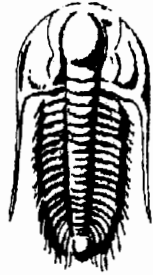


2-34s-11w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating CO LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

02 34 11W Barber KS

Circle #2

Start Date: 2006.10.25 @ 17:00:44

End Date: 2006.10.26 @ 06:15:59

Job Ticket #: 25790 DST #: 1

15-007-23063

SE SE

1400 FSL 1325 FEL

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Woolsey Operating CO LLC

Circle #2

4 34 11W Barber KS

DST # 1

Miss.

2006.10.25

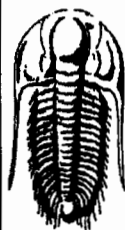
Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2006.10.31 @ 11:40:40 Page 1

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating CO LLC

Circle #2

125 N Market Ste 1000
Wichita KS 67202

4 34 11W Barber KS

Job Ticket: 25790

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.25 @ 17:00:44

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:26:14

Time Test Ended: 06:15:59

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4536.00 ft (KB) To 4612.00 ft (KB) (TVD)**

Reference Elevations: 1424.00 ft (KB)

Total Depth: 4612.00 ft (KB) (TVD)

1415.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: **6668**

Inside

Press@RunDepth: 510.97 psig @ 4542.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.25

End Date: 2006.10.26

Last Calib.: 2006.10.26

Start Time: 17:00:49

End Time: 06:15:59

Time On Btm: 2006.10.25 @ 20:56:14

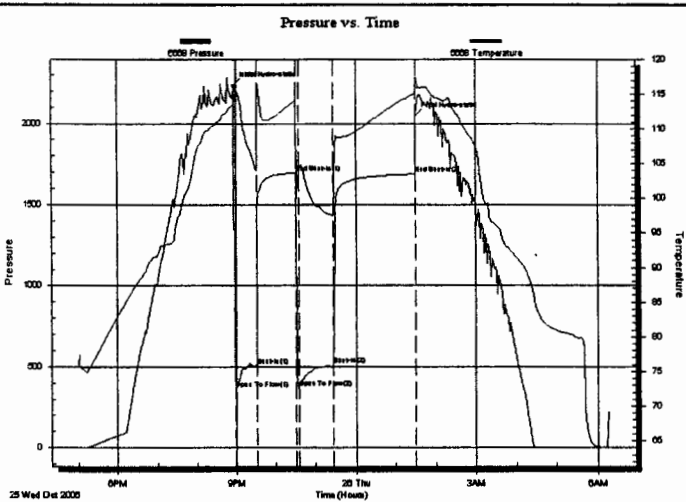
Time Off Btm: 2006.10.26 @ 01:28:58

TEST COMMENT: FF Strong blow BOB Immediately GTS in 4 mins. (See Gas Report)

ISI Bled off for 45 mins. No blow.

FF Strong blow Building to 50 psi. (See Gas Report)

FSI Bled off Weak blow Building to 1 1/2 " in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.57	113.63	Initial Hydro-static
3	364.44	115.09	Open To Flow (1)
35	506.93	104.02	Shut-In(1)
95	1696.89	114.13	End Shut-In(1)
99	368.38	103.45	Open To Flow (2)
151	510.97	97.61	Shut-In(2)
273	1688.32	115.10	End Shut-In(2)
273	2045.45	115.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	GM 10%G 90%M	1.18
60.00	GM w /scum of Oil 10%G 90%O	0.53

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	25.00	1132.70
Last Gas Rate	1.00	50.00	1851.42
Max. Gas Rate	1.00	54.00	1966.42



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating CO LLC

Circle #2

125 N Market Ste 1000
Wichita KS 67202

4 34 11W Barber KS

Job Ticket: 25790

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.25 @ 17:00:44

Tool Information

Drill Pipe:	Length: 4245.00 ft	Diameter: 3.80 inches	Volume: 59.55 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: 274.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 58000.00 lb
			Total Volume: 60.90 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4536.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4513.00	
Hydraulic tool	5.00			4518.00	
Jars	5.00			4523.00	
Safety Joint	3.00			4526.00	
Packer	5.00			4531.00	28.00 Bottom Of Top Packer
Packer	5.00			4536.00	
Perforations	5.00			4541.00	
Change Over Sub	1.00			4542.00	
Recorder	0.00	6668	Inside	4542.00	
Blank Spacing	62.00			4604.00	
Change Over Sub	1.00			4605.00	
Perforations	3.00			4608.00	
Recorder	0.00	13266	Outside	4608.00	
Bullnose	3.00			4611.00	75.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating CO LLC

