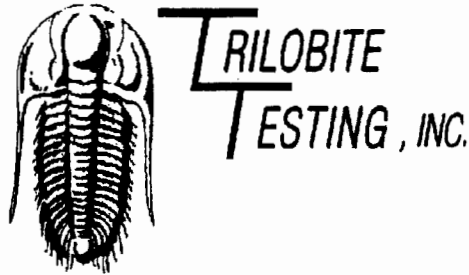


15-097-21604

26-27s-18w



DRILL STEM TEST REPORT

Prepared For: **Lotus Operating CO LLC**

100 S Main Ste 420
Wichita KS 67202

ATTN: Willis Nigh

26 27 18W Kiowa KS

Ikerd Lease Well #1

Start Date: 2006.12.19 @ 16:13:42

End Date: 2006.12.20 @ 07:07:57

Job Ticket #: 27030 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 09 2008

CONSERVATION DIVISION
WICHITA, KS

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

Lotus Operating CO LLC

Ikerd Lease Well #1

26 27 18W Kiowa KS

DST # 1

Mississippi Chert

2006.12.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lotus Operating CO LLC

100 S Main Ste 420
Wichita KS 67202

ATTN: Willis Nigh

Ikerd Lease Well #1

26 27 18W Kiowa KS

Job Ticket: 27030

DST#: 1

Test Start: 2006.12.19 @ 16:13:42

GENERAL INFORMATION:

Formation: **Mississippi Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:23:42

Time Test Ended: 07:07:57

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **4726.00 ft (KB) To 4798.00 ft (KB) (TVD)**

Total Depth: 4798.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2202.00 ft (KB)

2191.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6771**

Inside

Press@RunDepth: 64.96 psig @ 4734.00 ft (KB)

Start Date: 2006.12.19

End Date:

2006.12.20

Capacity: 7000.00 psig

Last Calib.: 2006.12.20

Start Time: 16:13:47

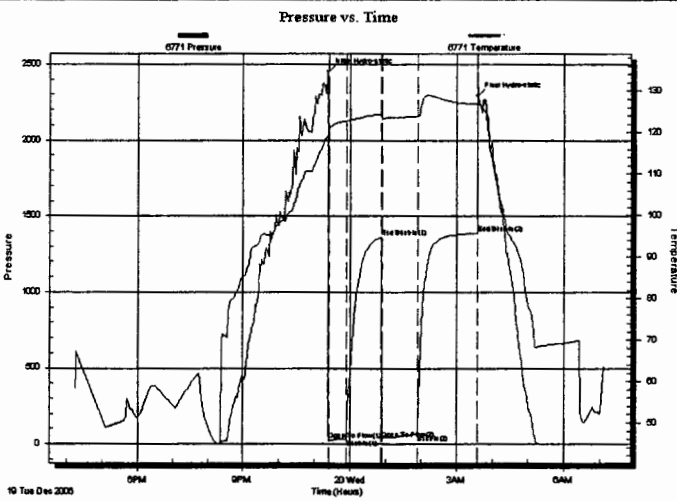
End Time:

07:07:57

Time On Btm: 2006.12.19 @ 23:22:26

Time Off Btm: 2006.12.20 @ 03:34:57

TEST COMMENT: IF Strong blow BOB immediately
 ISI Weak blow Built to 4 in.
 FF Strong blow BOB immediately GTS in 30 min. Gauged 20# on 3/16 choke
 FSI Fair blow through entire shut in



PRESSURE SUMMARY

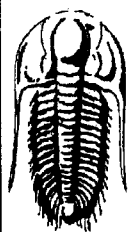
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2449.49	119.26	Initial Hydro-static
2	28.86	119.78	Open To Flow (1)
32	34.39	122.73	Shut-In(1)
91	1362.84	124.37	End Shut-In(1)
92	31.40	123.15	Open To Flow (2)
152	64.96	123.83	Shut-In(2)
253	1386.35	126.74	End Shut-In(2)
253	2290.87	127.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	DRLG MUD	0.98

