

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

9400 N. Broadway
Ste. #400
Oklahoma City OK 73114

ATTN: Ed Grieves

30-34S-29W Meade KS

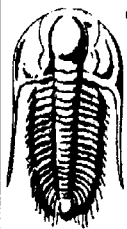
H.G. #1-30

Start Date: 2005.07.29 @ 20:39:13

End Date: 2005.07.30 @ 07:51:41

Job Ticket #: 21273 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 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

H.G. #1-30

30-34S-29W Meade KS

Job Ticket: 21273

DST#: 1

Test Start: 2005.07.29 @ 20:39:13

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:03:11

Time Test Ended: 07:51:41

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 20

Interval: **5898.00 ft (KB) To 5910.00 ft (KB) (TVD)**

Total Depth: 5910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2546.00 ft (KB)

2534.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: **6770**

Inside

Press@RunDepth: 29.13 psig @ 5900.00 ft (KB)

Start Date: 2005.07.29

End Date:

2005.07.30

Start Time: 20:39:13

End Time:

07:51:41

Capacity: 7000.00 psig

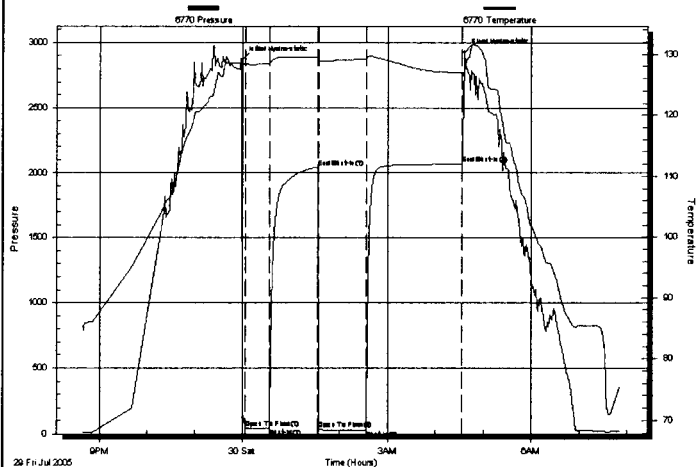
Last Calib.: 1899.12.30

Time On Btm: 2005.07.29 @ 23:58:56

Time Off Btm: 2005.07.30 @ 04:36:41

TEST COMMENT: IF-Strong building blow. BOB in 1 min. GTS. 23 min. TSTM.
ISI-Blow back in 1 min. Built to BOB in 13 min.
FF-Strong blow. BOB ASAO. GTS ASAO. TSTM.
FSI-No blow back.

Pressure vs. Time



PRESSURE SUMMARY

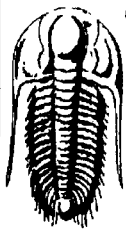
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2864.35	128.70	Initial Hydro-static
5	43.65	128.32	Open To Flow (1)
34	40.20	128.36	Shut-In(1)
94	2041.24	129.54	End Shut-In(1)
95	35.28	128.93	Open To Flow (2)
154	29.13	129.25	Shut-In(2)
275	2069.11	127.04	End Shut-In(2)
278	2928.24	126.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	n/a	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

Raydon Exploration

H.G. #1-30

9400 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

30-34S-29W Meade KS

Job Ticket: 21273

DST#: 1

Test Start: 2005.07.29 @ 20:39:13

Tool Information

Drill Pipe:	Length: 5651.00 ft	Diameter: 3.80 inches	Volume: 79.27 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: 21000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 20000.00 lb
			Total Volume: 80.48 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 104000.0 lb
Depth to Top Packer:	5898.00 ft			Final 106000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Gas was flammable.				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5872.00	
Shut In Tool	5.00			5877.00	
Hydraulic tool	5.00			5882.00	
Jars	5.00			5887.00	
Safety Joint	2.00			5889.00	
Packer	5.00			5894.00	27.00 Bottom Of Top Packer
Packer	4.00			5898.00	
Stubb	1.00			5899.00	
Perforations	1.00			5900.00	
Recorder	0.00	6770	Inside	5900.00	
Perforations	7.00			5907.00	
Recorder	0.00	10993	Inside	5907.00	
Bullnose	3.00			5910.00	12.00 Bottom Packers & Anchor

