

15-057-20711

23-29s-25w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **S&W Oil & Gas LLC**

3540 W Douglas Ste 3
Wichita KS 67203

ATTN: Pat Deenihan

23 29s 25w Ford KS

Shelor #23-1

Start Date: 2011.01.15 @ 12:28:05

End Date: 2011.01.15 @ 19:29:29

Job Ticket #: 37412

DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

RECEIVED
MAR 21 2012
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

S&W Oil & Gas LLC

3540 W Douglas Ste 3
Wichita KS 67203

ATTN: Pat Deenihan

Shelor #23-1

23 29s 25w Ford KS

Job Ticket: 37412

DST#: 1

Test Start: 2011.01.15 @ 12:28:05

GENERAL INFORMATION:

Formation: **Lower Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:02:15

Time Test Ended: 19:29:29

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 34

Interval: **5048.00 ft (KB) To 5087.00 ft (KB) (TVD)**

Total Depth: 5087.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2716.00 ft (KB)

2706.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6773**

Inside

Press@RunDepth: 33.19 psig @ 5049.00 ft (KB)

Start Date: 2011.01.15

End Date:

2011.01.15

Start Time: 12:28:00

End Time:

19:29:24

Capacity: 8000.00 psig

Last Calib.: 2011.01.15

Time On Btm: 2011.01.15 @ 14:57:55

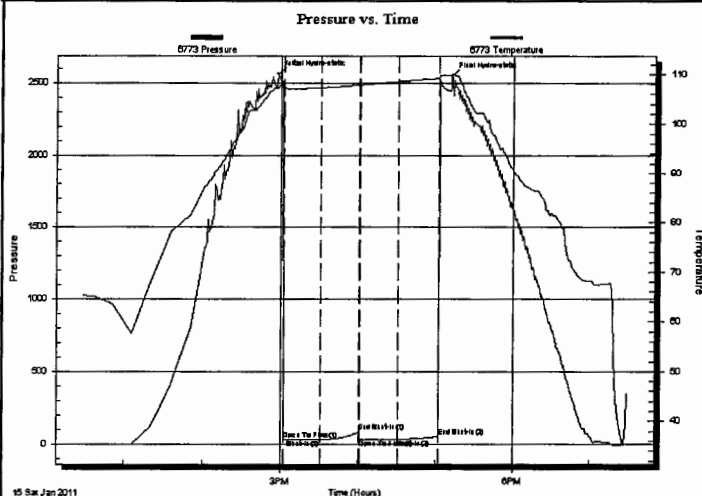
Time Off Btm: 2011.01.15 @ 17:11:54

TEST COMMENT: IF Weak surface blow . No more than 1/4".

ISI No blow .

FF No blow .

FSI No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2561.26	107.33	Initial Hydro-static
5	32.91	107.20	Open To Flow (1)
34	31.22	107.30	Shut-In(1)
63	86.53	107.90	End Shut-In(1)
63	36.19	107.87	Open To Flow (2)
94	33.19	108.54	Shut-In(2)
124	54.01	109.15	End Shut-In(2)
134	2548.29	109.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drilg mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

S&W Oil & Gas LLC

Shelor #23-1

3540 W Douglas Ste 3
Wichita KS 67203

23 29s 25w Ford KS

Job Ticket: 37412

DST#: 1

ATTN: Pat Deenihan

Test Start: 2011.01.15 @ 12:28:05

Tool Information

Drill Pipe:	Length: 4833.00 ft	Diameter: 3.80 inches	Volume: 67.79 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: 26000.00 lb
Drill Collar:	Length: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume: 68.81 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5048.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 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			5021.00	
Shut In Tool	5.00			5026.00	
Hydraulic tool	5.00			5031.00	
Jars	5.00			5036.00	
Safety Joint	2.00			5038.00	
Packer	5.00			5043.00	28.00 Bottom Of Top Packer
Packer	5.00			5048.00	
Stubb	1.00			5049.00	
Recorder	0.00	8166	Outside	5049.00	
Recorder	0.00	6773	Inside	5049.00	
Perforations	35.00			5084.00	
Bullnose	3.00			5087.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

S&W Oil & Gas LLC

Shelor #23-1

3540 W Douglas Ste 3
Wichita KS 67203

23 29s 25w Ford KS

Job Ticket: 37412

DST#: 1

ATTN: Pat Deenihan

Test Start: 2011.01.15 @ 12:28:05

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

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
20.00	drlg mud	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:

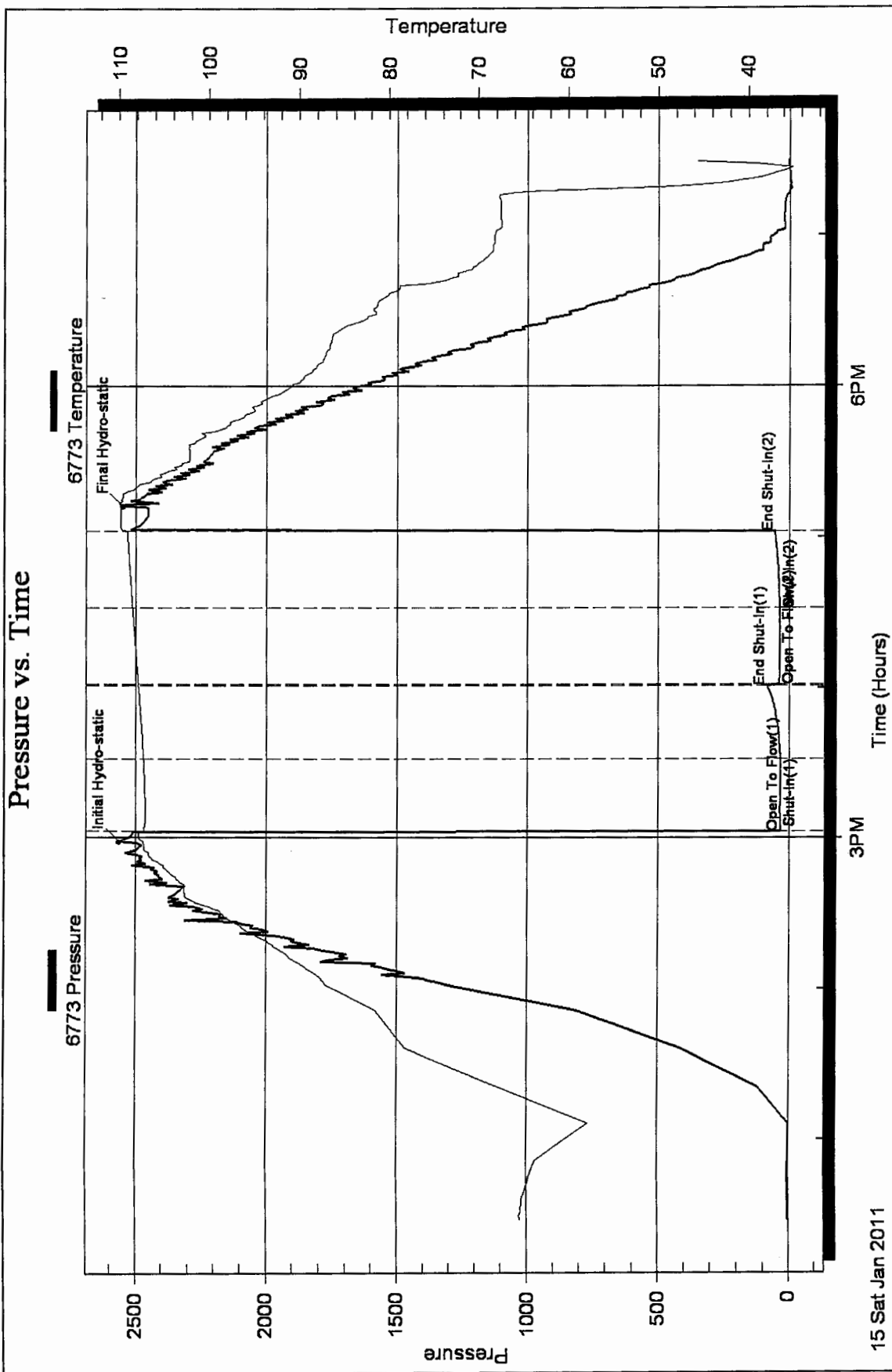
DST Test Number: 1

23 29s 25w Ford KS

Inside S&W Oil & Gas LLC

Serial #: 6773

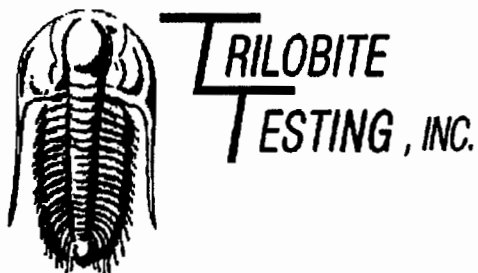
Pressure vs. Time



Ref. No: 37412

Trilobite Testing, Inc

Printed: 2011.01.21 @ 09:53:26 Page 5



DRILL STEM TEST REPORT

Prepared For: **S&W Oil & Gas LLC**

3540 W Douglas Ste 3
Wichita KS 67203

ATTN: Pat Deenihan

23 29s 25w Ford KS

Shelor #23-1

Start Date: 2011.01.16 @ 22:22:43

End Date: 2011.01.17 @ 07:55:08

Job Ticket #: 37413 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

S&W Oil & Gas LLC

3540 W Douglas Ste 3
Wichita KS 67203

ATTN: Pat Deenihan

Shelor #23-1

23 29s 25w Ford KS

Job Ticket: 37413

DST#: 2

Test Start: 2011.01.16 @ 22:22:43

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 03:11:38

Time Test Ended: 07:55:08

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **34**

Interval: **5252.00 ft (KB) To 5305.00 ft (KB) (TVD)**

Total Depth: **5305.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2716.00 ft (KB)**

2706.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **6773**

Inside

Press@RunDepth: **35.32 psig @ 5253.00 ft (KB)**

Start Date: **2011.01.16**

End Date: **2011.01.17**

Start Time: **22:22:43**

End Time: **07:55:08**

Capacity: **8000.00 psig**

Last Calib.: **2011.01.17**

Time On Btm: **2011.01.17 @ 02:57:22**

Time Off Btm: **2011.01.17 @ 05:24:52**

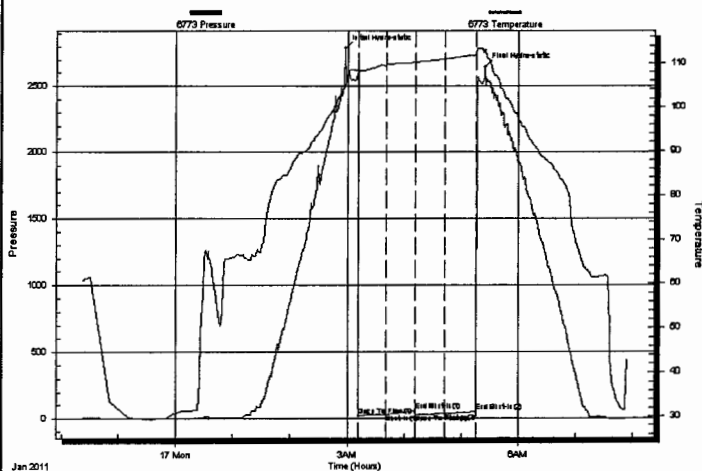
TEST COMMENT: IF Weak surface blow. No more than 1/4". (died off @ 5 min)