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	3.00	27.60



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating CO LLC

Ikerd Lease Well #1

100 S Main Ste 420
Wichita KS 67202

26 27 18W Kiowa KS

Job Ticket: 27030 DST#: 1

ATTN: Willis Nigh

Test Start: 2006.12.19 @ 16:13:42

Tool Information

Drill Pipe:	Length: 4721.00 ft	Diameter: 3.80 inches	Volume: 66.22 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	66.22 bbl	Tool Chased: ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4726.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	94.00 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	1.00			4705.00	
Shut In Tool	5.00			4710.00	
Hydraulic tool	5.00			4715.00	
Safety Joint	2.00			4717.00	
Packer	4.00			4721.00	22.00 Bottom Of Top Packer
Packer	5.00			4726.00	
Stubb	1.00			4727.00	
Perforations	7.00			4734.00	
Recorder	0.00	6771	Inside	4734.00	
Change Over Sub	1.00			4735.00	
Blank Spacing	32.00			4767.00	
Change Over Sub	1.00			4768.00	
Perforations	25.00			4793.00	
Recorder	0.00	13789	Outside	4793.00	
Bullnose	5.00			4798.00	72.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating CO LLC

Ikerd Lease Well #1

100 S Main Ste 420
Wichita KS 67202

26 27 18W Kiowa KS

Job Ticket: 27030

DST#: 1

ATTN: Willis Nigh

Test Start: 2006.12.19 @ 16:13:42

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: 8.80 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	DRLG MUD	0.982

Total Length: 70.00 ft Total Volume: 0.982 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

Lotus Operating CO LLC

Ikerd Lease Well #1

100 S Main Ste 420
Wichita KS 67202

26 27 18W Kiowa KS

ATTN: Willis Nigh

Job Ticket: 27030 DST#: 1

Test Start: 2006.12.19 @ 16:13:42

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)
2	10	0.25	1.00	24.43
2	10	0.25	1.00	24.43
2	20	0.25	3.00	27.60

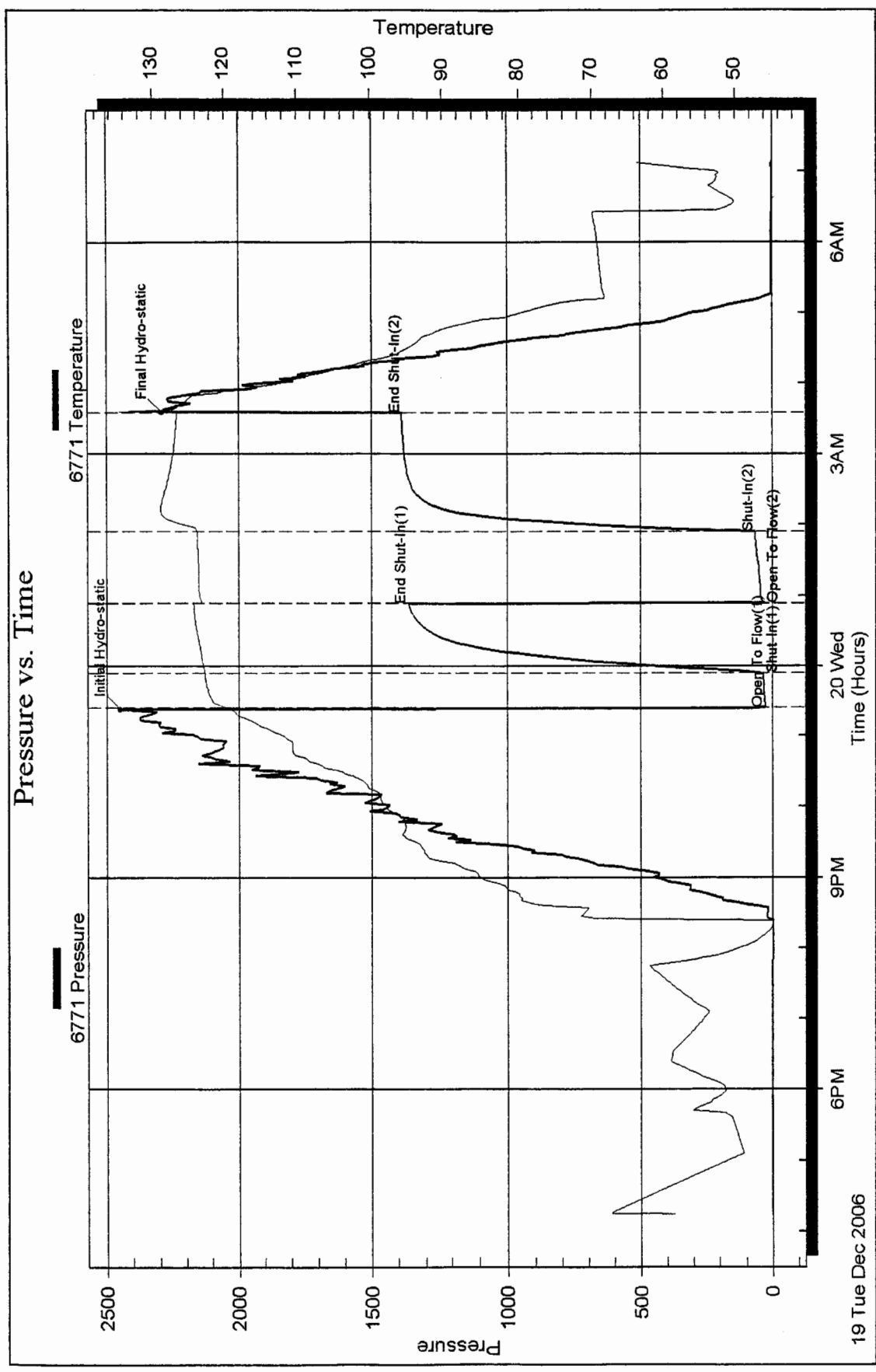
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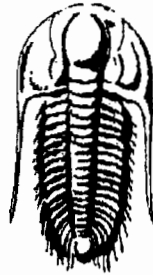
Inside