Total Tool Length: 39.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration

H.G. #1-30

9400 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

30-34S-29W Meade KS

Job Ticket: 21273 DST#: 1

Test Start: 2005.07.29 @ 20:39:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 6.78 in³

Resistivity: ohm.m

Salinity: 2200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	n/a	0.000

Total Length: ft

Total Volume: bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Gas was flammable.

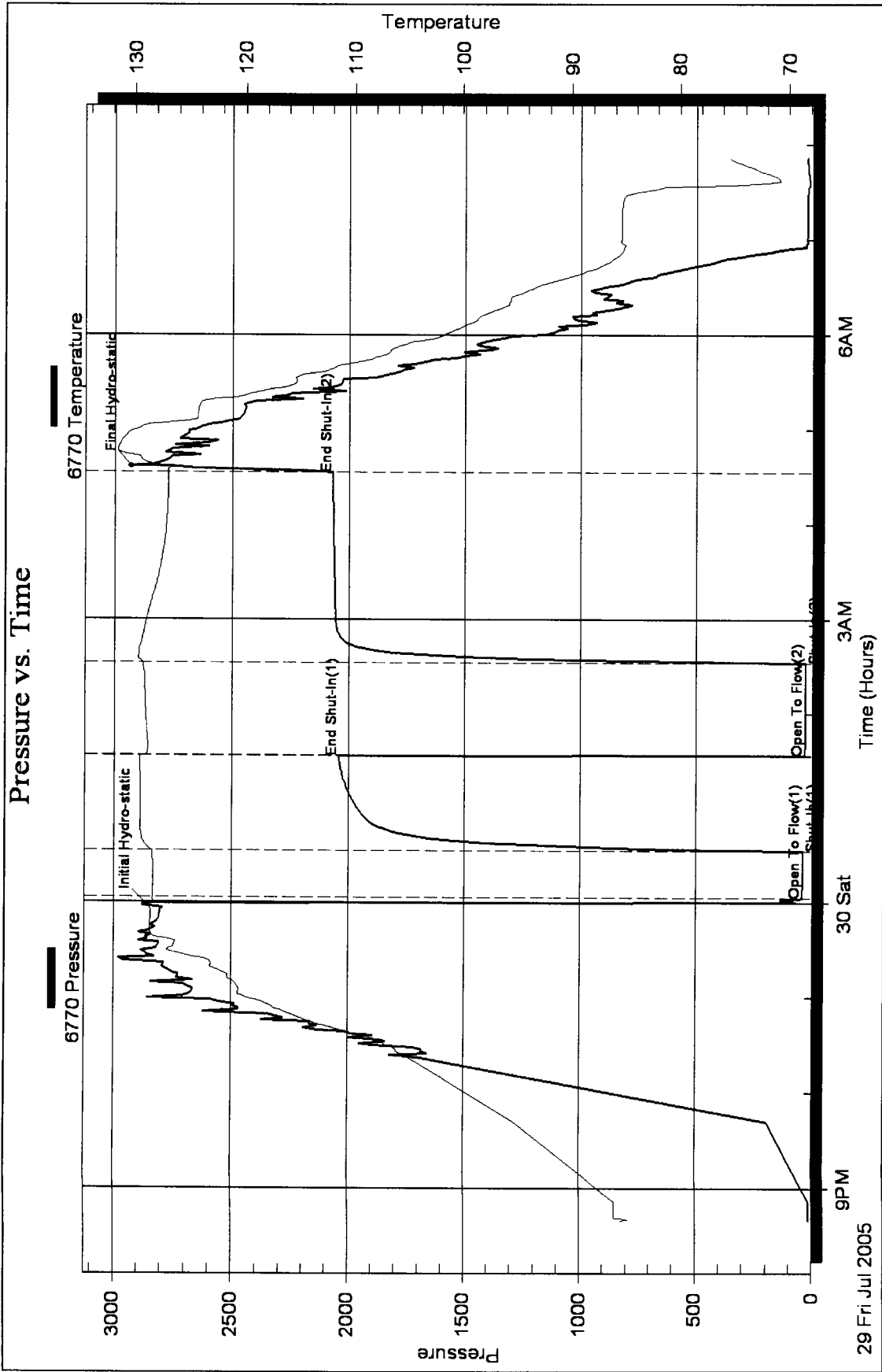
Serial #: 6770

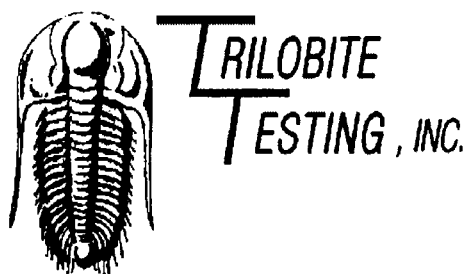
Inside

Raydon Exploration

30-34S-29W Meade KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

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Oklahoma City OK 73114

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30-34S-29W Meade KS

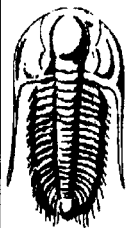
H.G. #1-30

Start Date: 2005.07.31 @ 08:56:00

End Date: 2005.07.31 @ 19:21:43

Job Ticket #: 21274 DST #: 2

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



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DRILL STEM TEST REPORT