Circle #2

125 N Market Ste 1000
Wichita KS 67202

4 34 11W Barber KS

Job Ticket: 25790

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.25 @ 17:00:44

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: 7.98 in ³	Gas Cushion Type:		
Resistivity: 4500.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	GM 10%G 90%M	1.180
60.00	GM w/scum of Oil 10%G 90%O	0.532

Total Length: 300.00 ft Total Volume: 1.712 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating CO LLC

Circle #2

125 N Market Ste 1000
Wichita KS 67202

4 34 11W Barber KS

Job Ticket: 25790

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.25 @ 17:00:44

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 ³ /d)
1	5	1.00	25.00	1132.70
1	10	1.00	40.00	1563.94
1	15	1.00	54.00	1966.42
1	20	1.00	54.00	1966.42
1	25	1.00	54.00	1966.42
1	30	1.00	54.00	1966.42
2	5	1.00	30.00	1276.45
2	10	1.00	50.00	1851.42
2	15	1.00	50.00	1851.42
2	20	1.00	50.00	1851.42
2	25	1.00	50.00	1851.42
2	30	1.00	50.00	1851.42
2	35	1.00	50.00	1851.42
2	40	1.00	50.00	1851.42
2	45	1.00	50.00	1851.42
2	50	1.00	50.00	1851.42
2	55	1.00	50.00	1851.42
2	60	1.00	50.00	1851.42

