



DRILL STEM TEST REPORT

Prepared For: **R P Nixon Oper Inc**

207 W 12th
Hays Ks 67601

ATTN: Dan Nixon

16-14-20-Ellis-Ks

Neely # 3

Start Date: 2005.08.02 @ 17:03:47

End Date: 2005.08.02 @ 22:25:02

Job Ticket #: 22037 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

R P Nixon Oper Inc

Neely # 3

207 W 12th
Hays Ks 67601

16-14-20-Ellis-Ks

Job Ticket: 22037

DST#: 1

ATTN: Dan Nixon

Test Start: 2005.08.02 @ 17:03:47

GENERAL INFORMATION:

Formation: **Reagan Sd**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 19:47:32

Time Test Ended: 22:25:02

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3798.00 ft (KB) To 3863.00 ft (KB) (TVD)**

Total Depth: **3863.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2234.00 ft (KB)**

2224.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6672 Inside

Press@RunDepth: psig @ **3805.00 ft (KB)**

Start Date: **2005.08.02**

End Date: **2005.08.02**

Capacity: **7000.00 psig**

Last Calib.: **2005.08.02**

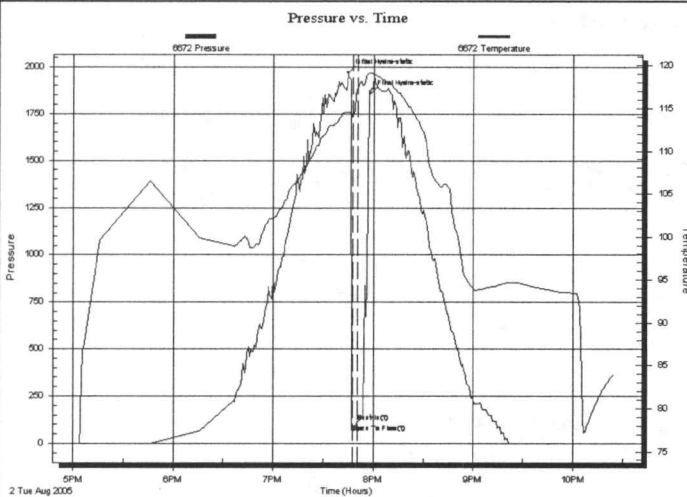
Start Time: **17:03:48**

End Time: **22:25:02**

Time On Btm: **2005.08.02 @ 19:44:32**

Time Off Btm: **2005.08.02 @ 19:57:47**

TEST COMMENT: IF-Mud dropped 10' w hen tool opened - Weak blow building to B-B in 5 min - Lost packer seat after open for 10 min
Time 10-0-0-0



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.80	114.53	Initial Hydro-static
3	57.41	114.10	Open To Flow (1)
6	114.87	117.58	Shut-In(1)
14	1858.50	119.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Silty OCM 3%o 97% m	6.81

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

R.P. Nixon Oper Inc

Neely # 3

207 W 12th
Hays Ks 67601

16-14-20-Ellis-Ks

Job Ticket: 22037

DST#: 1

ATTN: Dan Nixon

Test Start: 2005.08.02 @ 17:03:47

Tool Information

Drill Pipe:	Length: 3621.00 ft	Diameter: 3.80 inches	Volume: 50.79 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: 25000.00 lb
Drill Collar:	Length: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 51.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3798.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	86.00 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			3778.00	
Shut In Tool	5.00			3783.00	
Hydraulic tool	5.00			3788.00	
Packer	5.00			3793.00	21.00 Bottom Of Top Packer
Packer	5.00			3798.00	
Stubb	1.00			3799.00	
Perforations	5.00			3804.00	
Change Over Sub	1.00			3805.00	
Recorder	0.00	6672	Inside	3805.00	
Drill Pipe	31.00			3836.00	
Change Over Sub	1.00			3837.00	
Recorder	0.00	13254	Outside	3837.00	
Perforations	23.00			3860.00	
Bullnose	3.00			3863.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00