Raydon Exploration
9400 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

H.G. #1-30

30-34S-29W Meade KS

Job Ticket: 21274

DST#: 2

Test Start: 2005.07.31 @ 08:56:00

GENERAL INFORMATION:

Formation: **Upper Chester Limest**

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

Time Tool Opened: 11:50:58

Time Test Ended: 19:21:43

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **20**

Interval: **5940.00 ft (KB) To 6000.00 ft (KB) (TVD)**

Total Depth: **6000.00 ft (KB) (TVD)**

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

Reference Elevations: **2546.00 ft (KB)**

2534.00 ft (CF)

KB to GRVCF: **12.00 ft**

Serial #: **6770**

Inside

Press@RunDepth: **72.88 psig @ 5943.00 ft (KB)**

Start Date: **2005.07.31**

End Date:

2005.07.31

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **08:56:00**

End Time:

19:21:43

Time On Btm: **2005.07.31 @ 11:46:13**

Time Off Btm: **2005.07.31 @ 16:24:13**

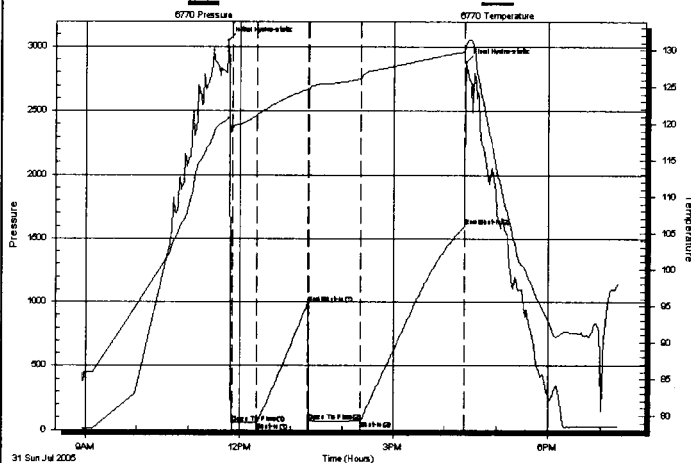
TEST COMMENT: **IF-Strong building blow . BOB in 25 min.**

ISI-No blow back.

FF-Strong blow . BOB ASAO.

