

02-32-17w

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KANSAS CORPORATION COMMISSION

JUL 29 2004

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper.Co.LLC**

125N.Market Ste.1000
Wichita Ks.67202

ATTN: Brad Rine

2-32s-17w Comanche K

York A#1

Start Date: 2003.11.22 @ 23:51:00

End Date: 2003.11.23 @ 12:50:45

Job Ticket #: 17956 DST #: 1

API 15-033-21386-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Oper.Co.LLC

125N.Market Ste.1000
Wichita Ks.67202

ATTN: Brad Rine

York A#1

2-32s-17w Comanche K

Job Ticket: 17956

DST#: 1

Test Start: 2003.11.22 @ 23:51:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:29:45

Time Test Ended: 12:50:45

Interval: **5137.00 ft (KB) To 5168.00 ft (KB) (TVD)**

Total Depth: 5168.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Reference Elevations: 2133.00 ft (KB)

2120.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6770

Inside

Press@RunDepth: 32.56 psig @ 5138.00 ft (KB)

Start Date: 2003.11.22

End Date:

2003.11.23

Start Time: 23:51:05

End Time:

12:50:45

Capacity: 7000.00 psig

Last Calib.: 2003.11.23

Time On Btm: 2003.11.23 @ 05:27:45

Time Off Btm: 2003.11.23 @ 09:39:45

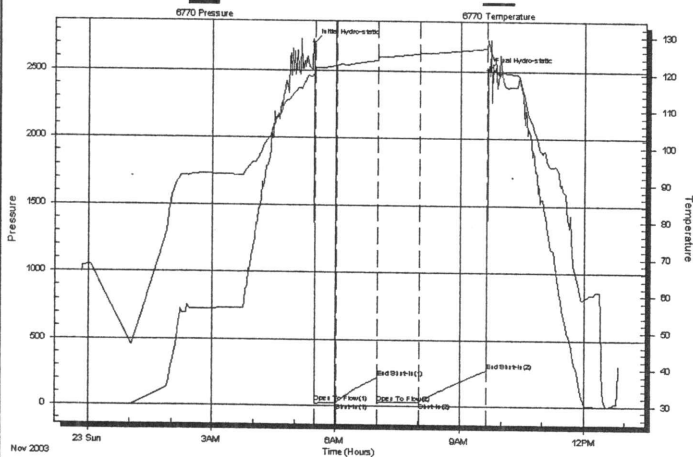
TEST COMMENT: IF:Strong blow . B.O.B/ in 6 mins.

IS:No blow .

FF:Fair blow . 6 - 8".

FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2707.55	120.10	Initial Hydro-static
2	21.22	121.22	Open To Flow (1)
34	24.55	122.04	Shut-In(1)
93	218.35	123.56	End Shut-In(1)
93	20.90	123.74	Open To Flow (2)
153	32.56	125.41	Shut-In(2)
251	273.13	126.79	End Shut-In(2)
252	2508.52	129.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drig.mud	0.63
0.00	250 ft.of gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper.Co.LLC

York A#1

125N.Market Ste.1000
Wichita Ks.67202

2-32s-17w Comanche K

Job Ticket: 17956

DST#: 1

ATTN: Brad Rine

Test Start: 2003.11.22 @ 23:51:00

Tool Information

Drill Pipe:	Length: 5117.00 ft	Diameter: 3.80 inches	Volume: 71.78 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 115000.0 lb
			Total Volume: 71.78 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5137.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

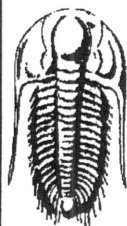
Tool Comments:

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	CONSERVATION DIVISION WICHITA, KS
Change Over Sub	1.00			5111.00		
Shut In Tool	5.00			5116.00		
Hydraulic tool	5.00			5121.00		
Jars	5.00			5126.00		
Safety Joint	2.00			5128.00		
Packer	4.00			5132.00	27.00	Bottom Of Top Packer
Packer	5.00			5137.00		
Stubb	1.00			5138.00		
Recorder	0.00	6770	Inside	5138.00		
Perforations	25.00			5163.00		
Recorder	0.00	13222	Outside	5163.00		
Bullnose	5.00			5168.00	31.00	Bottom Packers & Anchor