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FLUID SUMMARY

R P Nixon Oper Inc

Neely # 3

207 W 12th
Hays Ks 67601

16-14-20-Ellis-Ks

Job Ticket: 22037

DST#: 1

ATTN: Dan Nixon

Test Start: 2005.08.02 @ 17:03:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	Silty OCM 3% 97% m	6.813

Total Length: 600.00 ft Total Volume: 6.813 bbl

Num Fluid Samples: 0

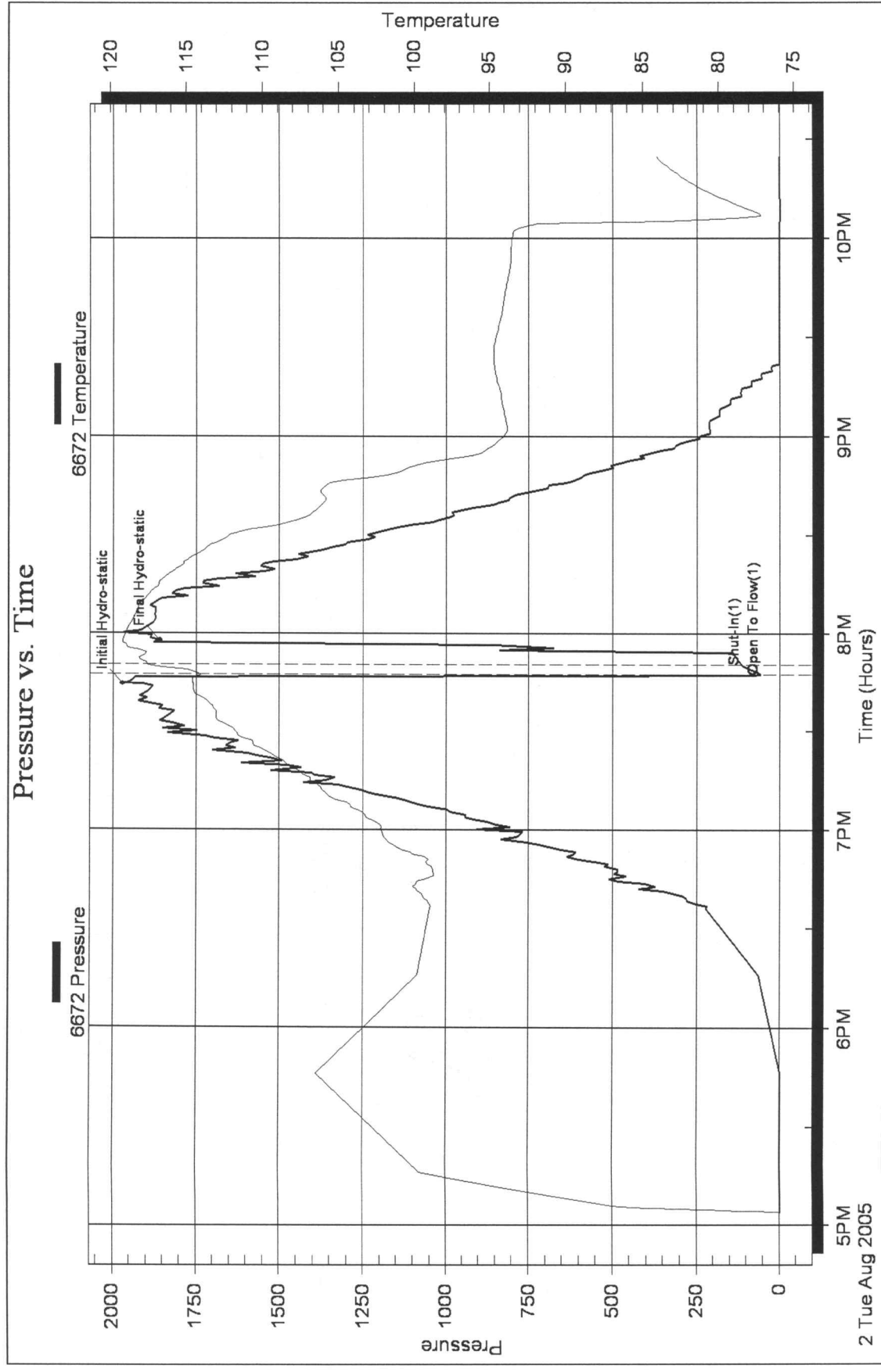
Num Gas Bombs: 0

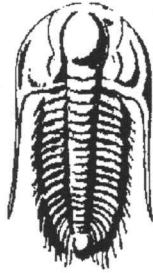
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **R P Nixon Oper Inc**

207 W 12th
Hays Ks 67601

ATTN: Dan Nixon

16-14-20-Ellis-Ks

Neely # 3

Start Date: 2005.08.02 @ 22:37:43

End Date: 2005.08.03 @ 06:01:28

Job Ticket #: 22038 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R P Nixon Oper Inc

Neely # 3

16-14-20-Ellis-Ks

DST # 2

Reagan Sd

2005.08.02



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DRILL STEM TEST REPORT

R P Nixon Oper Inc

Neely # 3

207 W 12th
Hays Ks 67601

16-14-20-Ellis-Ks

Job Ticket: 22038

DST#: 2

ATTN: Dan Nixon

Test Start: 2005.08.02 @ 22:37:43

GENERAL INFORMATION:

Formation: **Reagan Sd**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 00:18:43

