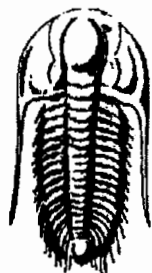


15-033-21457



**TRILOBITE
TESTING, INC.**

KCC
JUN 16 2006
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co., LLC**

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Curtis Covey

17-35s-16w

McMoran "A" #4

Start Date: 2006.03.01 @ 13:41:09

End Date: 2006.03.02 @ 00:18:39

Job Ticket #: 24376 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 16 2006

CONSERVATION DIVISION
WICHITA, KS

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 Operating Co., LLC

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Curtis Covey

McMoran "A" #4

17-35s-16w

Job Ticket: 24376

DST#: 1

Test Start: 2006.03.01 @ 13:41:09

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:39:54

Time Test Ended: 00:18:39

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 36

Interval: 5365.00 ft (KB) To 5441.00 ft (KB) (TVD)

Total Depth: 5441.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1977.00 ft (KB)

1966.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6799

Inside

Press@RunDepth: 49.11 psig @ 5372.00 ft (KB)

Start Date: 2006.03.01

End Date:

2006.03.02

Start Time: 13:41:14

End Time:

00:18:39

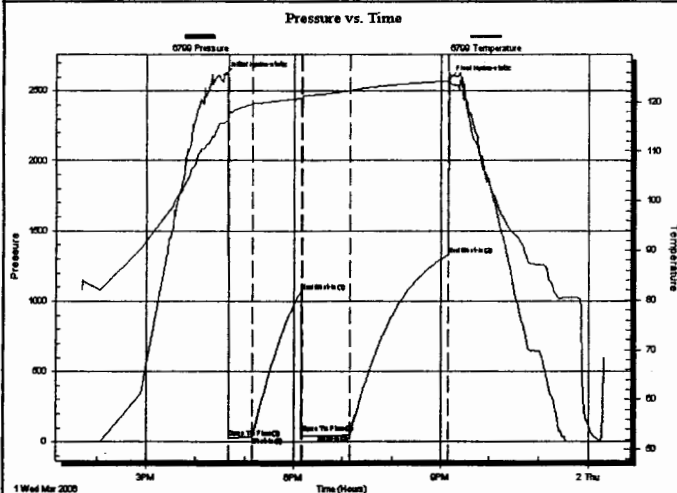
Capacity: 7000.00 psig

Last Calib.: 2006.03.02

Time On Btm: 2006.03.01 @ 16:34:54

Time Off Btm: 2006.03.01 @ 21:10:39

TEST COMMENT: IF: Strong blow. BOB 1 min.
IS: Bled off. No blow back.
FF: Strong blow. BOB immediately.
FS: While bleeding off had GTS. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2613.41	115.79	Initial Hydro-static
5	30.67	117.45	Open To Flow (1)
34	35.92	119.61	Shut-In(1)
95	1071.82	120.74	End Shut-In(1)
95	64.07	120.32	Open To Flow (2)
154	49.11	122.22	Shut-In(2)
275	1328.43	124.28	End Shut-In(2)
276	2583.90	125.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	GCM 2%g 98%rn	0.82
0.00	Gas in all fluid free 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 Operating Co., LLC

McMoran "A" #4

125 N Market Ste 1000
Wichita, KS 67202

17-35s-16w

Job Ticket: 24376

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.03.01 @ 13:41:09

Tool Information

Drill Pipe:	Length: 5355.00 ft	Diameter: 3.25 inches	Volume: 54.95 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 54.95 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	5365.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	104.00 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	
Change Over Sub	1.00			5338.00		
Shut In Tool	5.00			5343.00		
Hydraulic tool	5.00			5348.00		
Jars	5.00			5353.00		
Safety Joint	2.00			5355.00		
Packer	5.00			5360.00	28.00	Bottom Of Top Packer
Packer	5.00			5365.00		
Stubb	1.00			5366.00		
Perforations	5.00			5371.00		
Change Over Sub	1.00			5372.00		
Recorder	0.00	6799	Inside	5372.00		
Blank Spacing	31.00			5403.00		
Change Over Sub	1.00			5404.00		
Perforations	34.00			5438.00		
Recorder	0.00	13400	Outside	5438.00		
Bullnose	3.00			5441.00	76.00	Bottom Packers & Anchor
Total Tool Length:	104.00					