Total Tool Length: 58.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

York A#1

125N.Market Ste.1000
Wichita Ks.67202

2-32s-17w Comanche K

Job Ticket: 17956

DST#: 1

ATTN: Brad Rine

Test Start: 2003.11.22 @ 23:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 10.37 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Drilg.mud	0.631
0.00	250 ft.of gas in pipe	0.000

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

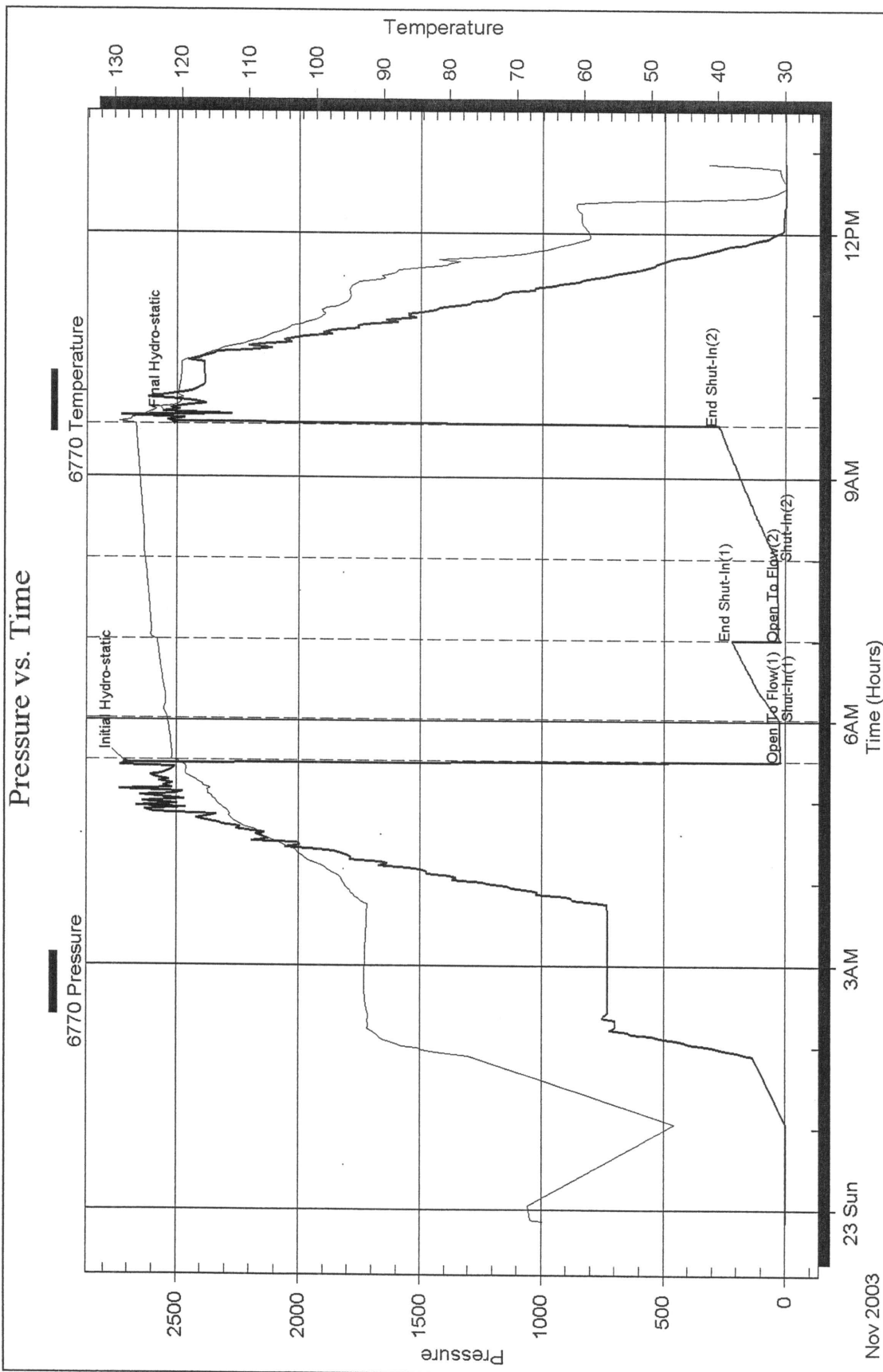
2-32s-17w Comanche K

Woodsey Oper. Co. LLC

Inside

Serial #: 6770

Pressure vs. Time

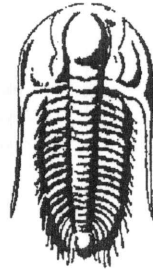


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WICHITA, KS



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DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper.Co.LLC**

