

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

9/34/30W

Cimarron 1-9

Start Date: 2005.05.14 @ 21:21:38

End Date: 2005.05.15 @ 07:34:36

Job Ticket #: 21251 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

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Raydon Exploration

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 21251 **DST#: 1**

Test Start: 2005.05.14 @ 21:21:38

GENERAL INFORMATION:

Formation: **Consel Grove A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:32:36
Time Test Ended: 07:34:36

Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 17

Interval: 3173.00 ft (KB) To 3187.00 ft (KB) (TVD)
Total Depth: 3187.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

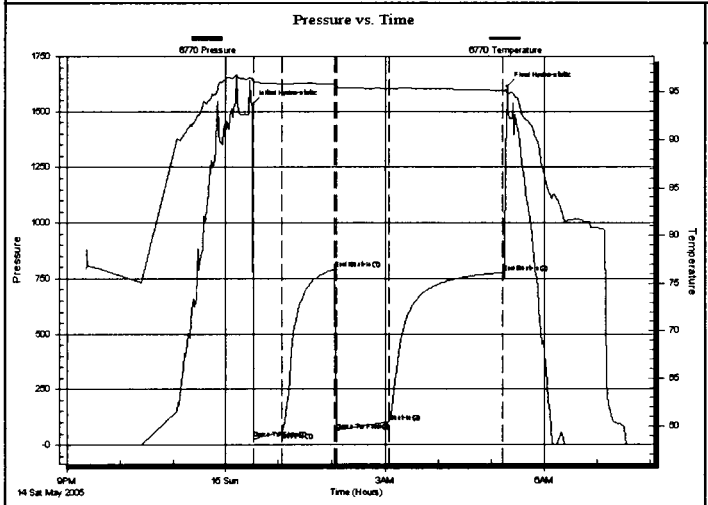
Reference Elevations: 2703.00 ft (KB)
2693.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6770 **Inside**

Press@RunDepth: 102.24 psig @ 3175.00 ft (KB)
Start Date: 2005.05.14 End Date: 2005.05.15
Start Time: 21:21:38 End Time: 07:34:36

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.05.15 @ 00:31:21
Time Off Btm: 2005.05.15 @ 05:18:06

TEST COMMENT: IF-Weak surface blow. Built to 1/2 inch.
ISI-No blow back.
FF-Blow present after 12 min. Built to 1/4 inch.
FSI-No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1532.14	96.43	Initial Hydro-static
2	26.86	96.08	Open To Flow (1)
33	56.77	95.84	Shut-In(1)
93	791.79	95.82	End Shut-In(1)
94	61.59	95.60	Open To Flow (2)
154	102.24	95.33	Shut-In(2)
282	776.73	95.15	End Shut-In(2)
287	1614.13	94.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	40% Water 60% Mud	0.89

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

9400 N Broadw ay #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 21251 **DST#: 1**

Test Start: 2005.05.14 @ 21:21:38

Tool Information

Drill Pipe:	Length:	2851.00 ft	Diameter:	3.80 inches	Volume:	39.99 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:		24000.00 lb
Drill Collar:	Length:	310.00 ft	Diameter:	2.25 inches	Volume:	1.52 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	41.51 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	72000.00 lb
Depth to Top Packer:		3173.00 ft						Final	74000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		14.00 ft							
Tool Length:		41.00 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			3147.00		
Shut In Tool	5.00			3152.00		
Hydraulic tool	5.00			3157.00		
Jars	5.00			3162.00		
Safety Joint	2.00			3164.00		
Packer	5.00			3169.00	27.00	Bottom Of Top Packer
Packer	4.00			3173.00		
Stubb	1.00			3174.00		
Perforations	1.00			3175.00		
Recorder	0.00	6770	Inside	3175.00		
Perforations	9.00			3184.00		
Recorder	0.00	10993	Inside	3184.00		
Bullnose	3.00			3187.00	14.00	Bottom Packers & Anchor
Total Tool Length:	**41.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 21251 **DST#: 1**

Test Start: 2005.05.14 @ 21:21:38

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:	15000 ppm
Viscosity:	36.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	3.59 in³	Gas Cushion Type:			
Resistivity:	0.50 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	18000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