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co., LLC

McMoran "A" #4

125 N Market Ste 1000
Wichita, KS 67202

17-35s-16w

Job Ticket: 24376

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.03.01 @ 13:41:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	GCM 2%g 98%w	0.821
0.00	Gas in all fluid free pipe.	0.000

Total Length: 80.00 ft Total Volume: 0.821 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

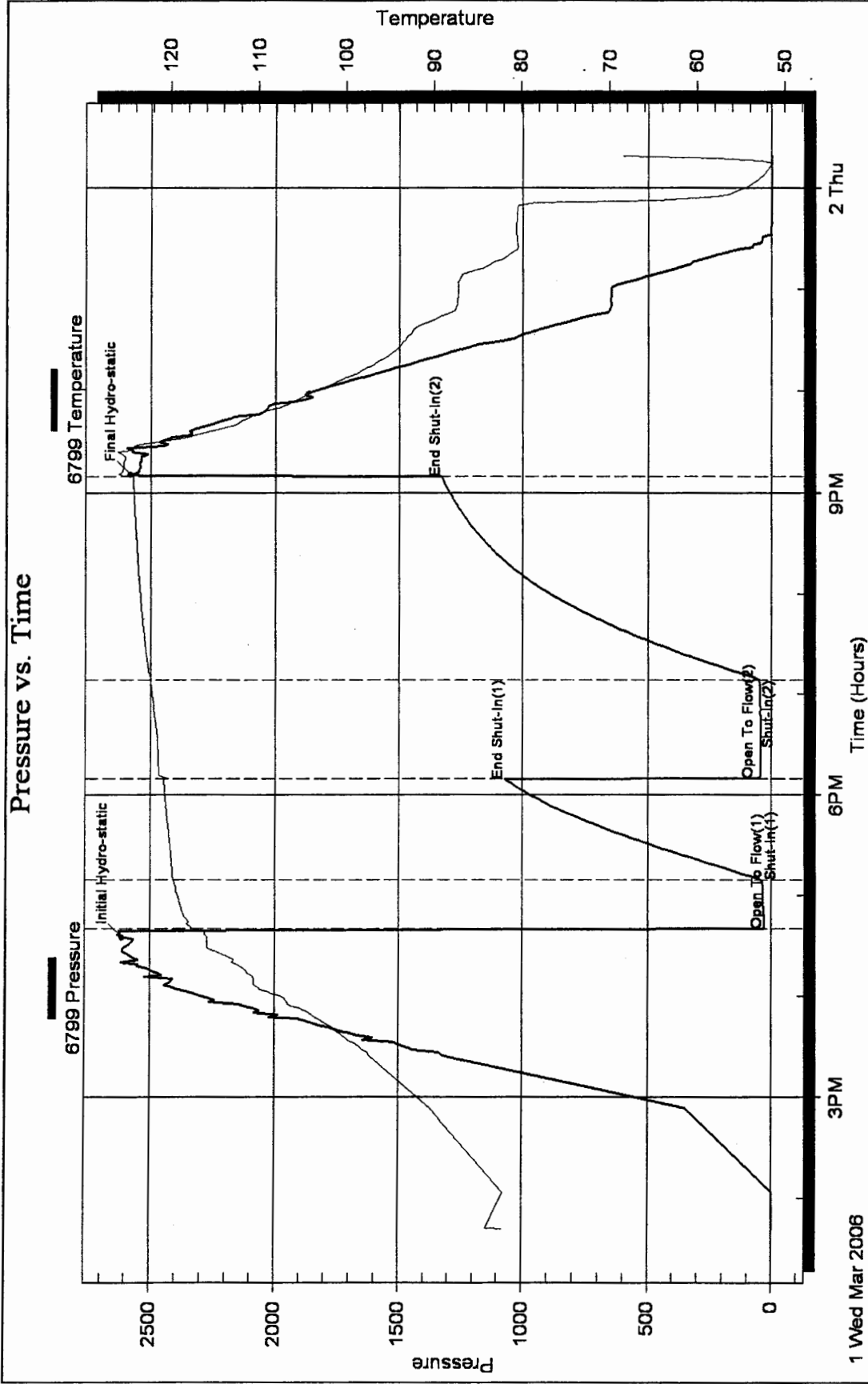
Inside

Woodsey Operating Co., LLC

17-35s-16w

DST Test Number: 1

Pressure vs. Time

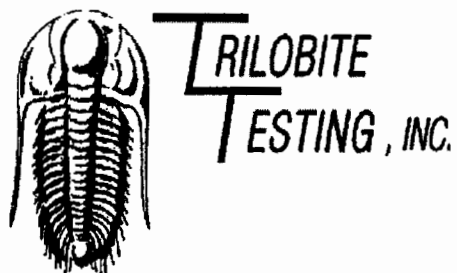


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Trilobite Testing, Inc

Ref. No: 24376

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KCC
JUN 16 2006
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co., LLC**

