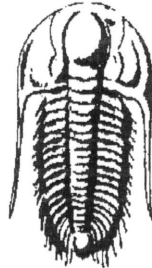


06-33-11W

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 29 2004

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

125 N. Market Ste. 1000
Wichita Ks. 67202

ATTN: Mikeal Maune

6-33s-11w Barber Ks.

Drumm #1

Start Date: 2003.09.28 @ 03:21:04

End Date: 2003.09.28 @ 12:20:19

Job Ticket #: 17901

DST #: 1

15-007-22767-00-00

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

125 N. Market Ste. 1000
Wichita Ks. 67202

ATTN: Mikeal Maune

Drumm #1

6-33s-11w Barber Ks.

Job Ticket: 17901

DST#: 1

Test Start: 2003.09.28 @ 03:21:04

GENERAL INFORMATION:

Formation: **Elgin**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:00:19

Time Test Ended: 12:20:19

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3358.00 ft (KB) To 3445.00 ft (KB) (TVD)**

Total Depth: 3445.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1425.00 ft (KB)

1416.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6770

Inside

Press@RunDepth: 492.83 psig @ 3359.00 ft (KB)

Start Date: 2003.09.28

End Date:

2003.09.28

Start Time: 03:21:05

End Time:

12:20:19

Capacity: 7000.00 psig

Last Calib.: 2003.09.28

Time On Btm: 2003.09.28 @ 05:57:04

Time Off Btm: 2003.09.28 @ 10:03:34

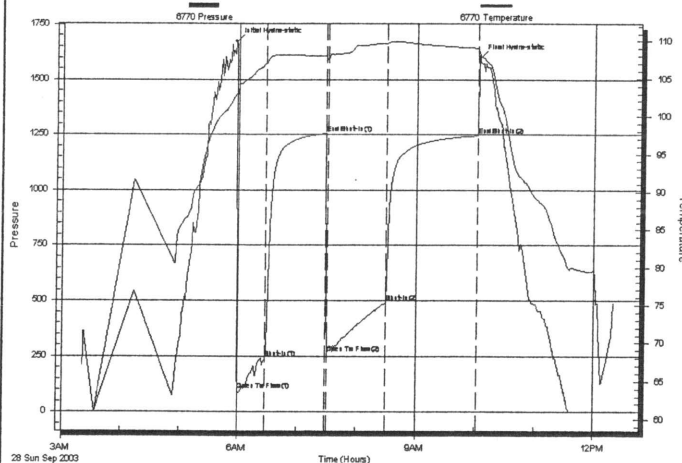
TEST COMMENT: IF: Strong blow . B.O.B. in 20 secs. GTS in 12 mins. (see gas volume report)

IS: Weak blow . 1 - 3".

FF: Strong blow . (see gas volume report)

FS: Fair blow . 2 - 7".

Pressure vs. Time



PRESSURE SUMMARY

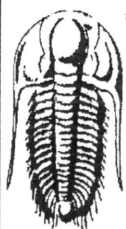
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.39	102.96	Initial Hydro-static
4	95.37	104.24	Open To Flow (1)
31	239.52	107.07	Shut-In (1)
92	1255.02	107.98	End Shut-In (1)
93	262.31	107.52	Open To Flow (2)
153	492.83	109.71	Shut-In (2)
245	1245.85	109.08	End Shut-In (2)
247	1598.45	108.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
640.00	MW Rw .07 ohms @ 70 deg. 5% m 95% w	8.98
180.00	GCWM 20% g 25% w 55% m	2.52
270.00	GCM 22% g 78% m	3.79

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	6.00	32.36



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper.Co.LLC

125 N. Market Ste. 1000
Wichita Ks. 67202

ATTN: Mikeal Maune

Drumm #1

6-33s-11w Barber Ks.

Job Ticket: 17901

DST#: 1

Test Start: 2003.09.28 @ 03:21:04

Tool Information

Drill Pipe:	Length: 3344.00 ft	Diameter: 3.80 inches	Volume: 46.91 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: 59000.00 lb
			Total Volume: 46.91 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3358.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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CONSERVATION DIVISION
WICHITA, KS

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3332.00	
Shut In Tool	5.00			3337.00	
Hydraulic tool	5.00			3342.00	
Jars	5.00			3347.00	
Safety Joint	2.00			3349.00	
Packer	4.00			3353.00	27.00 Bottom Of Top Packer
Packer	5.00			3358.00	
Stubb	1.00			3359.00	
Recorder	0.00	6770	Inside	3359.00	
Perforations	10.00			3369.00	
Change Over Sub	1.00			3370.00	
Blank Spacing	63.00			3433.00	
Change Over Sub	1.00			3434.00	
Perforations	6.00			3440.00	
Recorder	0.00	13222	Outside	3440.00	
Bullnose	5.00			3445.00	87.00 Bottom Packers & Anchor
Total Tool Length:	114.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

Drumm #1

125 N. Market Ste. 1000
Wichita Ks. 67202

6-33s-11w Barber Ks.