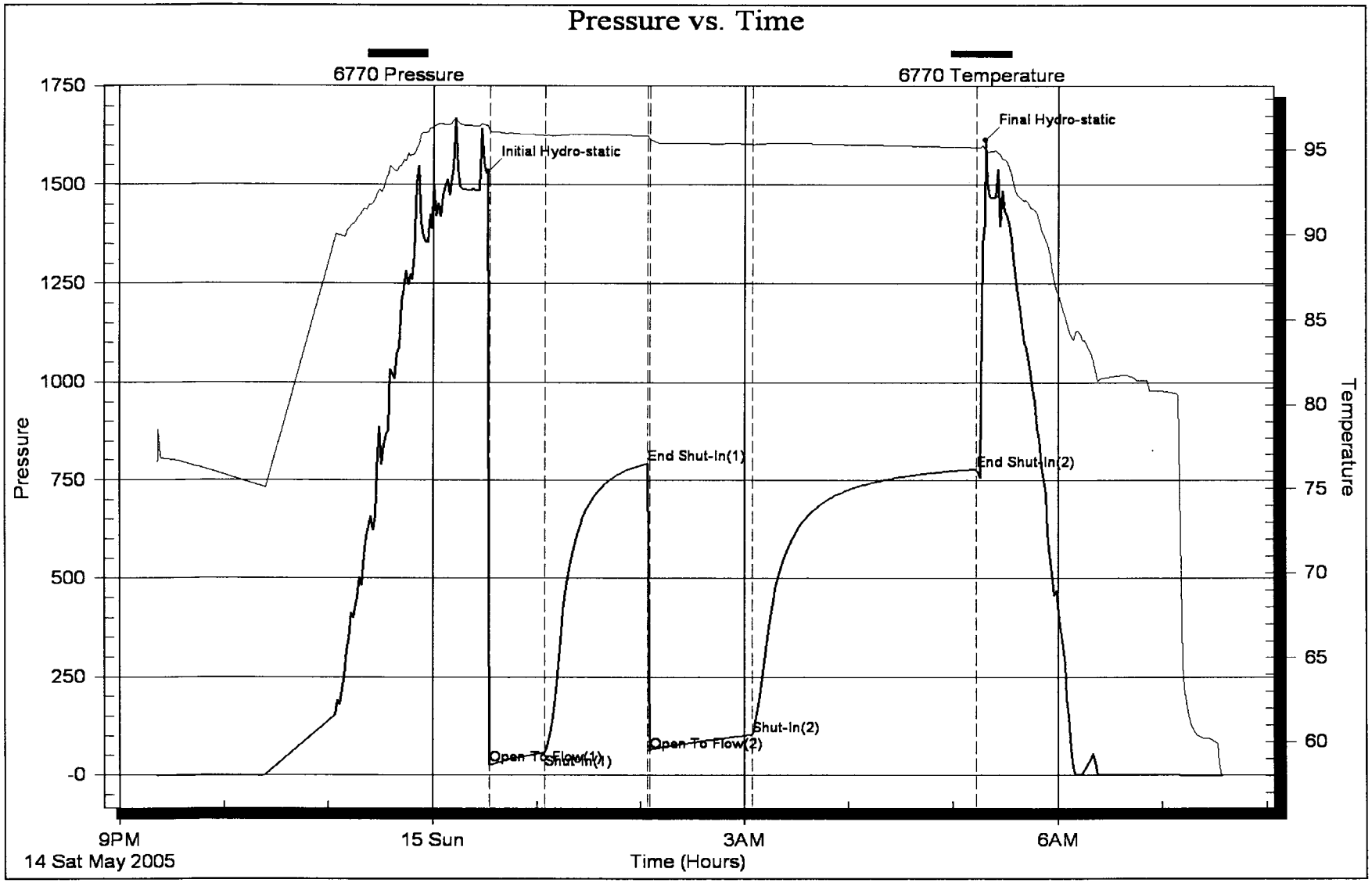
Length ft	Description	Volume bbl
180.00	40% Water 60% Mud	0.885

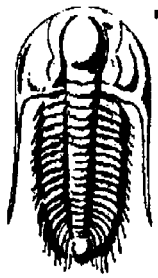
Total Length: 180.00 ft Total Volume: 0.885 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6770 Pressure
6770 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
-0
95
90
85
80
75
70
65
60
9PM
14 Sat May 2005
15 Sun
3AM
6AM
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

9/34/30W

Cimarron 1-9

Start Date: 2005.05.21 @ 11:40:17

End Date: 2005.05.21 @ 23:09:47

Job Ticket #: 22410 DST #: 2

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DRILL STEM TEST REPORT

Raydon Exploration

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 22410 **DST#: 2**

Test Start: 2005.05.21 @ 11:40:17

GENERAL INFORMATION:

Formation: **Morrow Snd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:39:17
Time Test Ended: 23:09:47

Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 20

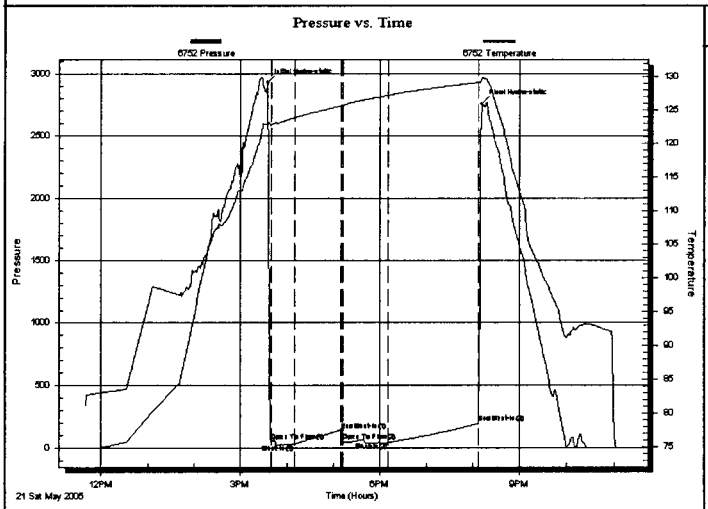
Interval: 5897.00 ft (KB) To 5930.00 ft (KB) (TVD)
Total Depth: 5930.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2703.00 ft (KB)
2693.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 **Inside**
Press@RunDepth: 44.38 psig @ 5899.00 ft (KB)
Start Date: 2005.05.21 End Date: 2005.05.21
Start Time: 11:40:17 End Time: 23:09:47

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.05.21 @ 15:35:17
Time Off Btm: 2005.05.21 @ 20:11:57

TEST COMMENT: IF: 5.5 inches in 10 min., steadily dieing blow
ISI: No blow back
FF: No blow for 45 min, then weak surface blow
FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2931.75	122.85	Initial Hydro-static
4	59.68	122.76	Open To Flow (1)
35	32.49	123.89	Shut-In(1)
95	139.89	125.67	End Shut-In(1)
97	53.05	125.72	Open To Flow (2)
156	44.38	127.24	Shut-In(2)
273	199.63	129.19	End Shut-In(2)
277	2759.89	129.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M	0.15

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 22410 **DST#: 2**

Test Start: 2005.05.21 @ 11:40:17

Tool Information

Drill Pipe:	Length:	5579.00 ft	Diameter:	3.80	inches	Volume:	78.26 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:	20000.00 lb
Drill Collar:	Length:	309.00 ft	Diameter:	2.25	inches	Volume:	1.52 bbl	Weight to Pull Loose:	110000.0 lb
						Total Volume:	79.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		18.00 ft						String Weight: Initial	98000.00 lb
Depth to Top Packer:		5897.00 ft						Final	98000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		33.00 ft							
Tool Length:		60.00 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			5871.00		
Shut In Tool	5.00			5876.00		
Hydraulic tool	5.00			5881.00		
Jars	5.00			5886.00		
Safety Joint	2.00			5888.00		
Packer	5.00			5893.00	27.00	Bottom Of Top Packer
Packer	4.00			5897.00		
Stubb	1.00			5898.00		
Perforations	1.00			5899.00		
Recorder	0.00	6752	Inside	5899.00		
Perforations	28.00			5927.00		
Recorder	0.00	13630	Inside	5927.00		
Bullnose	3.00			5930.00	33.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

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FLUID SUMMARY

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ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 22410 **DST#: 2**

Test Start: 2005.05.21 @ 11:40:17

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:	5000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