FSI-No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3046.49	120.75	Initial Hydro-static
5	55.01	119.18	Open To Flow (1)
35	61.55	121.18	Shut-In(1)
94	987.98	124.71	End Shut-In(1)
95	65.90	124.04	Open To Flow (2)
156	72.88	126.13	Shut-In(2)
278	1594.07	129.76	End Shut-In(2)
279	2875.90	130.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	38% Gas 2%Oil 60%Mud	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

H.G. #1-30

9400 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

30-34S-29W Meade KS

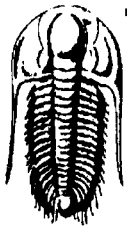
Job Ticket: 21274 DST#: 2

Test Start: 2005.07.31 @ 08:56:00

Tool Information

Drill Pipe:	Length: 5683.00 ft	Diameter: 3.80 inches	Volume: 79.72 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: 22000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 5000.00 lb
			Total Volume: 80.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	5940.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			5914.00	
Shut In Tool	5.00			5919.00	
Hydraulic tool	5.00			5924.00	
Jars	5.00			5929.00	
Safety Joint	2.00			5931.00	
Packer	5.00			5936.00	27.00 Bottom Of Top Packer
Packer	4.00			5940.00	
Stubb	1.00			5941.00	
Perforations	1.00			5942.00	
Change Over Sub	1.00			5943.00	
Recorder	0.00	6770	Inside	5943.00	
Drill Pipe	31.00			5974.00	
Change Over Sub	1.00			5975.00	
Perforations	22.00			5997.00	
Recorder	0.00	10993	Inside	5997.00	
Bullnose	3.00			6000.00	60.00 Bottom Packers & Anchor
Total Tool Length:	87.00				



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FLUID SUMMARY

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H.G. #1-30

9400 N. Broadway
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Oklahoma City OK 73114
ATTN: Ed Grieves

30-34S-29W Meade KS
Job Ticket: 21274 **DST#: 2**
Test Start: 2005.07.31 @ 08:56:00

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:

3800 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 1.10 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	38% Gas 2%Oil 60%Mud	0.443