Job Ticket: 17901

DST#: 1

ATTN: Mikeal Maune

Test Start: 2003.09.28 @ 03:21:04

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: 126000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
640.00	MW Rw .07 ohms @ 70 deg. 5% m 95% w	8.978
180.00	GCWM 20% g 25% w 55% m	2.525
270.00	GCM 22% g 78% m	3.787

Total Length: 1090.00 ft

Total Volume: 15.290 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

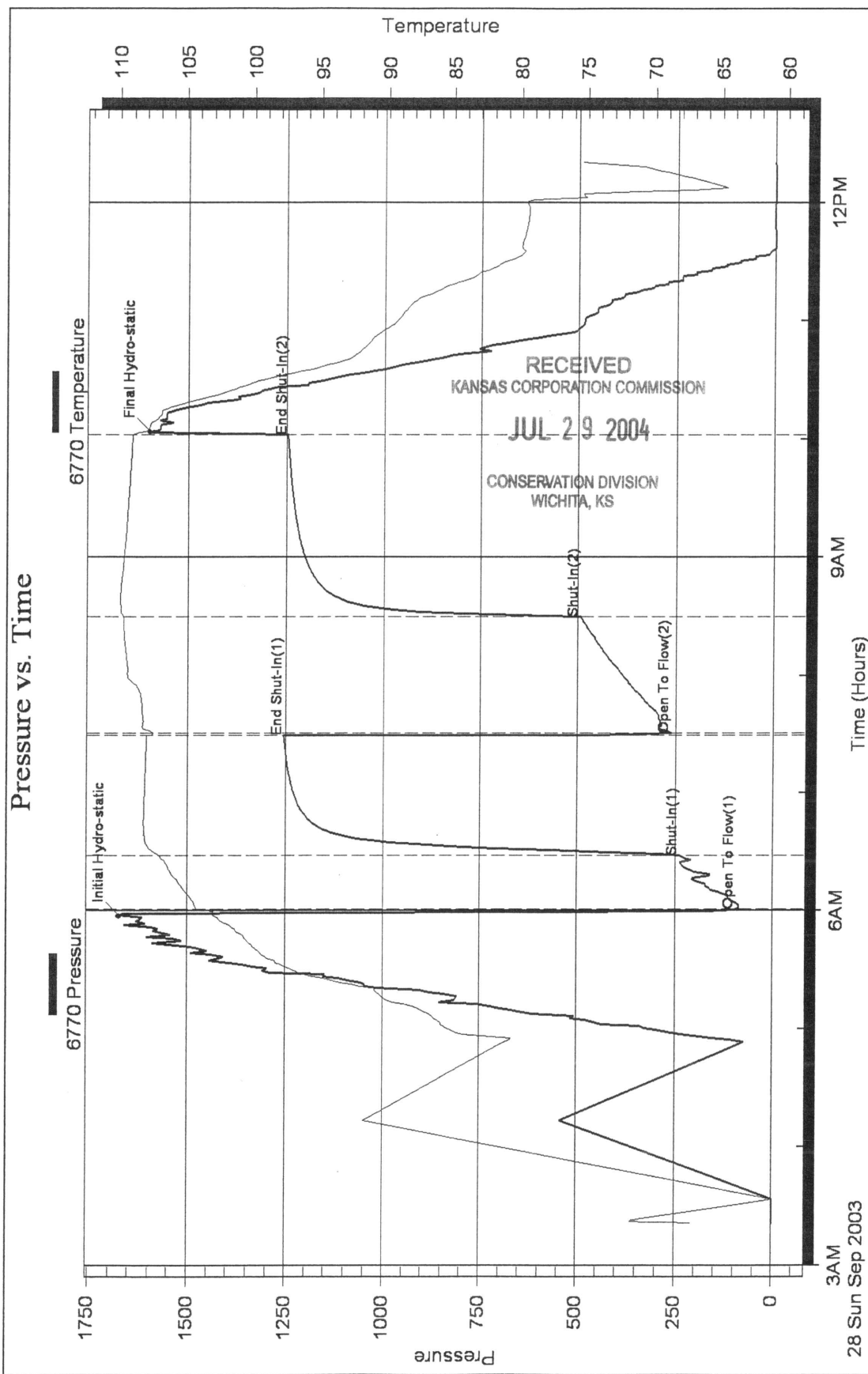
Serial #: 6770

Inside

6-33s-11w Barber Ks.

