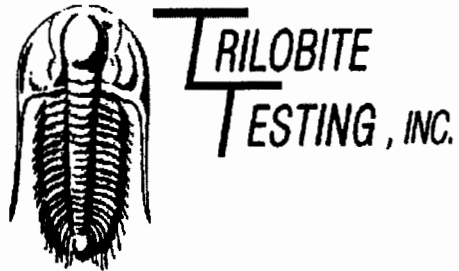
Strata Exploration, Inc.

27/29S32W

DST Test Number: 1

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Strata Exploration, Inc.**

PO Box 401  
Fairfield IL 62637

ATTN: Jon Christensen

**27/29S/32W**

**Elliott # 2**

Start Date: 2006.02.07 @ 12:54:40

End Date: 2006.02.07 @ 23:39:19

Job Ticket #: 22288                      DST #: 2

Strata Exploration, Inc.

Elliott # 2

27/29S/32W

DST # 2

Atoka

2006.02.07

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



**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Strata Exploration, Inc.

**Elliott # 2**

PO Box 401  
Fairfield IL 62637

**27/29S/32W**

Job Ticket: 22288

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2006.02.07 @ 12:54:40

**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:

180000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
120.00	20%G,40%O,35%W,5%M	0.590
407.00	45%G,25%O,10%W,20%M	4.261

Total Length: 527.00 ft      Total Volume: 4.851 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW= .072@48F=180000ppm



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## DRILL STEM TEST REPORT

**GAS RATES**

Strata Exploration, Inc.

**Elliott # 2**

PO Box 401  
Fairfield IL 62637

**27/29S/32W**

Job Ticket: 22288

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2006.02.07 @ 12:54:40

### 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)
2	70	0.13	2.00	6.14
2	80	0.13	2.00	6.14
2	90	0.13	2.00	6.14
2	90	0.13	2.00	6.14

Serial #: 6753

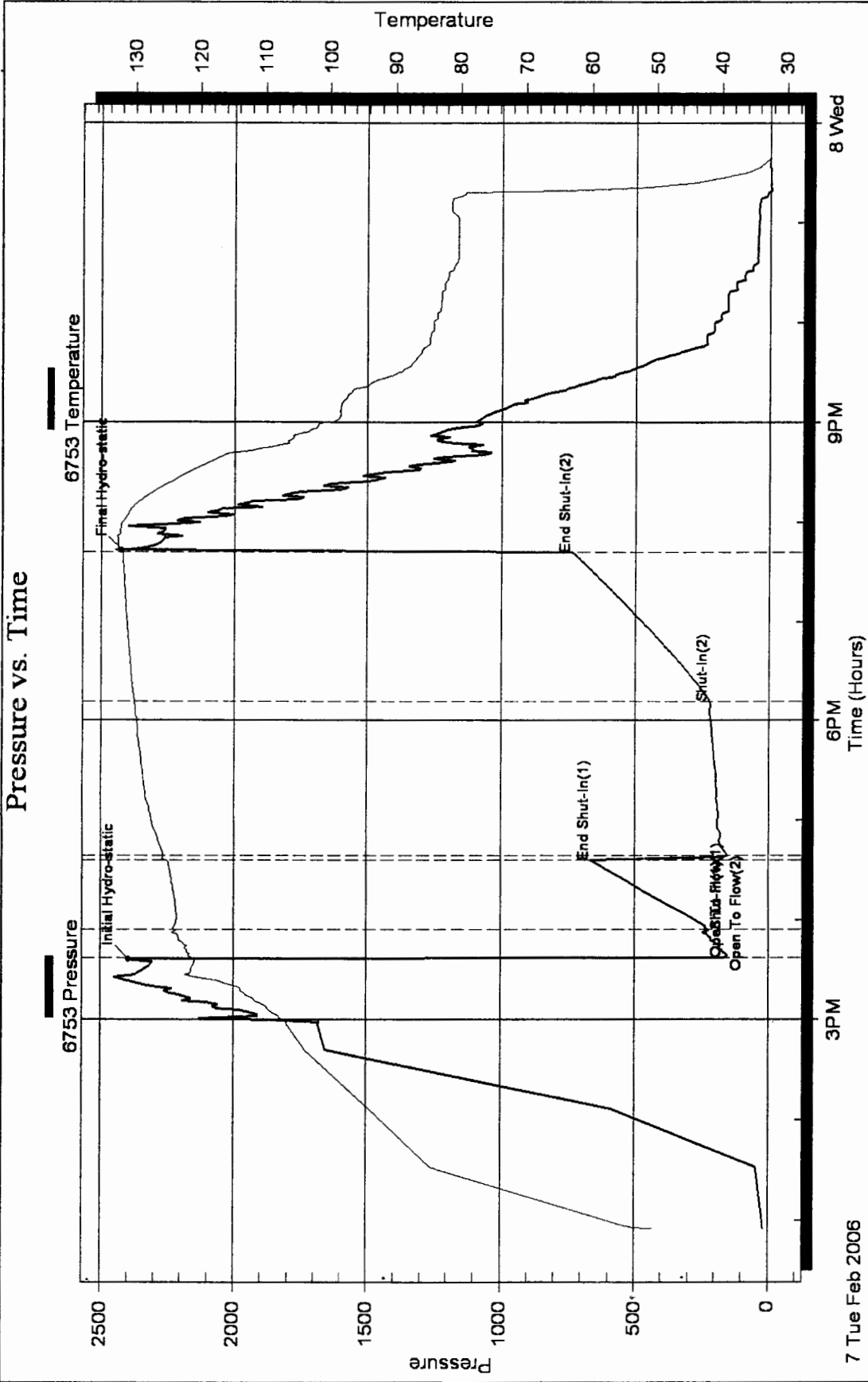
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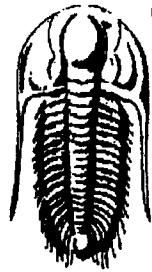
Strata Exploration, Inc.