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

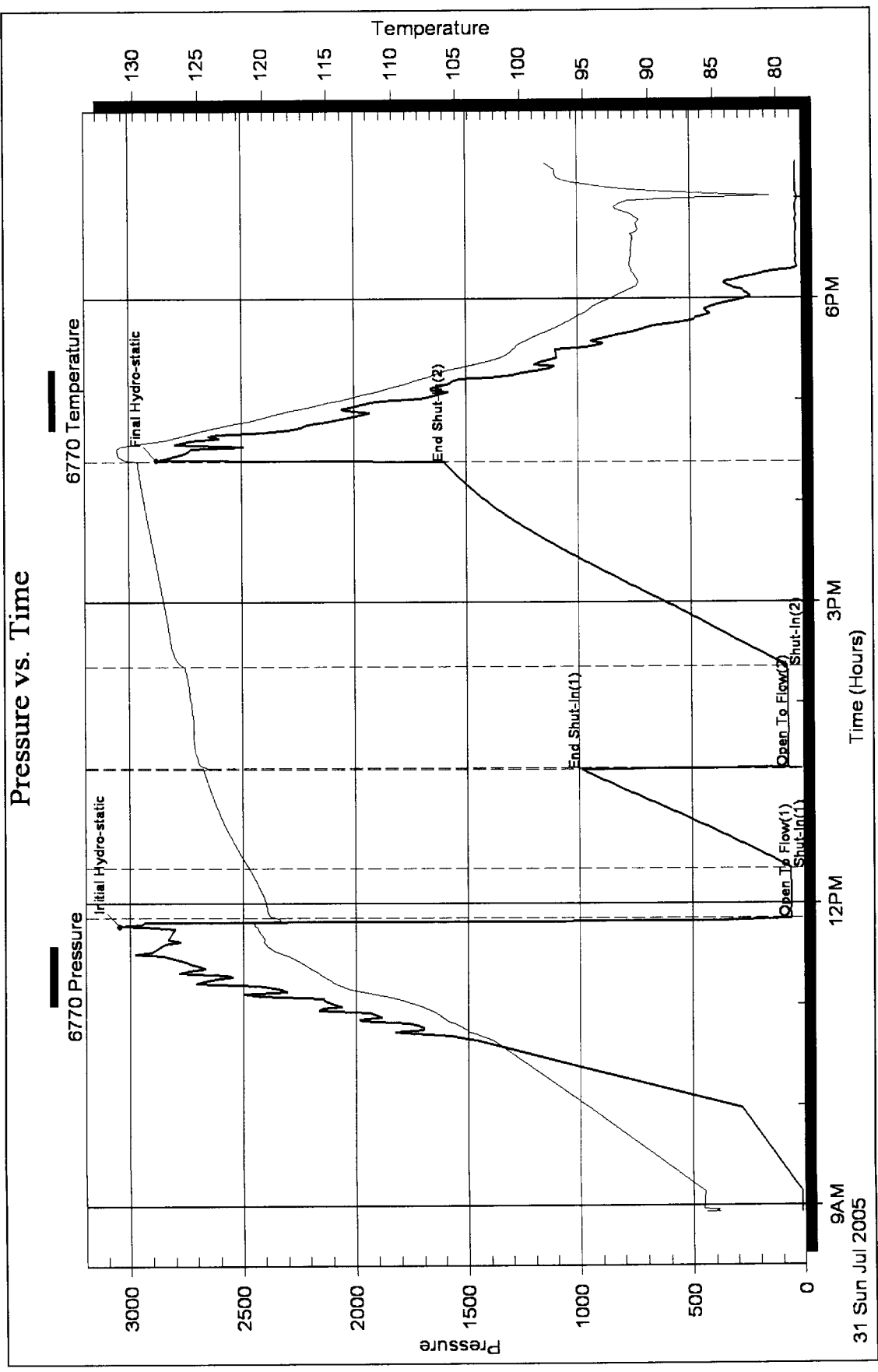
Num Gas Bombs: 0

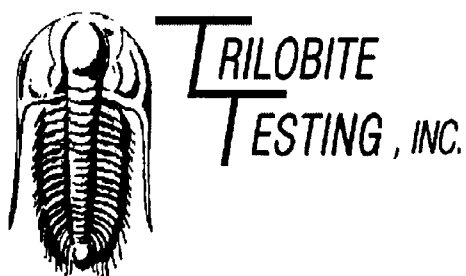
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

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Ste. #400
Oklahoma City OK 73114

ATTN: Ed Grieves

30-34S-29W Meade KS

H.G. #1-30

Start Date: 2004.08.02 @ 04:00:23

End Date: 2004.08.02 @ 15:02:38

Job Ticket #: 20639 DST #: 3

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



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DRILL STEM TEST REPORT

Raydon Exploration
9400 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

H.G. #1-30

30-34S-29W Meade KS

Job Ticket: 20639

DST#: 3

Test Start: 2004.08.02 @ 04:00:23

GENERAL INFORMATION:

Formation: **Chester, Lower**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:15:08

Time Test Ended: 15:02:38

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **6192.00 ft (KB) To 6210.00 ft (KB) (TVD)**

Total Depth: 6210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2546.00 ft (KB)

2534.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6769

Inside

Press@RunDepth: 74.63 psig @ 6194.00 ft (KB)

Start Date: 2004.08.02

End Date:

2004.08.02

Start Time: 04:00:25

End Time:

15:02:38

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.08.02 @ 07:11:38

Time Off Btm: 2004.08.02 @ 11:59:08

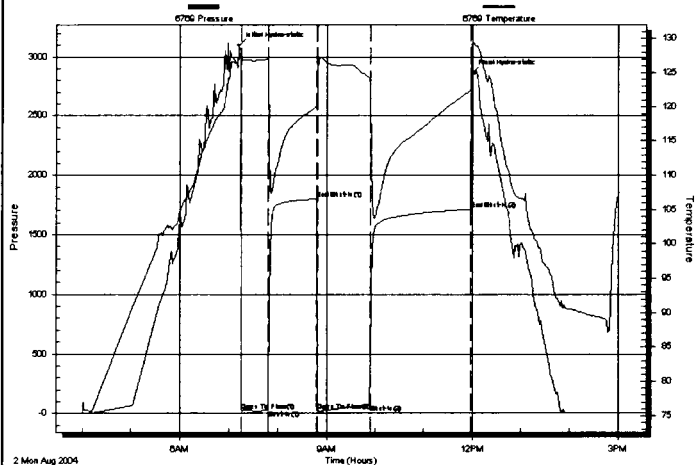
TEST COMMENT: IF- Strong blow, BOB 1min, GTS 17min.