Woodsey Oper.Co.LLC

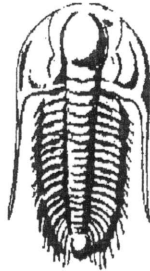
DST Test Number: 1



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JUL 29 2004

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

125 N. Market Ste. 1000
Wichita Ks. 67202

ATTN: Mikeal Maune

6-33s-11w Barber Ks.

Drumm #1

Start Date: 2003.09.29 @ 00:47:55

End Date: 2003.09.29 @ 09:58:25

Job Ticket #: 17902 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

125 N. Market Ste. 1000
Wichita Ks. 67202

ATTN: Mikeal Maune

Drumm #1

6-33s-11w Barber Ks.

Job Ticket: 17902

DST#: 2

Test Start: 2003.09.29 @ 00:47:55

GENERAL INFORMATION:

Formation: **Snyderville**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:05:55

Time Test Ended: 09:58:25

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3552.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Total Depth: 3600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1425.00 ft (KB)

1416.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **6770**

Inside

Press@RunDepth: 62.15 psig @ 3553.00 ft (KB)

Start Date: 2003.09.29

End Date:

2003.09.29

Capacity: 7000.00 psig

Last Calib.: 2003.09.29

Start Time: 00:47:56

End Time:

09:58:25

Time On Btm: 2003.09.29 @ 03:02:55

Time Off Btm: 2003.09.29 @ 07:42:25

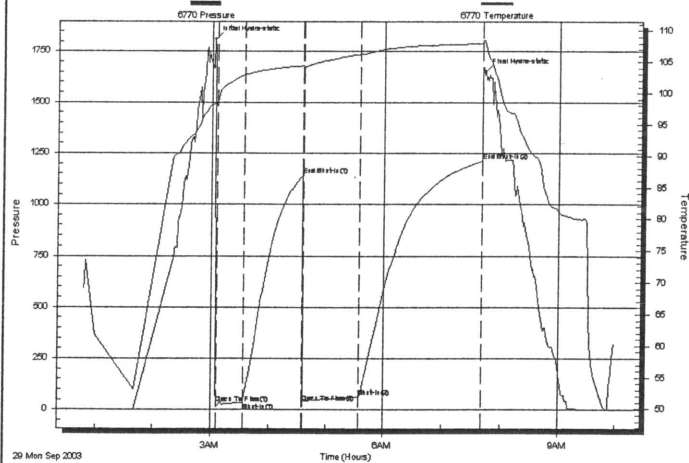
TEST COMMENT: IF: Strong blow . B.O.B. in 20 secs.

IS: No blow .

FF: Strong blow . B.O.B. immediately. GTS in 59 mins

FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.91	98.34	Initial Hydro-static
3	30.45	98.66	Open To Flow (1)
31	36.65	102.91	Shut-In(1)
92	1141.07	104.39	End Shut-In(1)
93	36.66	104.14	Open To Flow (2)
152	62.15	106.21	Shut-In(2)
278	1211.33	107.92	End Shut-In(2)
280	1650.72	108.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	SOCM 1%0 99%m	1.82

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

125 N. Market Ste. 1000
Wichita Ks. 67202

ATTN: Mikeal Maune

Drumm #1

6-33s-11w Barber Ks.

Job Ticket: 17902

DST#: 2

Test Start: 2003.09.29 @ 00:47:55

Tool Information

Drill Pipe:	Length: 3534.00 ft	Diameter: 3.80 inches	Volume: 49.57 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: 50000.00 lb
			Total Volume: 49.57 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3552.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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CONSERVATION DIVISION
WICHITA, KS

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3526.00	
Shut In Tool	5.00			3531.00	
Hydraulic tool	5.00			3536.00	
Jars	5.00			3541.00	
Safety Joint	2.00			3543.00	
Packer	4.00			3547.00	27.00 Bottom Of Top Packer
Packer	5.00			3552.00	
Stubb	1.00			3553.00	
Recorder	0.00	6770	Inside	3553.00	
Perforations	3.00			3556.00	
Change Over Sub	1.00			3557.00	
Blank Spacing	32.00			3589.00	
Change Over Sub	1.00			3590.00	
Perforations	5.00			3595.00	
Recorder	0.00	13222	Outside	3595.00	
Bullnose	5.00			3600.00	48.00 Bottom Packers & Anchor
Total Tool Length:		75.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

Drumm #1

125 N. Market Ste. 1000
Wichita Ks. 67202

6-33s-11w Barber Ks.

