



DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

9400 Broadway, Ste 400
Oklahoma City, Ok
73114

ATTN: Raydon Exploration

16-35-33 Seward, Ks

Kanco #1-16

Start Date: 2005.03.05 @ 20:20:17

End Date: 2005.03.06 @ 08:06:27

Job Ticket #: 20491 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

Raydon Exploration
9400 Broadway, Ste 400
Oklahoma City, OK
73114
ATTN: Raydon Exploration

Kanco #1-16

16-35-33 Seward, Ks

Job Ticket: 20491

DST#: 1

Test Start: 2005.03.05 @ 20:20:17

GENERAL INFORMATION:

Formation: **Chester**

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

Time Tool Opened: 00:16:42

Time Test Ended: 08:06:27

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **6195.00 ft (KB) To 6235.00 ft (KB) (TVD)**

Total Depth: **6235.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2833.00 ft (KB)**

2823.00 ft (CF)

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

Serial #: 6771

Inside

Press@RunDepth: **33.93 psig @ 6196.00 ft (KB)**

Start Date: **2005.03.05**

End Date:

2005.03.06

Capacity: **7000.00 psig**

Last Calib.: **2005.03.06**

Start Time: **20:20:17**

End Time:

08:06:27

Time On Btm: **2005.03.06 @ 00:14:57**

Time Off Btm: **2005.03.06 @ 04:49:12**

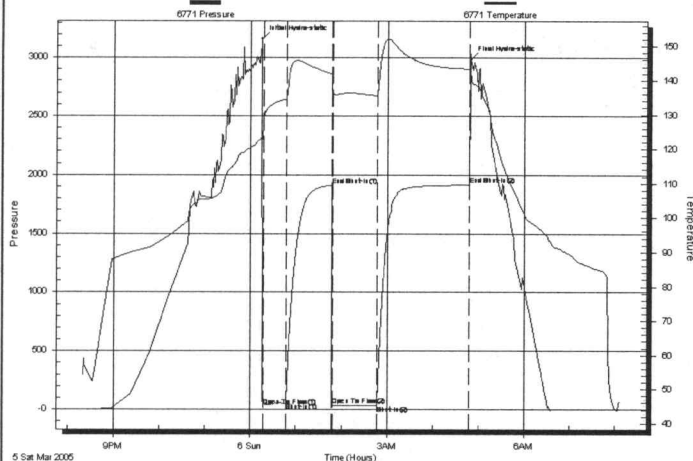
TEST COMMENT: **B.O.B. in 1 min.**

No return

Gas to surface 3 min into flow

No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3158.72	123.52	Initial Hydro-static
2	26.12	127.35	Open To Flow (1)
32	55.11	134.52	Shut-In (1)
92	1908.55	141.91	End Shut-In (1)
94	32.25	135.79	Open To Flow (2)
153	33.93	135.42	Shut-In (2)
273	1915.47	143.40	End Shut-In (2)
275	2984.70	142.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	24.41
Last Gas Rate	0.13	2.00	5.76
Max. Gas Rate	0.25	2.00	24.41



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration
9400 Broadway, Ste 400
Oklahoma City, Ok
73114
ATTN: Raydon Exploration

Kanco #1-16
16-35-33 Seward, Ks
Job Ticket: 20491 **DST#: 1**
Test Start: 2005.03.05 @ 20:20:17

Tool Information

Drill Pipe:	Length: 5930.00 ft	Diameter: 3.80 inches	Volume: 83.18 bbl	Tool Weight: 1500.00 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: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 84.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	6195.00 ft			Final 100000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 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			6169.00	
Shut In Tool	5.00			6174.00	
Hydraulic tool	5.00			6179.00	
Jars	5.00			6184.00	
Safety Joint	2.00			6186.00	
Packer	5.00			6191.00	27.00 Bottom Of Top Packer
Packer	4.00			6195.00	
Stubb	1.00			6196.00	
Recorder	0.00	6771	Inside	6196.00	
Perforations	34.00			6230.00	
Recorder	0.00	11057	Outside	6230.00	
Bullnose	5.00			6235.00	40.00 Bottom Packers & Anchor
Total Tool Length:		67.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration

Kanco #1-16

9400 Broadway, Ste 400

16-35-33 Seward, Ks

Oklahoma City, Ok

Job Ticket: 20491

DST#: 1

73114

ATTN: Raydon Exploration

Test Start: 2005.03.05 @ 20:20:17

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

1600 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100% m	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Raydon Exploration