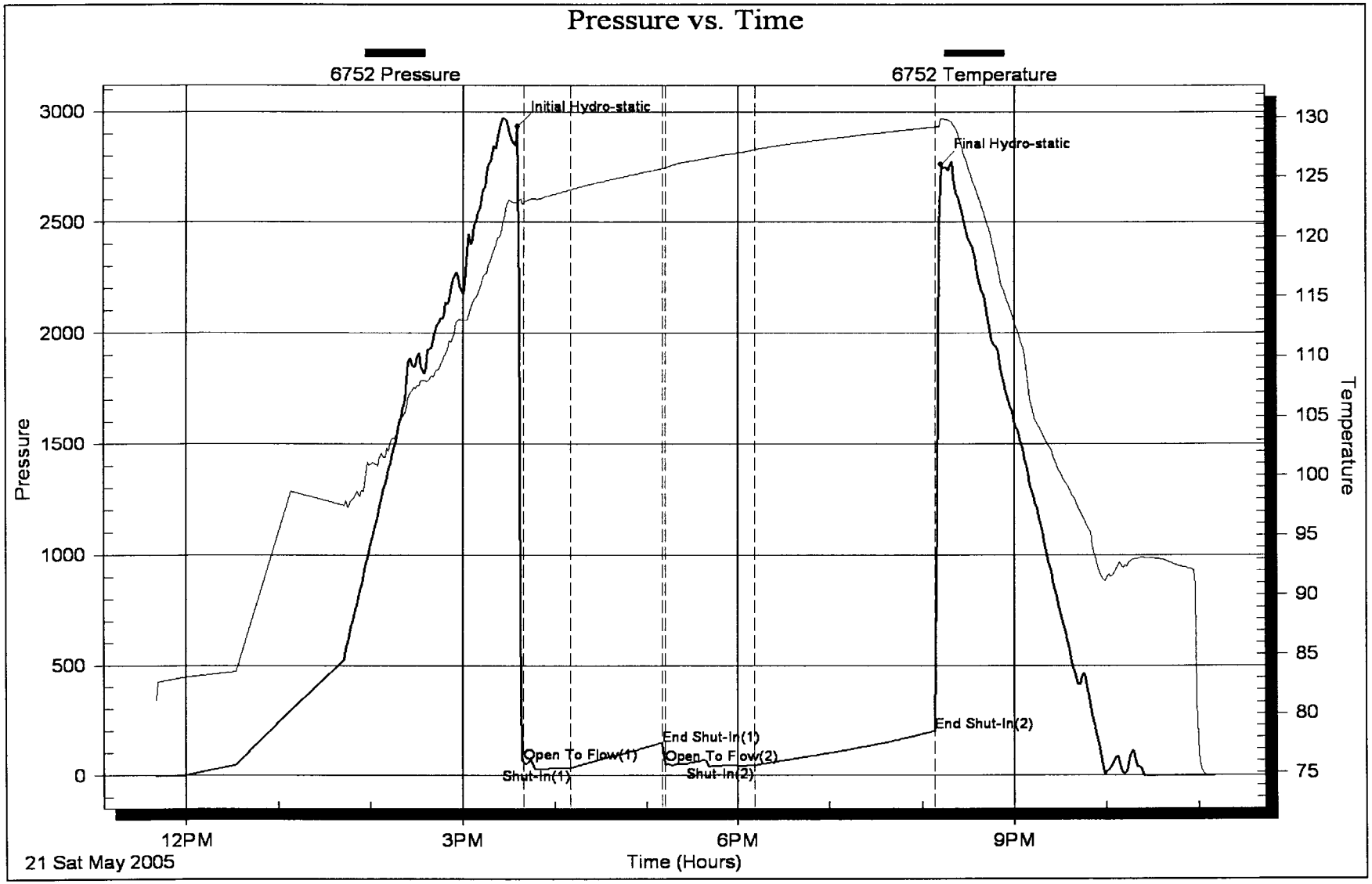
Length ft	Description	Volume bbl
30.00	100%M	0.148

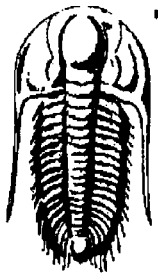
Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW=1.070@80F=5000ppm


Pressure vs. Time
6752 Pressure
6752 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Shut-In(1)
Shut-In(2)
Pressure
Temperature
3000
2500
2000
1500
1000
500
0
130
125
120
115
110
105
100
95
90
85
80
75
12PM
3PM
6PM
9PM
21 Sat May 2005
Time (Hours)



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Prepared For: **Raydon Exploration**

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

9/34/30W

Cimarron 1-9

Start Date: 2005.05.22 @ 22:15:49

End Date: 2005.05.23 @ 11:34:34

Job Ticket #: 22497 DST #: 3

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Raydon Exploration

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 22497 **DST#: 3**

Test Start: 2005.05.22 @ 22:15:49

GENERAL INFORMATION:

Formation: **Morrow-Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:03:49
Time Test Ended: 11:34:34