IS- No blow back.

FF- Strong blow, BOB, GTS, ASAO.

FS- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

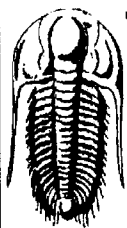
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3096.89	127.29	Initial Hydro-static
4	22.47	127.00	Open To Flow (1)
36	27.63	126.97	Shut-In(1)
97	1798.85	120.01	End Shut-In(1)
97	15.32	123.57	Open To Flow (2)
162	74.63	124.14	Shut-In(2)
286	1712.81	122.35	End Shut-In(2)
288	2859.38	129.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	18' of anchor, coated last 2 stands with	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	66.00	30.09
Max. Gas Rate	0.13	66.00	30.09



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

H.G. #1-30

9400 N. Broadway
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Oklahoma City OK 73114
ATTN: Ed Grieves

30-34S-29W Meade KS

Job Ticket: 20639

DST#: 3

Test Start: 2004.08.02 @ 04:00:23

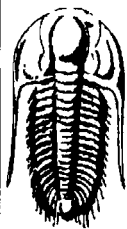
Tool Information

Drill Pipe:	Length: 5869.00 ft	Diameter: 3.80 inches	Volume: 82.33 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:	25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	110000.0 lb
			Total Volume: 83.85 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	110000.0 lb
Depth to Top Packer:	6192.00 ft			Final	110000.0 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	45.00 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			6166.00	
Shut In Tool	5.00			6171.00	
Hydraulic tool	5.00			6176.00	
Jars	5.00			6181.00	
Safety Joint	2.00			6183.00	
Packer	5.00			6188.00	27.00 Bottom Of Top Packer
Packer	4.00			6192.00	
Stubb	1.00			6193.00	
Perforations	1.00			6194.00	
Recorder	0.00	6769	Inside	6194.00	
Perforations	12.00			6206.00	
Recorder	0.00	6724	Outside	6206.00	
Bullnose	4.00			6210.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



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9400 N. Broadway
Ste. #400
Oklahoma City OK 73114
ATTN: Ed Grieves

30-34S-29W Meade KS
Job Ticket: 20639 DST#: 3
Test Start: 2004.08.02 @ 04:00:23

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 24000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	18' of anchor, coated last 2 stands with	0.000

Total Length: ft

Total Volume: bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Serial #: 6769