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DST Test Number: 1

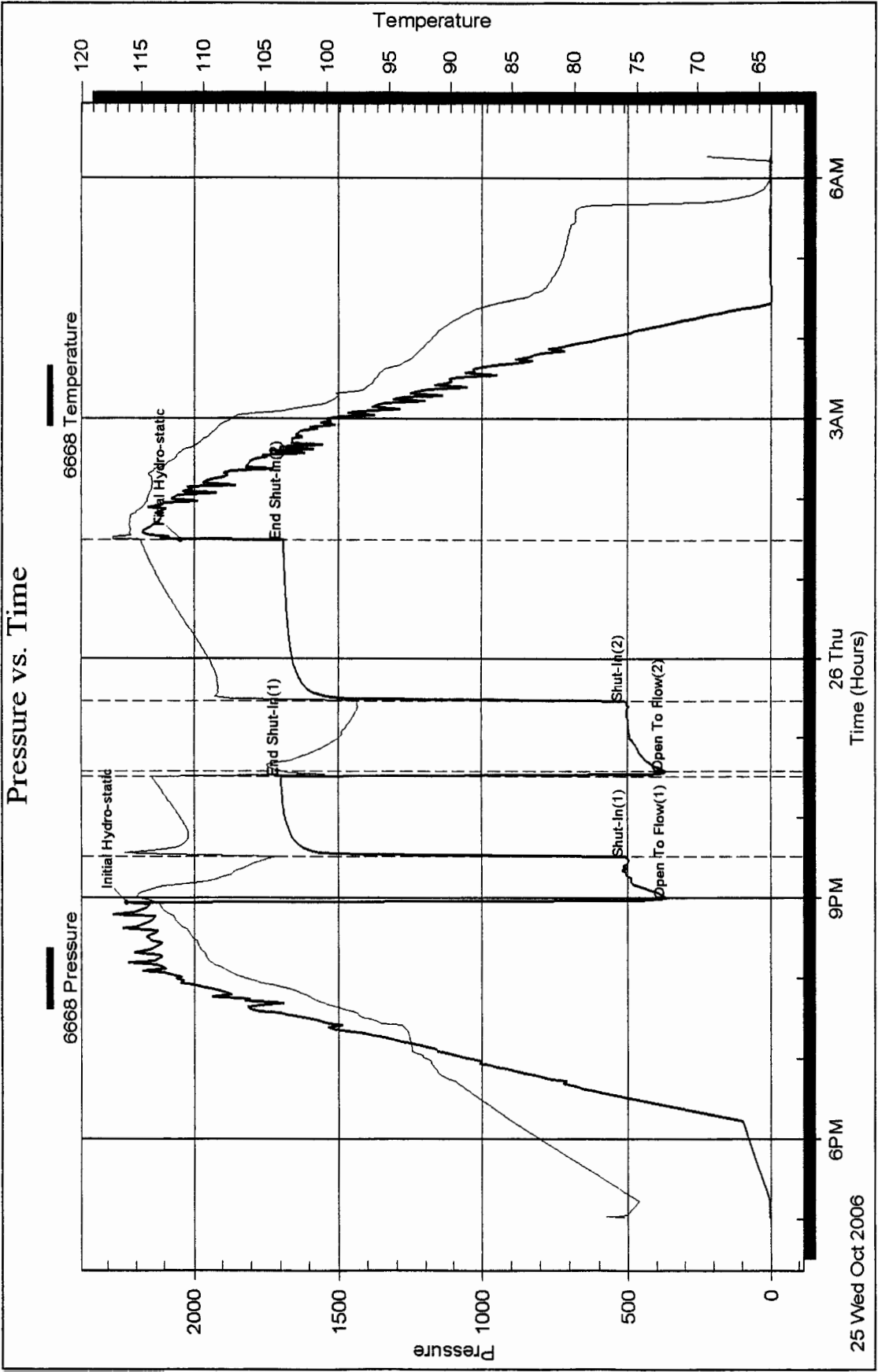
4 34 11W Barber KS

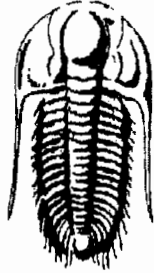
Woolsey Operating CO LLC

Inside

Serial #: 6668

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating CO LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

4 34 11W Barber KS

Circle #2

Start Date: 2006.10.26 @ 19:20:47

End Date: 2006.10.27 @ 11:31:47

Job Ticket #: 25791 DST #: 2

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

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WICHITA KS

Woolsey Operating CO LLC

Circle #2

4 34 11W Barber KS

DST # 2

Miss.

2006.10.26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating CO LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Curtis Covey

Circle #2

4 34 11W Barber KS

Job Ticket: 25791

DST#: 2

Test Start: 2006.10.26 @ 19:20:47

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:07:02

Time Test Ended: 11:31:47

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4620.00 ft (KB) To 4660.00 ft (KB) (TVD)**

Total Depth: 4660.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1424.00 ft (KB)

1415.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **6668** Inside

Press@RunDepth: 43.79 psig @ 4620.00 ft (KB)

Start Date: 2006.10.26

End Date: 2006.10.27

Start Time: 19:20:52

End Time: 11:31:47

Capacity: 7000.00 psig

Last Calib.: 2006.10.27

Time On Btm: 2006.10.27 @ 00:06:01

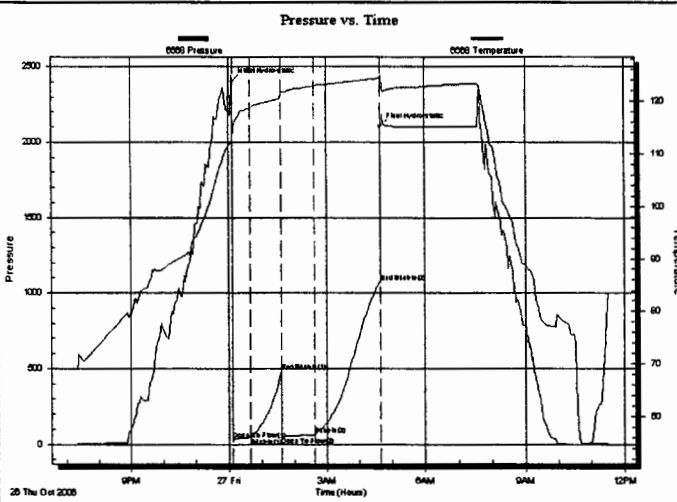
Time Off Btm: 2006.10.27 @ 04:38:47

TEST COMMENT: IF Weak blow Building to 9" in 30 mins.

ISI Bled off No blow back

FF Weak blow BOB in 40 mins.

FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2400.91	112.47	Initial Hydro-static
2	29.79	112.61	Open To Flow (1)
34	43.79	118.55	Shut-In(1)
90	478.42	120.50	End Shut-In(1)
91	46.64	121.49	Open To Flow(2)
152	61.40	122.85	Shut-In(2)
273	1071.81	124.29	End Shut-In(2)
273	2102.84	124.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100%M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating CO LLC

Circle #2

125 N Market Ste 1000
Wichita KS 67202

4 34 11W Barber KS

Job Ticket: 25791

DST#: 2

ATTN: Curtis Covey

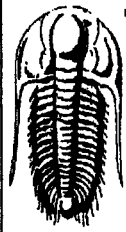
Test Start: 2006.10.26 @ 19:20:47

Tool Information

Drill Pipe:	Length: 4333.00 ft	Diameter: 3.80 inches	Volume: 60.78 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: 274.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	58000.00 lb
			Total Volume: 62.13 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	4620.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4597.00	
Hydraulic tool	5.00			4602.00	
Jars	5.00			4607.00	
Safety Joint	3.00			4610.00	
Packer	5.00			4615.00	28.00 Bottom Of Top Packer
Packer	5.00			4620.00	
Recorder	0.00	6668	Inside	4620.00	
Perforations	37.00			4657.00	
Recorder	0.00	13266	Outside	4657.00	
Bullnose	3.00			4660.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				