125N.Market Ste.1000
Wichita Ks.67202

ATTN: Brad Rine

2-32s-17w Comanche K

York A#1

Start Date: 2003.11.24 @ 02:33:40

End Date: 2003.11.24 @ 14:48:55

Job Ticket #: 17957 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

Woolsey Oper.Co.LLC

125N.Market Ste.1000
Wichita Ks.67202

ATTN: Brad Rine

York A#1

2-32s-17w Comanche K

Job Ticket: 17957

DST#: 2

Test Start: 2003.11.24 @ 02:33:40

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:40

Time Test Ended: 14:48:55

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **5172.00 ft (KB) To 5188.00 ft (KB) (TVD)**

Total Depth: 5188.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2133.00 ft (KB)

2120.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6770

Inside

Press@RunDepth: 68.03 psig @ 5173.00 ft (KB)

Start Date: 2003.11.24

End Date:

2003.11.24

Start Time: 02:33:45

End Time:

14:48:55

Capacity: 7000.00 psig

Last Calib.: 2003.11.24

Time On Btm: 2003.11.24 @ 08:12:55

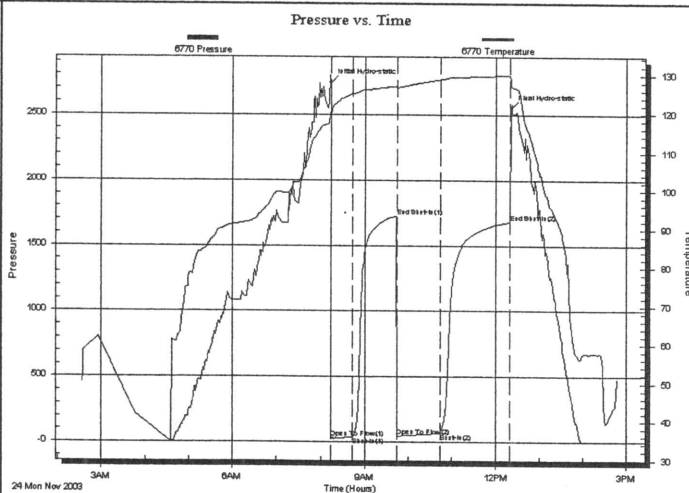
Time Off Btm: 2003.11.24 @ 12:21:10

TEST COMMENT: IF:Weak blow . Slow increase to 3".

IS:No blow .

FF:Weak blow . Slow increase to 4".

FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2741.65	120.46	Initial Hydro-static
1	30.30	119.35	Open To Flow (1)
31	38.96	125.22	Shut-In(1)
91	1723.85	127.11	End Shut-In(1)
92	46.43	126.75	Open To Flow (2)
151	68.03	128.80	Shut-In(2)
247	1680.28	129.96	End Shut-In(2)
249	2550.42	127.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Drig.mud	0.77
65.00	WM 46%w 54%w Rw .14 ohms @ 44 de	0.91
0.00	trace of gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper.Co.LLC

York A#1

125N.Market Ste.1000
Wichita Ks.67202

2-32s-17w Comanche K

Job Ticket: 17957

DST#: 2

ATTN: Brad Rine

Test Start: 2003.11.24 @ 02:33:40

Tool Information

Drill Pipe:	Length: 5150.00 ft	Diameter: 3.80 inches	Volume: 72.24 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 72.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5172.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	CONSERVATION DIVISION WICHITA, KS
Change Over Sub	1.00			5146.00		
Shut In Tool	5.00			5151.00		
Hydraulic tool	5.00			5156.00		
Jars	5.00			5161.00		
Safety Joint	2.00			5163.00		
Packer	4.00			5167.00	27.00	Bottom Of Top Packer
Packer	5.00			5172.00		
Stubb	1.00			5173.00		
Recorder	0.00	6770	Inside	5173.00		
Perforations	10.00			5183.00		
Recorder	0.00	13222	Outside	5183.00		
Bullnose	5.00			5188.00	16.00	Bottom Packers & Anchor

Total Tool Length: 43.00



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FLUID SUMMARY

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York A#1

125N.Market Ste.1000
Wichita Ks.67202

2-32s-17w Comanche K

Job Ticket: 17957

DST#: 2

ATTN: Brad Rine

Test Start: 2003.11.24 @ 02:33:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 10.37 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 91000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Drilg.mud	0.772
65.00	WM 46%w 54%m Rw .14 ohms @ 44 deg.	0.912
0.00	trace of gas in pipe	0.000