Inside Raydon Exploration

30-34S-29W Meade KS

DST Test Number: 3

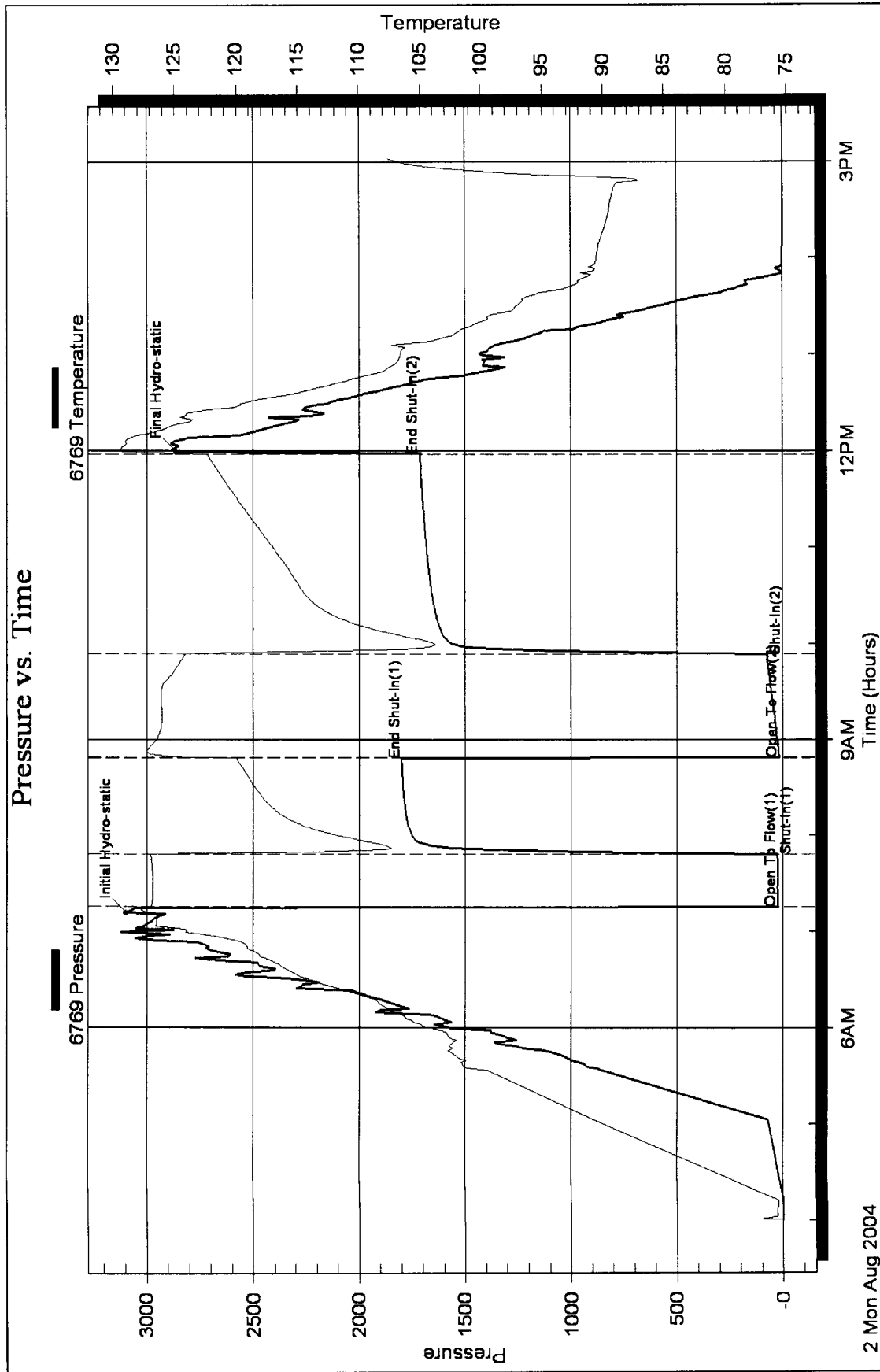


CHART PAGE

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