ISI No blow.

FF No blow.

FSI No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2785.68	104.77	Initial Hydro-static
15	26.33	107.48	Open To Flow (1)
44	31.41	109.61	Shut-In(1)
74	60.90	110.13	End Shut-In(1)
74	33.10	110.15	Open To Flow (2)
106	35.32	110.90	Shut-In(2)
139	51.25	111.90	End Shut-In(2)
148	2646.64	113.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	drilg mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

S&W Oil & Gas LLC

Shelor #23-1

3540 W Douglas Ste 3
Wichita KS 67203

23 29s 25w Ford KS

Job Ticket: 37413

DST#: 2

ATTN: Pat Deenihan

Test Start: 2011.01.16 @ 22:22:43

Tool Information

Drill Pipe:	Length: 5047.00 ft	Diameter: 3.80 inches	Volume: 70.80 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:	26000.00 lb
Drill Collar:	Length: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	71.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	5252.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	81.00 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	6.00			5230.00		
Shut In Tool	5.00			5235.00		
Hydraulic tool	5.00			5240.00		
Safety Joint	2.00			5242.00		
Packer	5.00			5247.00	28.00	Bottom Of Top Packer
Packer	5.00			5252.00		
Stubb	1.00			5253.00		
Recorder	0.00	8166	Outside	5253.00		
Recorder	0.00	6773	Inside	5253.00		
Perforations	15.00			5268.00		
Change Over Sub	1.00			5269.00		
Blank Spacing	32.00			5301.00		
Change Over Sub	1.00			5302.00		
Bullnose	3.00			5305.00	53.00	Bottom Packers & Anchor