Job Ticket: 17902

DST#: 2

ATTN: Mikeal Maune

Test Start: 2003.09.29 @ 00:47:55

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:

12000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	SOCM 1%0 99%m	1.824

Total Length: 130.00 ft

Total Volume: 1.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6770

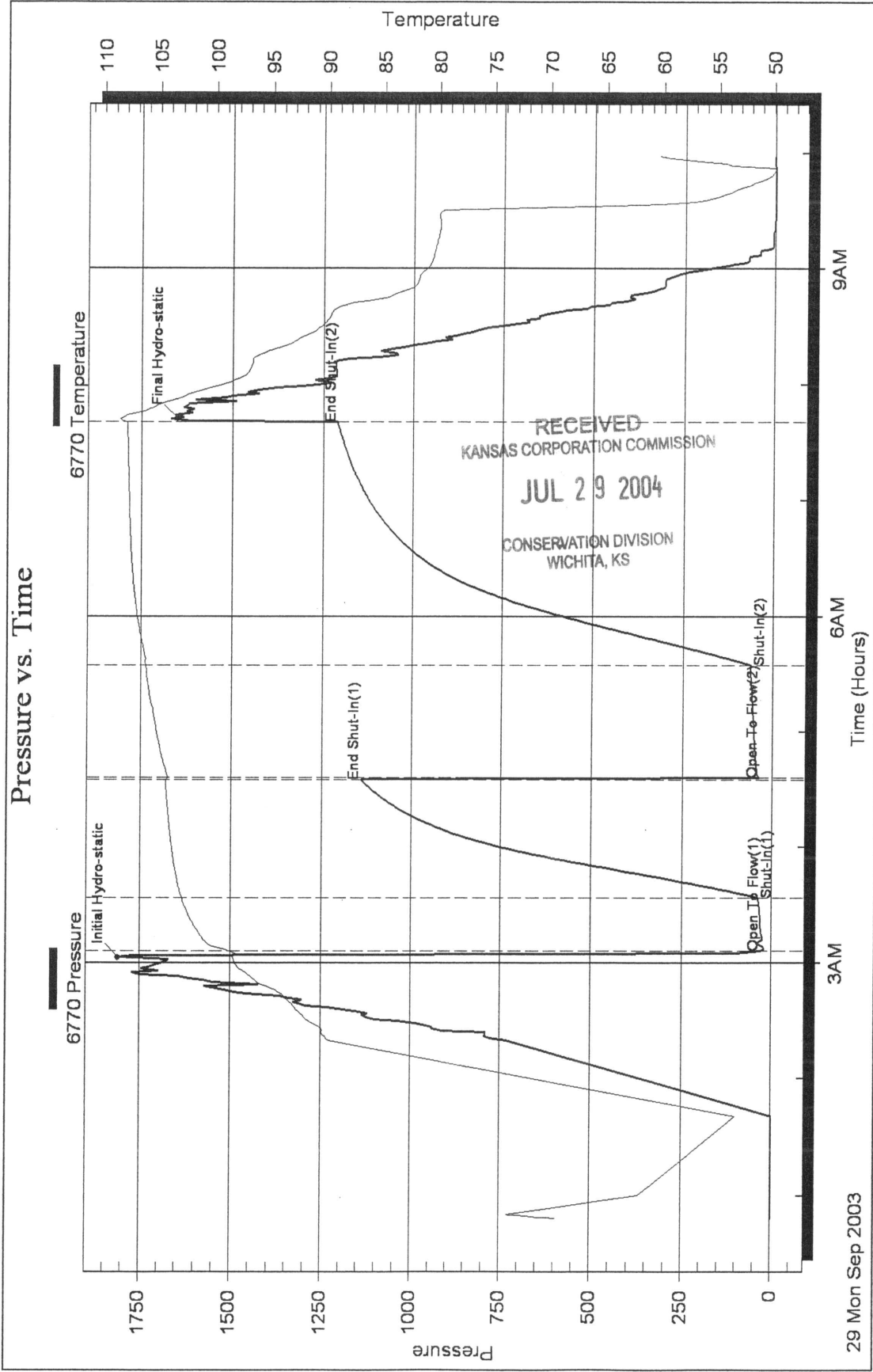
Inside

Woodsey Oper.Co.LLC

6-33s-11w Barber Ks.

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 17902

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