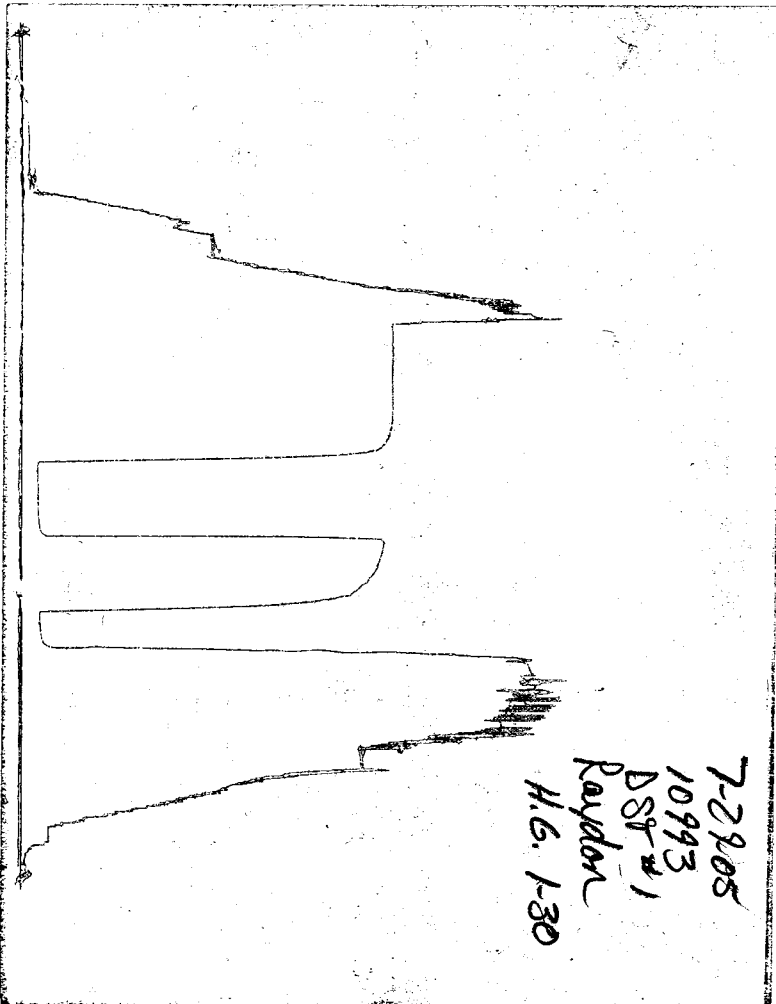


CHART PAGE

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

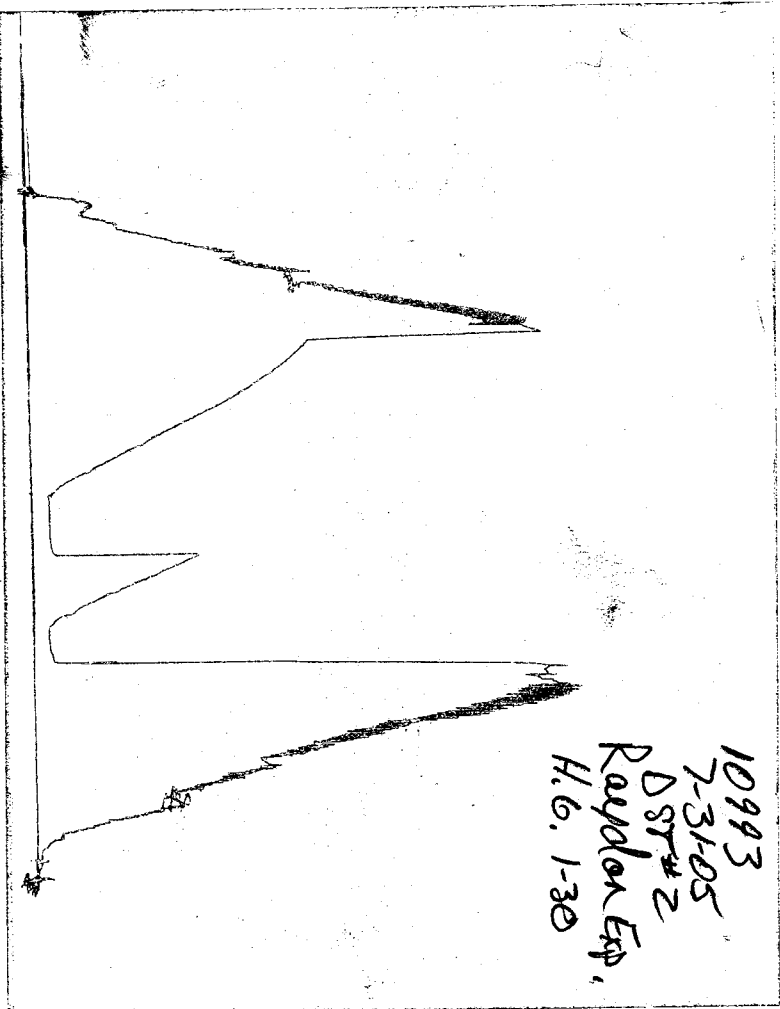


CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