Lotus Operating CO LLC

26 27 18W Klow a KS

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Lotus Operating CO LLC**

100 S Main Ste 420
Wichita KS 67202

ATTN: Willis Nigh

26 27 18W Kiowa KS

lkerd Lease Well #1

Start Date: 2006.12.20 @ 16:53:06

End Date: 2006.12.21 @ 02:19:36

Job Ticket #: 27031 DST #: 2

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

Lotus Operating CO LLC

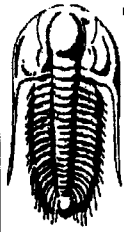
lkerd Lease Well #1

26 27 18W Kiowa KS

DST # 2

Kinderhook

2006.12.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lotus Operating CO LLC

Ikerd Lease Well #1

100 S Main Ste 420
Wichita KS 67202

26 27 18W Kiowa KS

ATTN: Willis Nigh

Job Ticket: 27031

DST#: 2

Test Start: 2006.12.20 @ 16:53:06

GENERAL INFORMATION:

Formation: **Kinderhook**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:00:06

Time Test Ended: 02:19:36

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **4925.00 ft (KB) To 4934.00 ft (KB) (TVD)**

Reference Elevations: 2202.00 ft (KB)

Total Depth: 4934.00 ft (KB) (TVD)

2191.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 24.36 psig @ 4926.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.12.20

End Date:

2006.12.21

Last Calib.: 2006.12.21

Start Time: 16:53:11

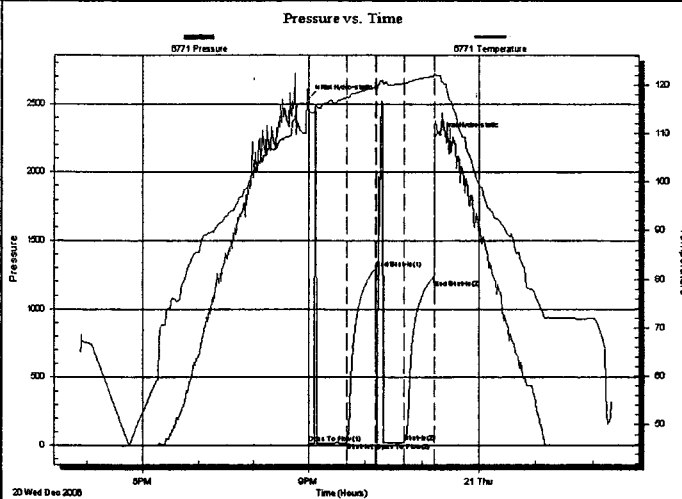
End Time:

02:19:36

Time On Btm: 2006.12.20 @ 20:59:51

Time Off Btm: 2006.12.20 @ 23:13:05

TEST COMMENT: IF Weak surface blow
ISI No blow
FF Flushed tool Weak surface blow.
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2540.12	115.32	Initial Hydro-static
1	18.44	114.60	Open To Flow (1)
42	20.40	117.23	Shut-In(1)
72	1295.62	119.53	End Shut-In(1)
72	20.07	119.27	Open To Flow (2)
102	24.36	120.30	Shut-In(2)
133	1153.17	121.78	End Shut-In(2)
134	2262.68	122.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	DRLG MUD	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating CO LLC

Ikerd Lease Well #1

100 S Main Ste 420
Wichita KS 67202

26 27 18W Kiowa KS

Job Ticket: 27031

DST#: 2

ATTN: Willis Nigh

Test Start: 2006.12.20 @ 16:53:06

Tool Information

Drill Pipe:	Length: 4913.00 ft	Diameter: 3.80 inches	Volume: 68.92 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 68.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4925.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	36.00 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	1.00			4899.00	
Shut In Tool	5.00			4904.00	
Hydraulic tool	5.00			4909.00	
Jars	5.00			4914.00	
Safety Joint	2.00			4916.00	
Packer	4.00			4920.00	27.00 Bottom Of Top Packer
Packer	5.00			4925.00	
Stubb	1.00			4926.00	
Recorder	0.00	6771	Inside	4926.00	
Perforations	3.00			4929.00	
Recorder	0.00	13789	Outside	4929.00	
Bullnose	5.00			4934.00	9.00 Bottom Packers & Anchor

Total Tool Length: 36.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating CO LLC

Ikerd Lease Well #1

100 S Main Ste 420
Wichita KS 67202

26 27 18W Kiowa KS

ATTN: Willis Nigh

Job Ticket: 27031

DST#: 2

Test Start: 2006.12.20 @ 16:53:06

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: 8.80 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	DRLG MJD	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