27/28S932W

DST Test Number: 2

### Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **Strata Exploration, Inc.**

PO Box 401  
Fairfield IL 62637

ATTN: Jon Christensen

**27/29S/32W**

**Elliott # 2**

Start Date: 2006.02.09 @ 12:12:50

End Date: 2006.02.09 @ 23:55:19

Job Ticket #: 22289                      DST #: 3

Strata Exploration, Inc.

Elliott # 2

27/29S/32W

DST # 3

St. Louis "B"

2006.02.09

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

DST Test Number: 3

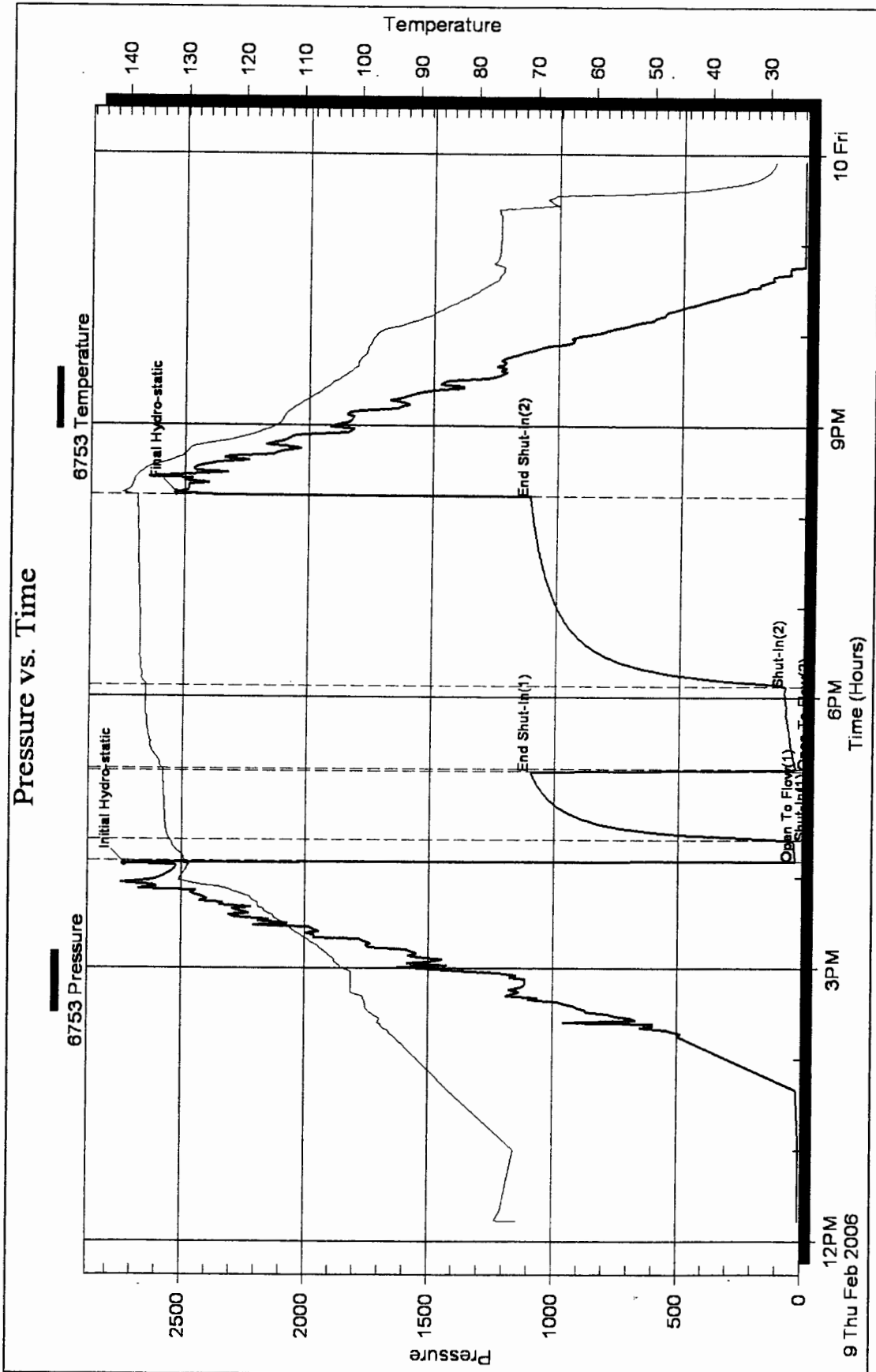
27/28S/32W

Strata Exploration, Inc.

Inside

Serial #: 6753

### Pressure vs. Time



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