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Curtis Covey

17-35s-16w

McMoran "A" #4

Start Date: 2006.03.02 @ 17:06:26

End Date: 2006.03.03 @ 17:44:11

Job Ticket #: 24377 DST #: 2

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



Woolsey Operating Co., LLC

ATTN: Curtis Covey

McMoran "A" #4

17-35s-16w

Job Ticket: 24377

DST#: 2

Test Start: 2006.03.02 @ 17:06:26

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:11:56

Time Test Ended: 17:44:11

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 36

Interval: 5446.00 ft (KB) To 5530.00 ft (KB) (TVD)

Total Depth: 5441.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1977.00 ft (KB)

1966.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: 100.07 psig @ 5450.00 ft (KB)

Start Date: 2006.03.02

End Date:

2006.03.03

Start Time: 17:06:31

End Time:

17:44:10

Capacity: 7000.00 psig

Last Calib.: 2006.03.03

Time On Btm: 2006.03.02 @ 20:06:26

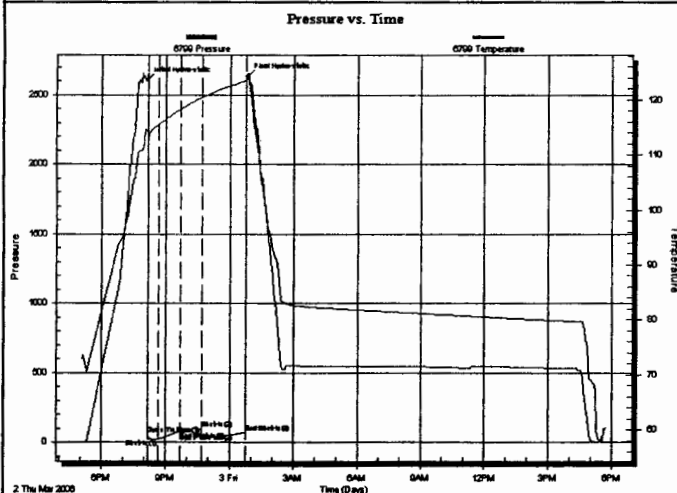
Time Off Btmr 2006.03.03 @ 00:46:56

TEST COMMENT: F: Weak blow that slowly increased to 1 1/2 inches.

1st: Bled off. No blow back.

FF: No blow .

FSI: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2600.96	114.62	Initial Hydro-static
6	59.72	112.57	Open To Flow (1)
35	24.25	115.55	Shut-In(1)
96	80.89	118.32	End Shut-In(1)
97	62.50	118.33	Open To Flow (2)
156	100.07	120.45	Shut-In(2)
279	73.99	123.49	End Shut-In(2)
281	2630.63	124.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	SI GCM 1%g 99%r	0.26

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co., LLC

McMoran "A" #4

125 N Market Ste 1000
Wichita, KS 67202

17-35s-16w

Job Ticket: 24377

DST#: 2

ATTN: Curtis Covey

Test Start: 2006.03.02 @ 17:06:26

Tool Information

Drill Pipe:	Length: 5449.00 ft	Diameter: 3.25 inches	Volume: 55.91 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 55.91 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5446.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	112.00 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
Change Over Sub	1.00			5419.00	
Shut In Tool	5.00			5424.00	
Hydraulic tool	5.00			5429.00	
Jars	5.00			5434.00	
Safety Joint	2.00			5436.00	
Packer	5.00			5441.00	28.00 Bottom Of Top Packer
Packer	5.00			5446.00	
Stubb	1.00			5447.00	
Perforations	2.00			5449.00	
Change Over Sub	1.00			5450.00	
Recorder	0.00	6799	Inside	5450.00	
Blank Spacing	62.00			5512.00	
Change Over Sub	1.00			5513.00	
Perforations	14.00			5527.00	
Recorder	0.00	13400	Outside	5527.00	
Bullnose	3.00			5530.00	84.00 Bottom Packers & Anchor
Total Tool Length:		112.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co., LLC