Kanco #1-16

9400 Broadway, Ste 400
Oklahoma City, Ok
73114

16-35-33 Seward, Ks

Job Ticket: 20491

DST#: 1

ATTN: Raydon Exploration

Test Start: 2005.03.05 @ 20:20:17

Gas Rates Information

Temperature: 65 deg C
Relative Density: 0.73
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	5	0.25	2.00	24.41
2	10	0.13	1.00	5.41
2	15	0.13	1.00	5.41
2	20	0.13	2.00	5.76
2	30	0.13	2.00	5.76
2	40	0.13	2.00	5.76
2	50	0.13	2.00	5.76
2	60	0.13	2.00	5.76

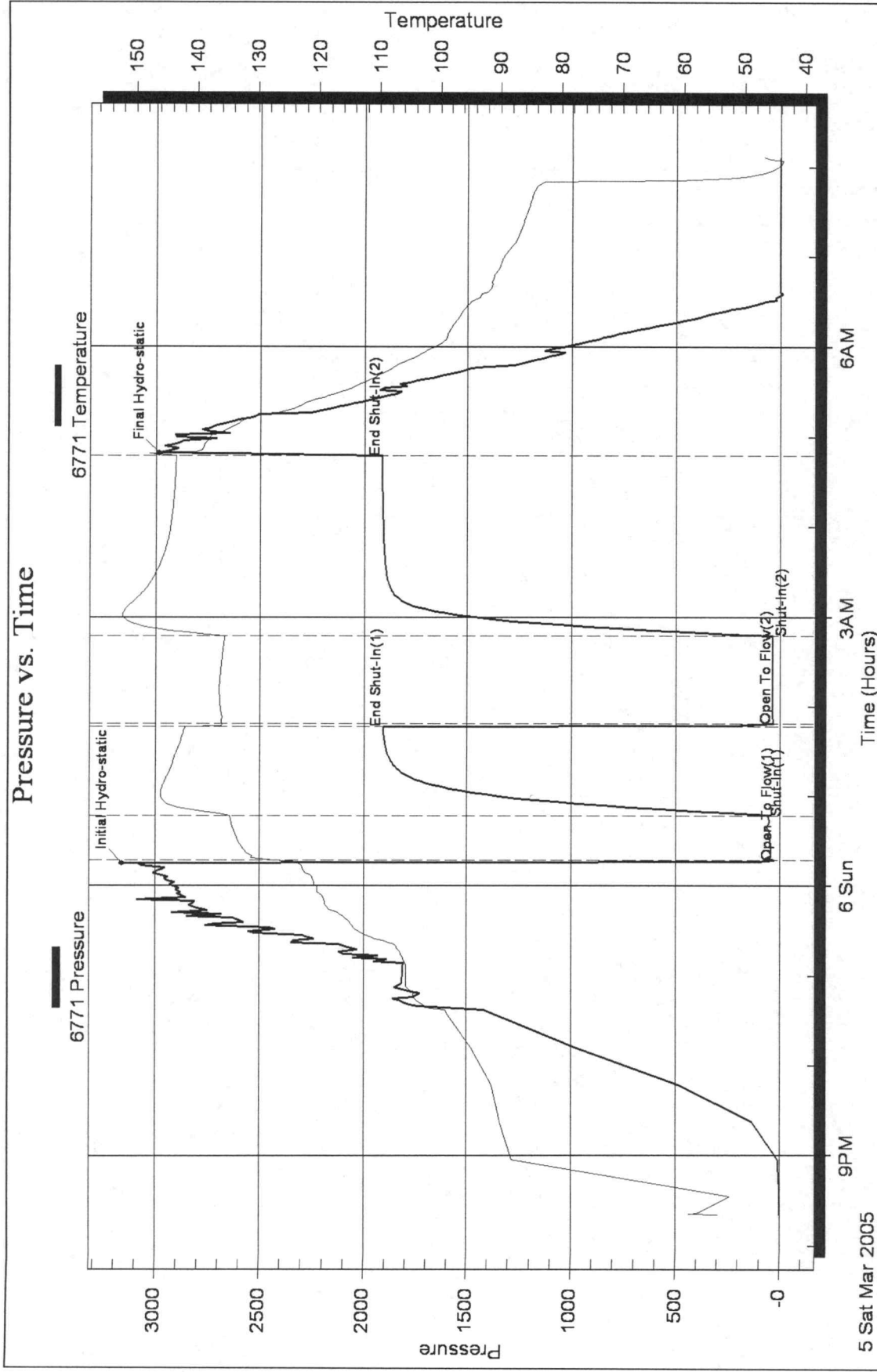
Serial #: 6771

Inside

Raydon Exploration

16-35-33 Seward, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

9400 Broadway, Ste 400
Oklahoma City, Ok
73114

ATTN: Raydon Exploration

16-35-33 Seward, Ks

Kanco #1-16

Start Date: 2005.03.07 @ 11:46:33

End Date: 2005.03.08 @ 00:29:33

Job Ticket #: 21811 DST #: 2

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Raydon Exploration

9400 Broadway, Ste 400

Oklahoma City, Ok

73114

ATTN: Raydon Exploration

Kanco #1-16

16-35-33 Seward, Ks

Job Ticket: 21811

DST#: 2

Test Start: 2005.03.07 @ 11:46:33

GENERAL INFORMATION:

Formation: **Upper Chester**

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

Time Tool Opened: 15:49:18

Time Test Ended: 00:29:33

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **15**

Interval: **6246.00 ft (KB) To 6300.00 ft (KB) (TVD)**

Total Depth: **6300.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2833.00 ft (KB)**

2823.00 ft (CF)

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

Serial #: 6769

Inside

Press@RunDepth: **56.87 psig @ 6252.00 ft (KB)**

Start Date: **2005.03.07**

End Date:

2005.03.08

Start Time: **11:46:35**

End Time:

00:29:33

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.03.07 @ 15:43:33**

Time Off Btm: **2005.03.07 @ 20:23:48**