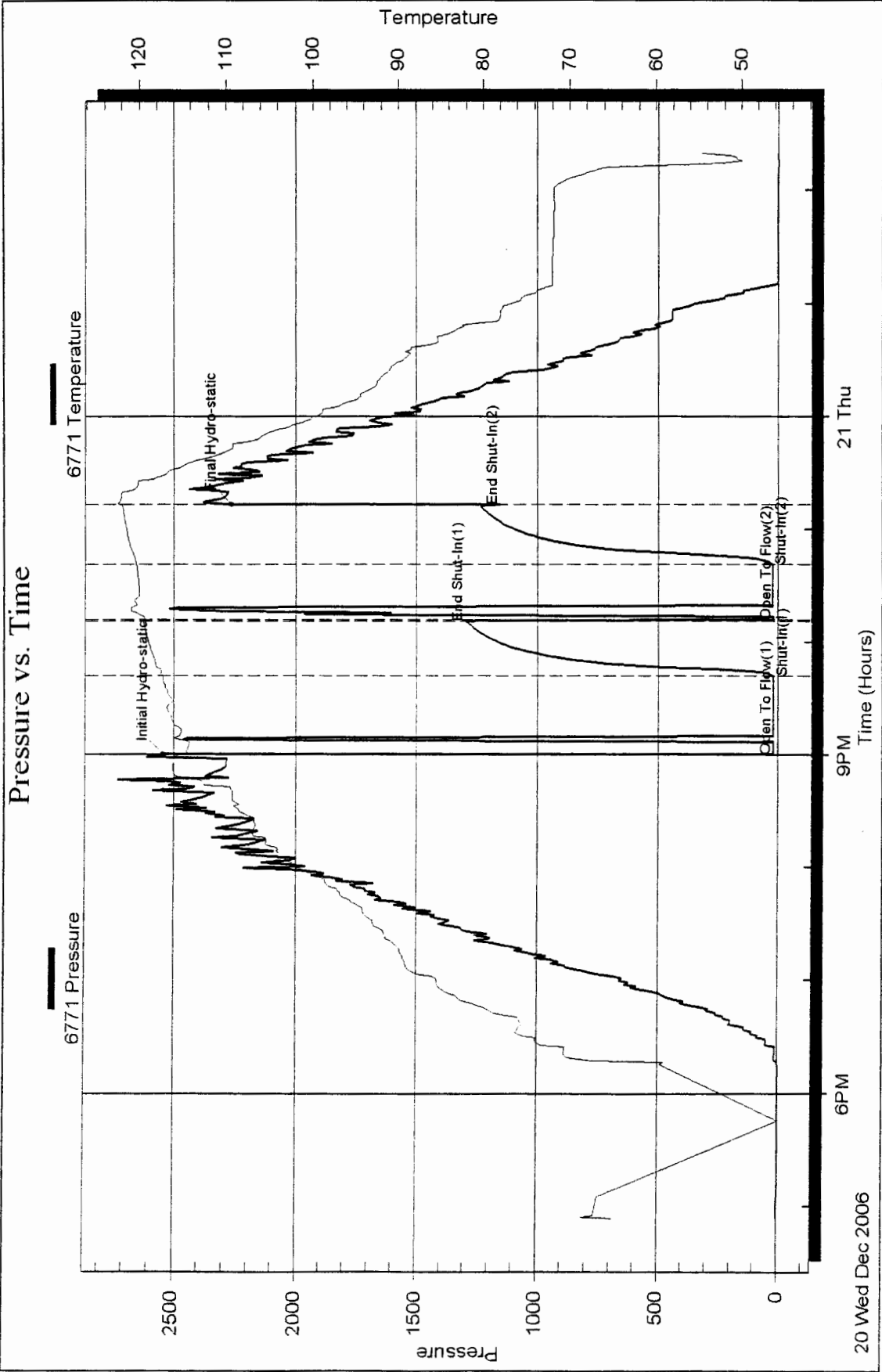
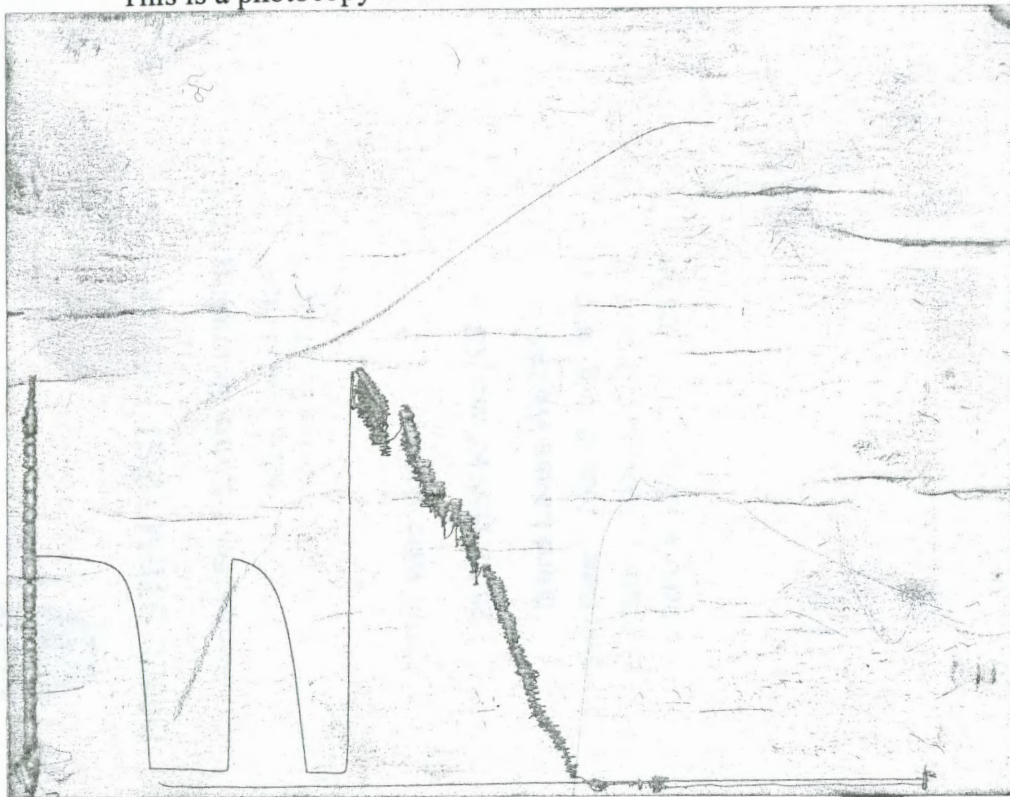


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.



Lotus