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**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating CO LLC

Circle #2

125 N Market Ste 1000
Wichita KS 67202

4 34 11W Barber KS

Job Ticket: 25791

DST#: 2

ATTN: Curtis Covey

Test Start: 2006.10.26 @ 19:20:47

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: 74.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	100%M	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6668

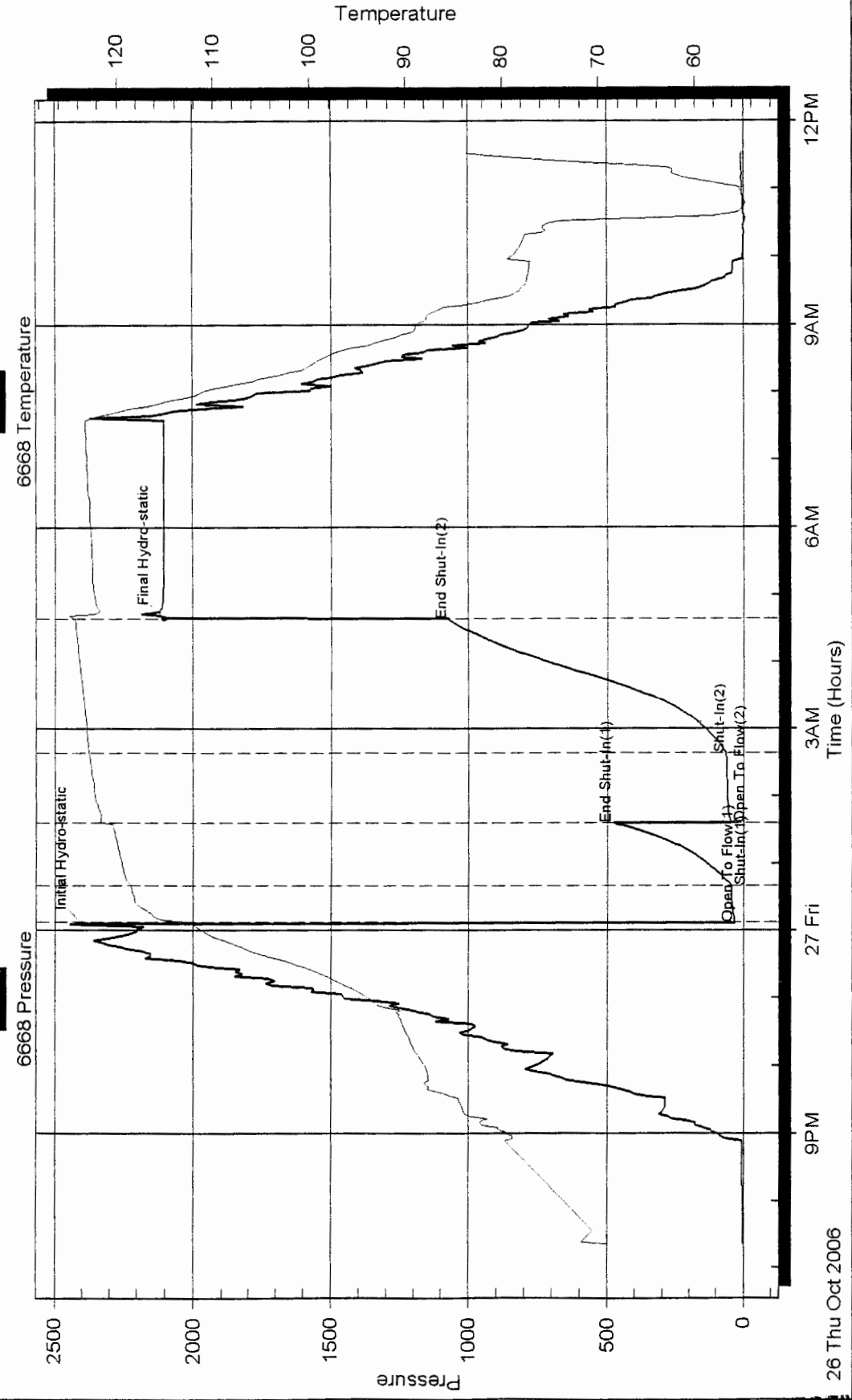
Inside

Woolsey Operating CO LLC

4 34 11W Barber KS

DST Test Number: 2

Pressure vs. Time



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Ref. No: 25791

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