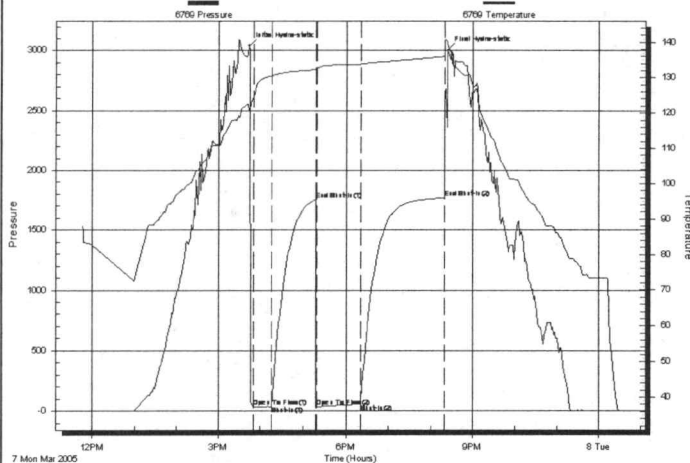
TEST COMMENT: IF- Good blow BOB 4min. No GTS.

IS- No blow back.

FF- BOB ASAO, GTS 13min.

FS- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3037.86	120.67	Initial Hydro-static
6	32.61	124.42	Open To Flow (1)
32	39.40	130.52	Shut-In(1)
94	1753.65	132.26	End Shut-In(1)
96	31.41	132.21	Open To Flow (2)
158	56.87	133.76	Shut-In(2)
276	1767.64	136.00	End Shut-In(2)
281	2999.93	139.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	100% mud.	0.47

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate	0.13	6.00	7.64
Max. Gas Rate	0.13	6.00	7.64



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TOOL DIAGRAM

Raydon Exploration
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Kanco #1-16
16-35-33 Seward, Ks
Job Ticket: 21811 **DST#: 2**
Test Start: 2005.03.07 @ 11:46:33

Tool Information

Drill Pipe:	Length: 5936.00 ft	Diameter: 3.80 inches	Volume: 83.27 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 308.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 150000.0 lb
			Total Volume: 84.78 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 110000.0 lb
Depth to Top Packer:	6246.00 ft			Final 112000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	81.00 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			6220.00	
Shut In Tool	5.00			6225.00	
Hydraulic tool	5.00			6230.00	
Jars	5.00			6235.00	
Safety Joint	2.00			6237.00	
Packer	5.00			6242.00	27.00 Bottom Of Top Packer
Packer	4.00			6246.00	
Stubb	1.00			6247.00	
Perforations	5.00			6252.00	
Recorder	0.00	6769	Inside	6252.00	
Change Over Sub	1.00			6253.00	
Drill Pipe	30.00			6283.00	
Change Over Sub	1.00			6284.00	
Perforations	12.00			6296.00	
Recorder	0.00	6724	Outside	6296.00	
Bullnose	4.00			6300.00	54.00 Bottom Packers & Anchor
Total Tool Length:		81.00			