Time Test Ended: 06:01:28

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3837.00 ft (KB) To 3863.00 ft (KB) (TVD)**

Total Depth: 3863.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2234.00 ft (KB)

2224.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6672

Inside

Press@RunDepth: 555.22 psig @ 3838.00 ft (KB)

Start Date: 2005.08.02

End Date:

2005.08.03

Start Time: 22:37:44

End Time:

06:01:28

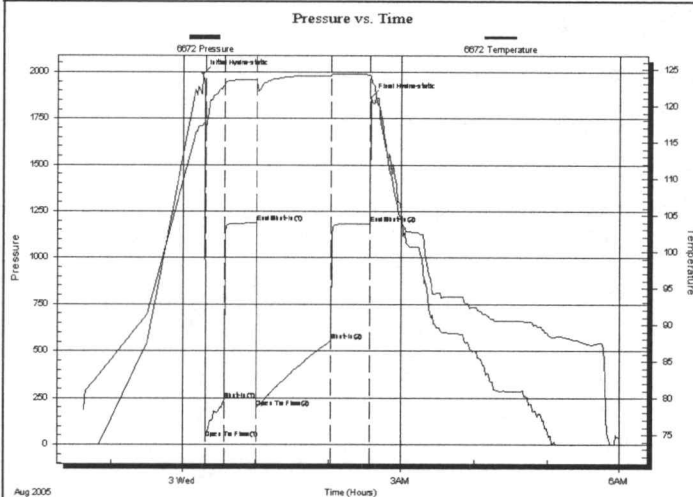
Capacity: 7000.00 psig

Last Calib.: 2005.08.03

Time On Btm: 2005.08.03 @ 00:15:58

Time Off Btm: 2005.08.03 @ 02:34:43

TEST COMMENT: IF-Strong B-B in 5 min
FF-Strong B-B in 5 min
Times-15-30-60-30



PRESSURE SUMMARY

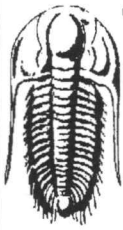
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1989.94	117.35	Initial Hydro-static
3	33.46	116.76	Open To Flow (1)
18	236.22	122.82	Shut-In(1)
45	1186.70	123.52	End Shut-In(1)
45	198.25	123.21	Open To Flow (2)
107	555.22	124.06	Shut-In(2)
138	1185.54	124.22	End Shut-In(2)
139	1864.09	124.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Wtr Rw .23@80=36000ppm	2.75
800.00	CGsyO 10%g 90%o	11.22
185.00	HMGsyO 10%g 60%o 30%m	2.60