McMoran "A" #4

125 N Market Ste 1000
Wichita, KS 67202

17-35s-16w

Job Ticket: 24377

DST#: 2

ATTN: Curtis Covey

Test Start: 2006.03.02 @ 17:06:26

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	SI GCM 1%g 99%m	0.257

Total Length: 25.00 ft Total Volume: 0.257 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

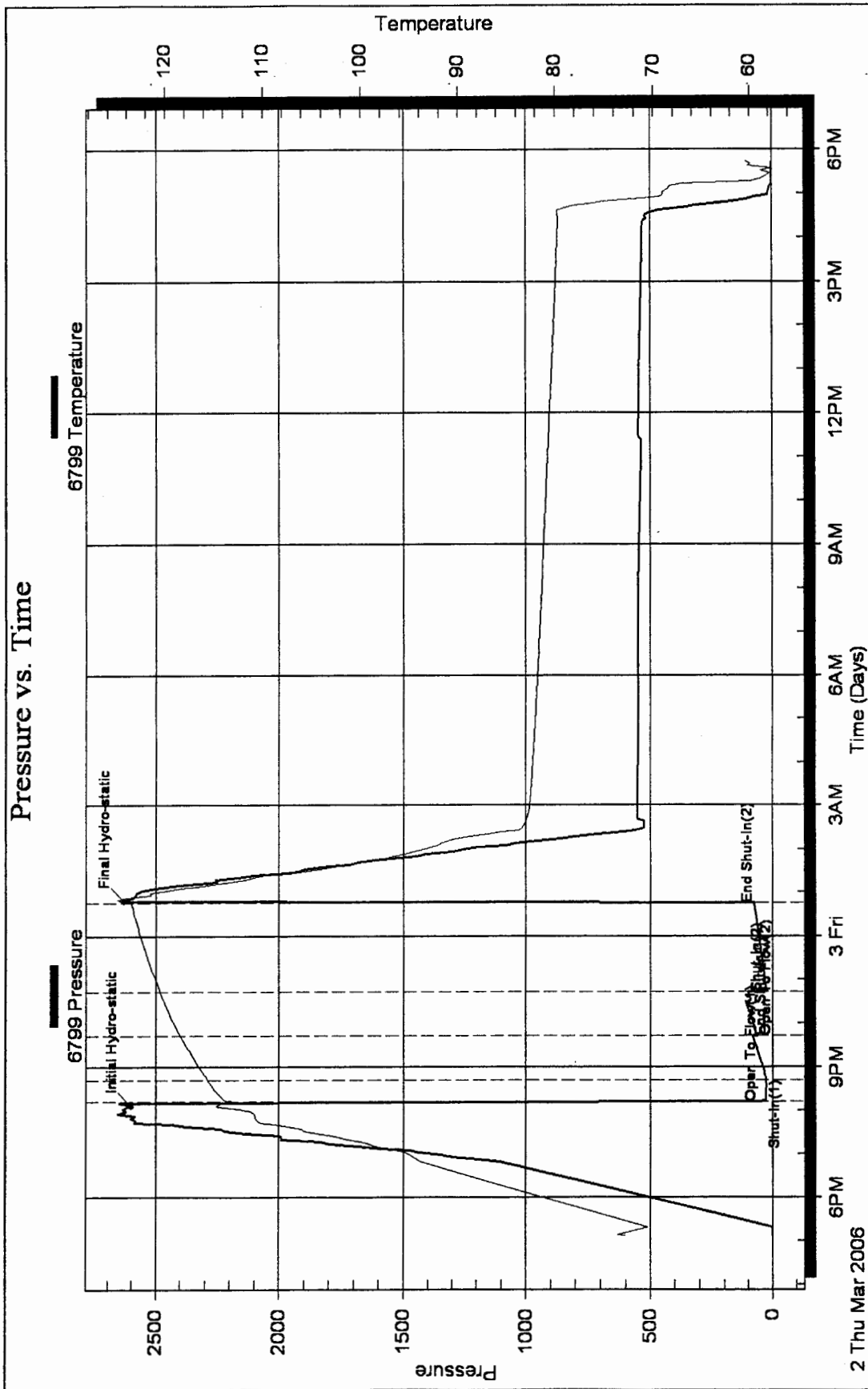
Serial #: 6799

Inside

Woodsey Operating Co., LLC

17-35s-16w

DST Test Number: 2



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Trilobite Testing, Inc

Ref. No: 24377

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