Total Length: 120.00 ft

Total Volume: 1.684 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

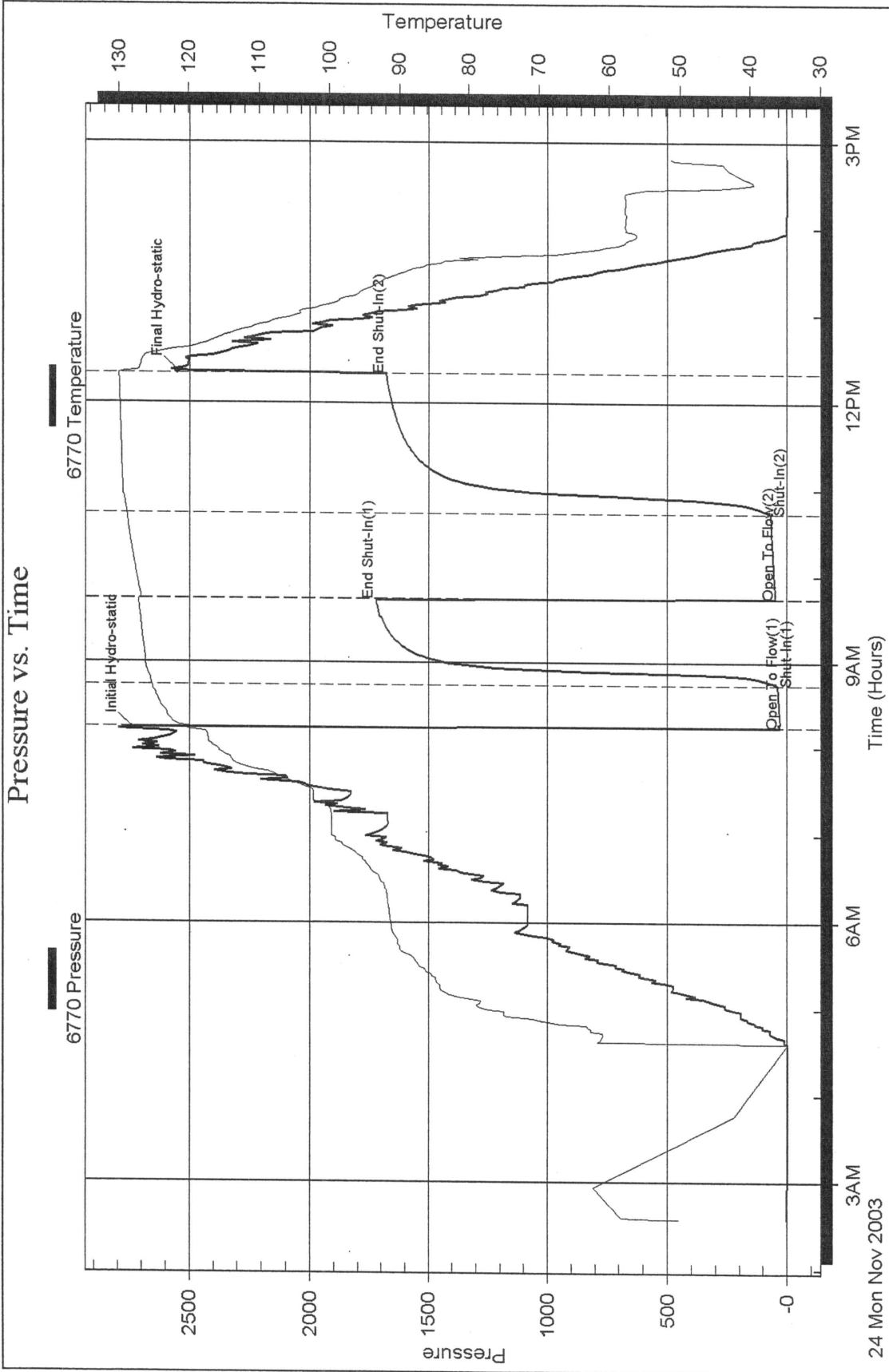
2-32s-17w Comanche K

Woodsey Oper. Co. LLC

Inside

Serial #: 6770

Pressure vs. Time



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