Gas Rates

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



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TOOL DIAGRAM

R.P. Nixon Oper Inc

Neely # 3

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16-14-20-Ellis-Ks

Job Ticket: 22038

DST#: 2

ATTN: Dan Nixon

Test Start: 2005.08.02 @ 22:37:43

Tool Information

Drill Pipe:	Length: 3652.00 ft	Diameter: 3.80 inches	Volume: 51.23 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 52.10 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3837.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	47.00 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			3817.00	
Shut In Tool	5.00			3822.00	
Hydraulic tool	5.00			3827.00	
Packer	5.00			3832.00	21.00 Bottom Of Top Packer
Packer	5.00			3837.00	
Stubb	1.00			3838.00	
Recorder	0.00	6672	Inside	3838.00	
Perforations	22.00			3860.00	
Recorder	0.00	13254	Outside	3860.00	
Bullnose	3.00			3863.00	26.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



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Test Start: 2005.08.02 @ 22:37:43

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 36000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Wtr Rw .23@80=36000ppm	2.745
800.00	CGsyO 10%g 90%o	11.222
185.00	HVCGsyO 10%g 60%o 30%m	2.595

Total Length: 1295.00 ft Total Volume: 16.562 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

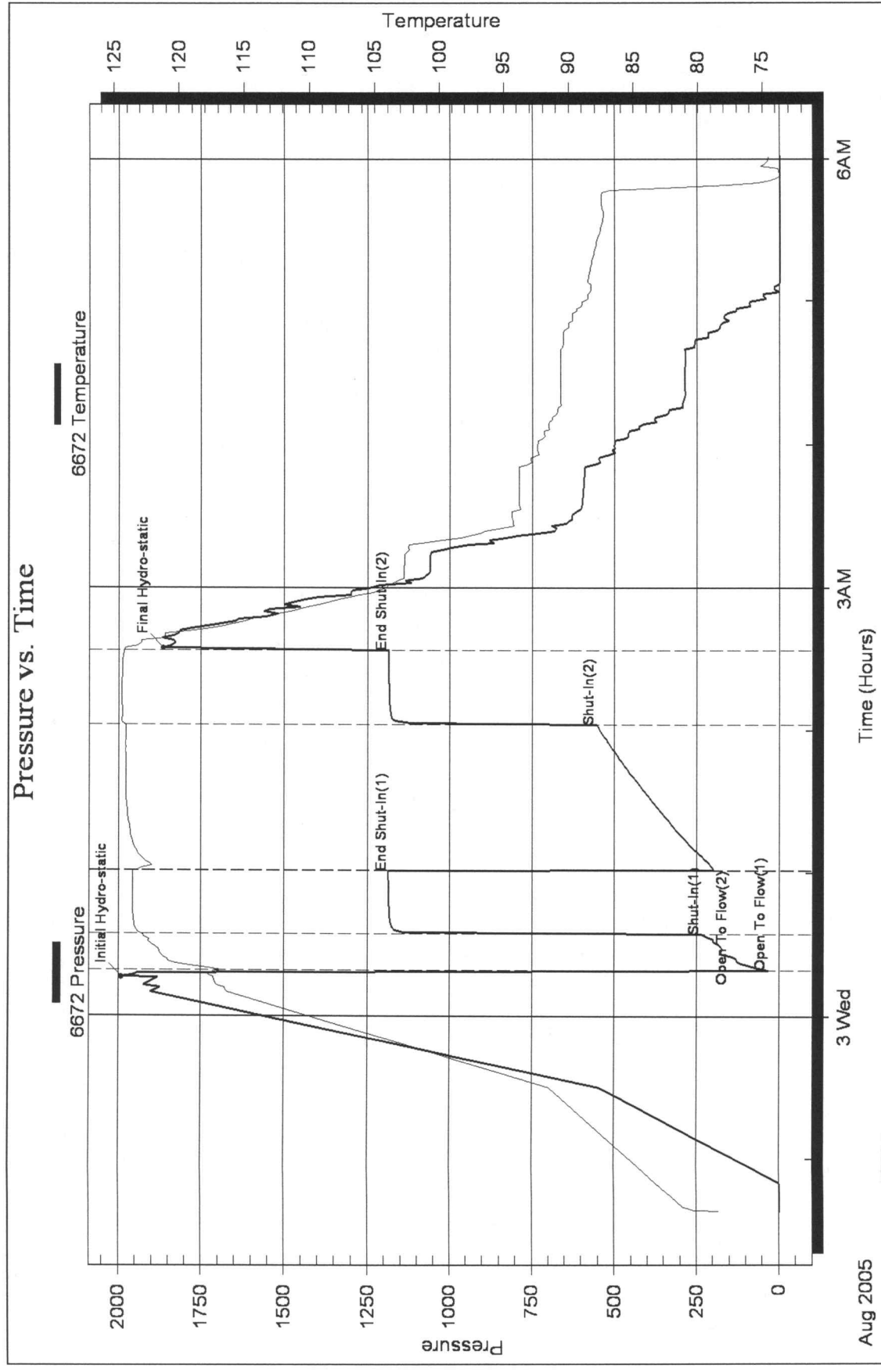


CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

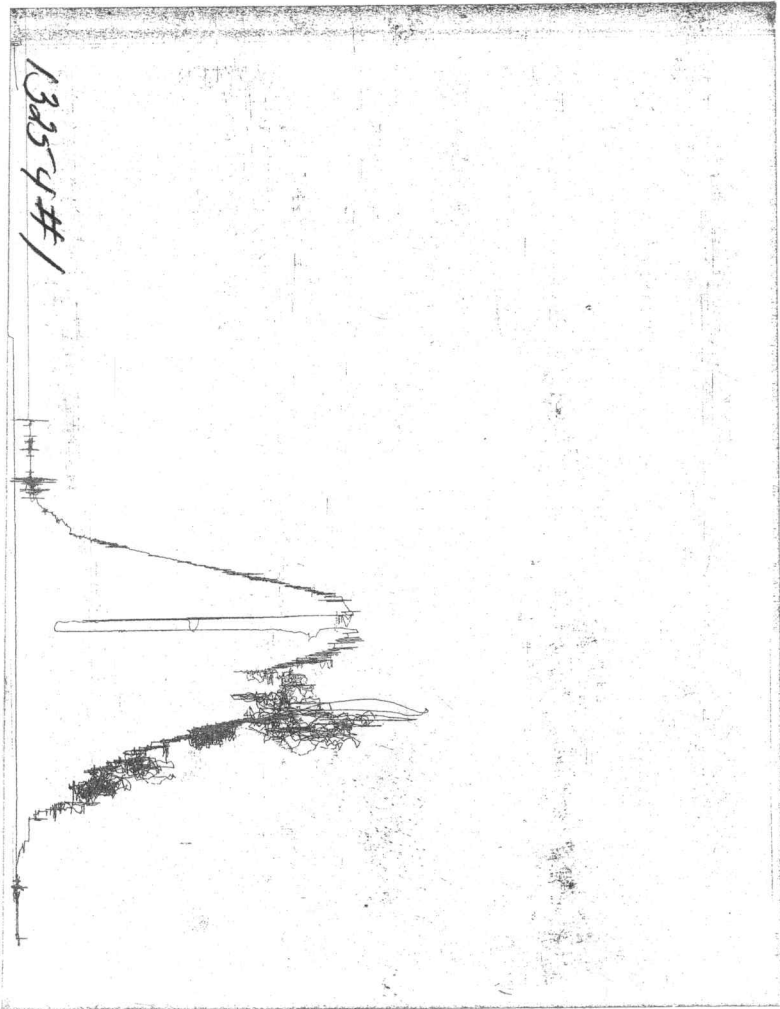


CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