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16-35-33 Seward, Ks

Job Ticket: 21811

DST#: 2

ATTN: Raydon Exploration

Test Start: 2005.03.07 @ 11:46:33

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	100% mud.	0.467

Total Length: 95.00 ft

Total Volume: 0.467 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: XX

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

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16-35-33 Seward, Ks

Job Ticket: 21811

DST#: 2

ATTN: Raydon Exploration

Test Start: 2005.03.07 @ 11:46:33

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	20	0.13	1.00	5.76
2	20	0.13	1.00	5.76
2	20	0.13	1.00	5.76
2	30	0.13	3.00	6.51
2	40	0.13	6.00	7.64

Pressure vs. Time

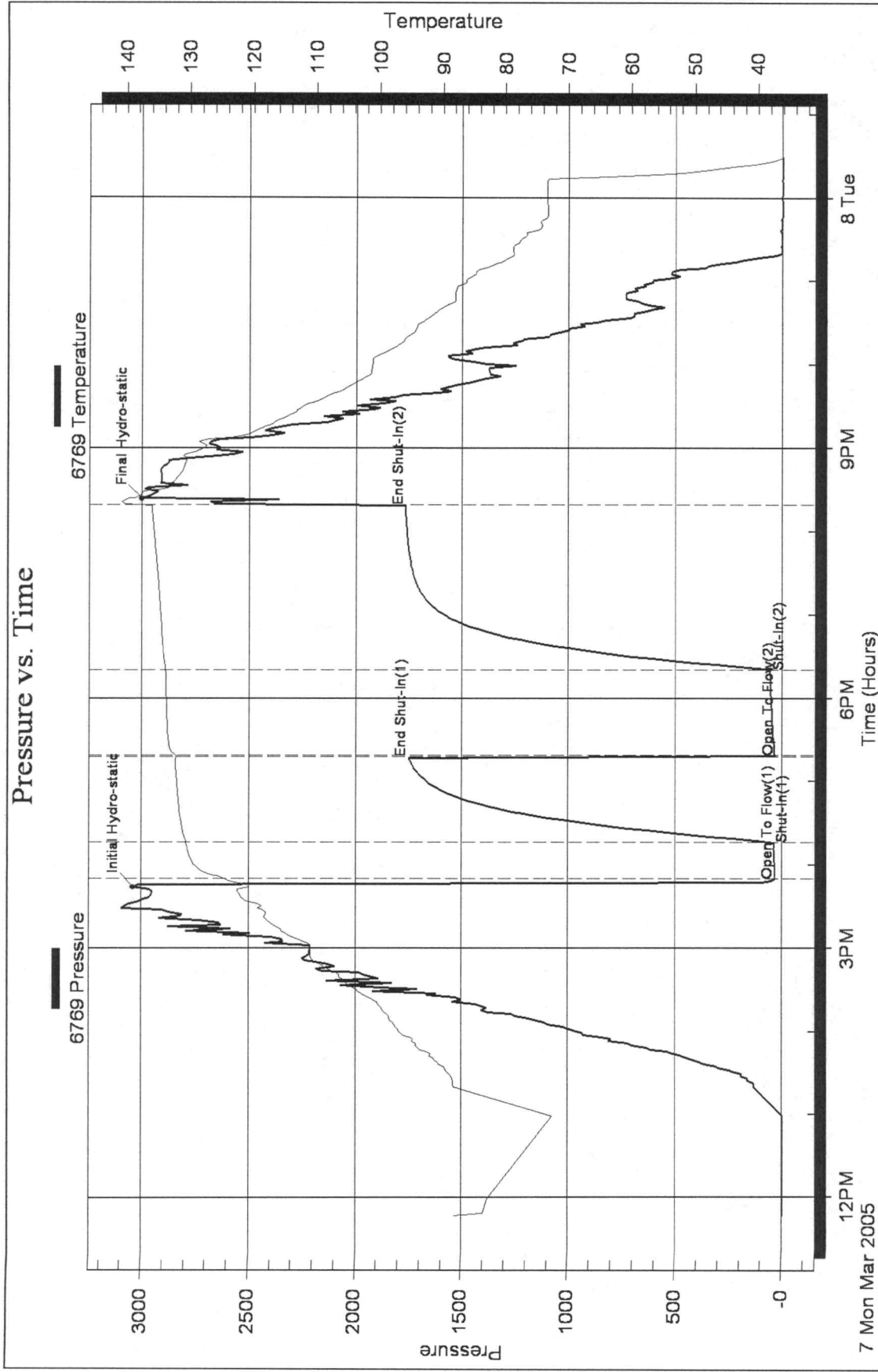


CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