Total Tool Length: 81.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

S&W Oil & Gas LLC

Shelor #23-1

3540 W Douglas Ste 3
Wichita KS 67203

23 29s 25w Ford KS

Job Ticket: 37413

DST#: 2

ATTN: Pat Deenihan

Test Start: 2011.01.16 @ 22:22:43

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:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	drlg mud	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

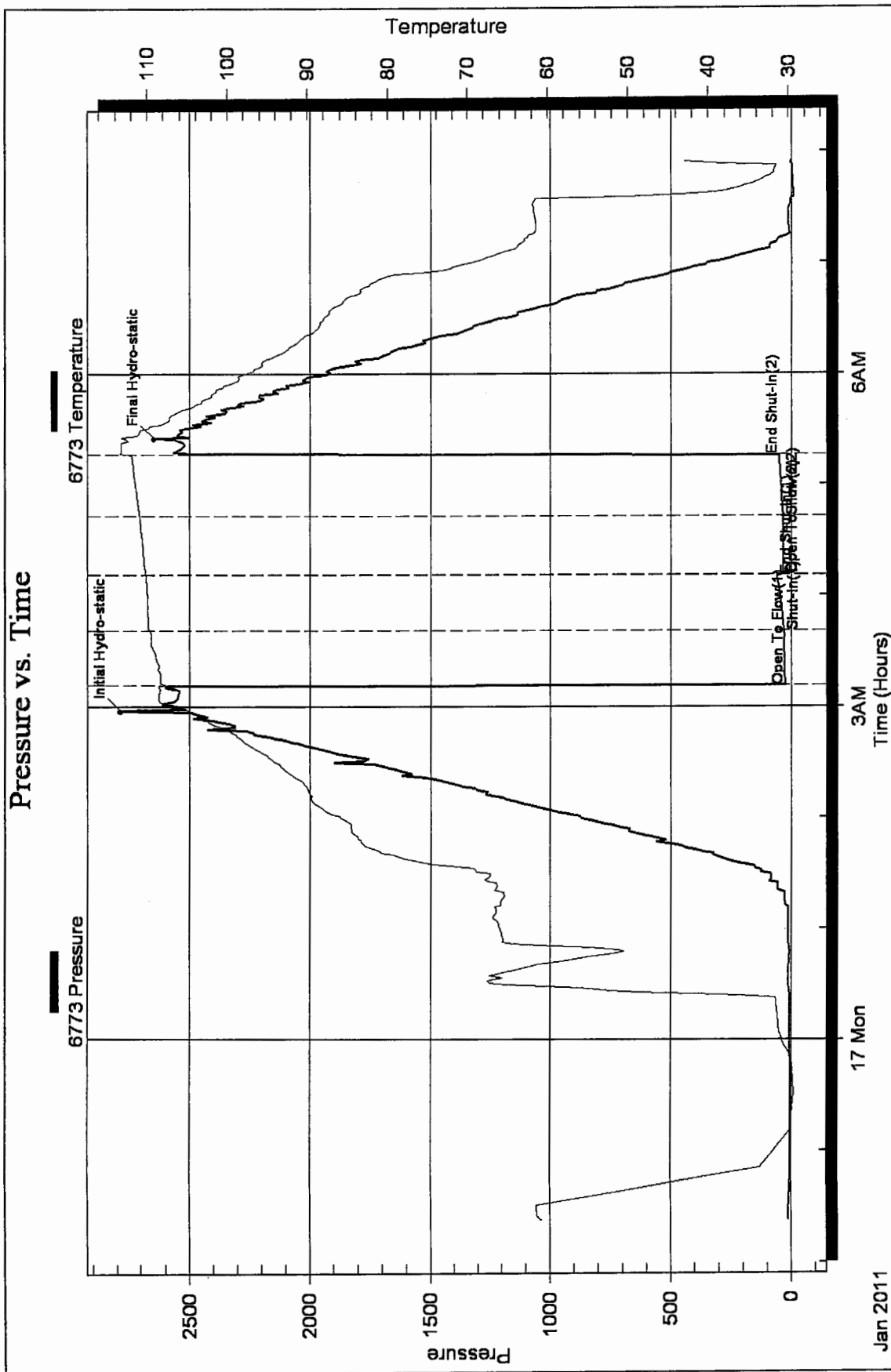
23 29s 25w Ford KS

S&W Oil & Gas LLC

Inside

Serial #: 6773

Pressure vs. Time



Ref. No: 37413

Trilobite Testing, Inc

Printed: 2011.01.21 @ 09:53:50 Page 5