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

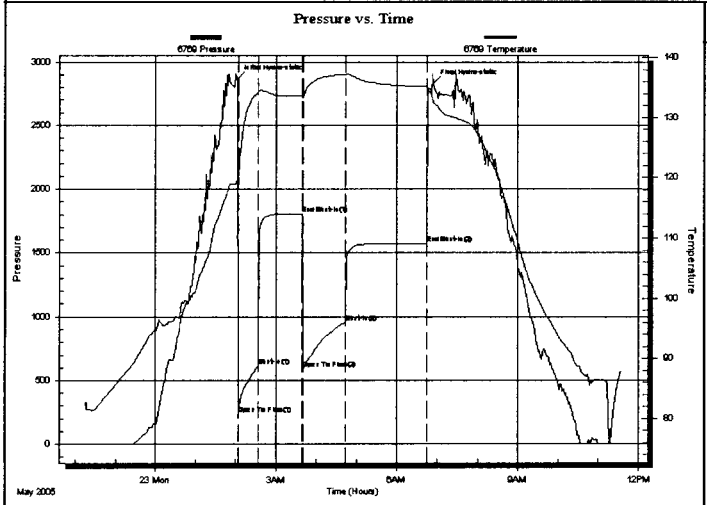
Interval: 5933.00 ft (KB) To 5996.00 ft (KB) (TVD)
Total Depth: 5996.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2703.00 ft (KB)
2693.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6769 **Inside**
Press@RunDepth: 955.78 psig @ 5968.00 ft (KB)
Start Date: 2005.05.22 End Date: 2005.05.23
Start Time: 22:15:51 End Time: 11:34:34

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.05.23 @ 02:02:19
Time Off Btm: 2005.05.23 @ 06:54:49

TEST COMMENT: IF- BOB, ASAO, GTS 5min.
ISI- No blow back.
FF- BOB & GTS, ASAO.
FSI- Had blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2866.81	119.53	Initial Hydro-static
2	238.18	120.00	Open To Flow (1)
32	614.39	134.34	Shut-In(1)
97	1806.91	133.71	End Shut-In(1)
98	587.11	133.43	Open To Flow (2)
161	955.78	137.20	Shut-In(2)
282	1570.78	135.18	End Shut-In(2)
293	2832.78	132.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1800.00	10% gas, 90% water,.092@78F= 85000	22.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	12.00	178.09
Last Gas Rate	0.50	32.00	313.00
Max. Gas Rate	0.50	38.00	353.47

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

Cimarron 1-9

9400 N Broadway #400 Oklahoma City, OK 73114

9/34/30W

Job Ticket: 22497 **DST#: 3**

ATTN: Ed Grieves

Test Start: 2005.05.22 @ 22:15:49

Tool Information

Drill Pipe:	Length:	5612.00 ft	Diameter:	3.80 inches	Volume:	78.72 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:		25000.00 lb
Drill Collar:	Length:	309.00 ft	Diameter:	2.25 inches	Volume:	1.52 bbl	Weight to Pull Loose:		125000.0 lb
					Total Volume:	80.24 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	100000.0 lb
Depth to Top Packer:		5933.00 ft						Final	116000.0 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		63.00 ft							
Tool Length:		90.00 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			5907.00		
Shut In Tool	5.00			5912.00		
Hydraulic tool	5.00			5917.00		
Jars	5.00			5922.00		
Safety Joint	2.00			5924.00		
Packer	5.00			5929.00	27.00	Bottom Of Top Packer
Packer	4.00			5933.00		
Stubb	1.00			5934.00		
Perforations	1.00			5935.00		
Change Over Sub	1.00			5936.00		
Drill Pipe	31.00			5967.00		
Change Over Sub	1.00			5968.00		
Recorder	0.00	6769	Inside	5968.00		
Perforations	24.00			5992.00		
Recorder	0.00	6724	Outside	5992.00		
Bullnose	4.00			5996.00	63.00	Bottom Packers & Anchor
Total Tool Length:	**90.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration

9400 N Broadway #400 Oklahoma City, OK 73114

ATTN: Ed Grieves

Cimarron 1-9

9/34/30W

Job Ticket: 22497 **DST#: 3**

Test Start: 2005.05.22 @ 22:15:49

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:	85000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1800.00	10% gas, 90% water,.092@78F= 85000ppm	22.434

Total Length: 1800.00 ft Total Volume: 22.434 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: XXX

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:

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	10	0.50	12.00	178.09
1	20	0.50	21.00	238.80
1	30	0.50	22.00	245.54
2	10	0.50	19.00	225.31
2	20	0.50	25.00	265.78
2	30	0.50	36.00	339.98
2	40	0.50	38.00	353.47
2	50	0.50	36.00	339.98
2	60	0.50	32.00	313.00

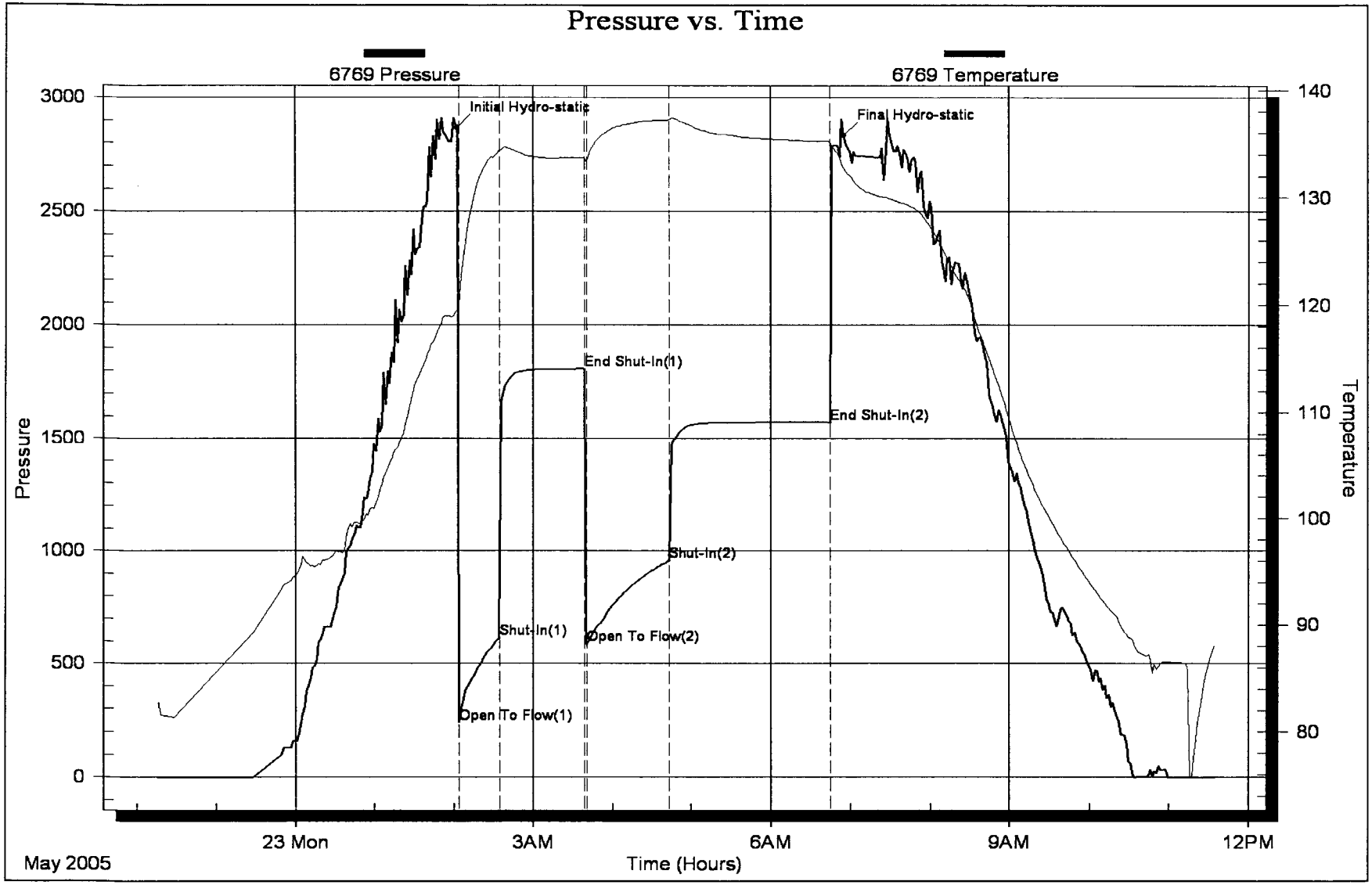

Pressure vs. Time
6769 Pressure
6769 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
3000
2500
2000
1500
1000
500
0
140
130
120
110
100
90
80
23 Mon
3AM
6AM
9AM
12PM
May 2005
Time (Hours)

CHART PAGE

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

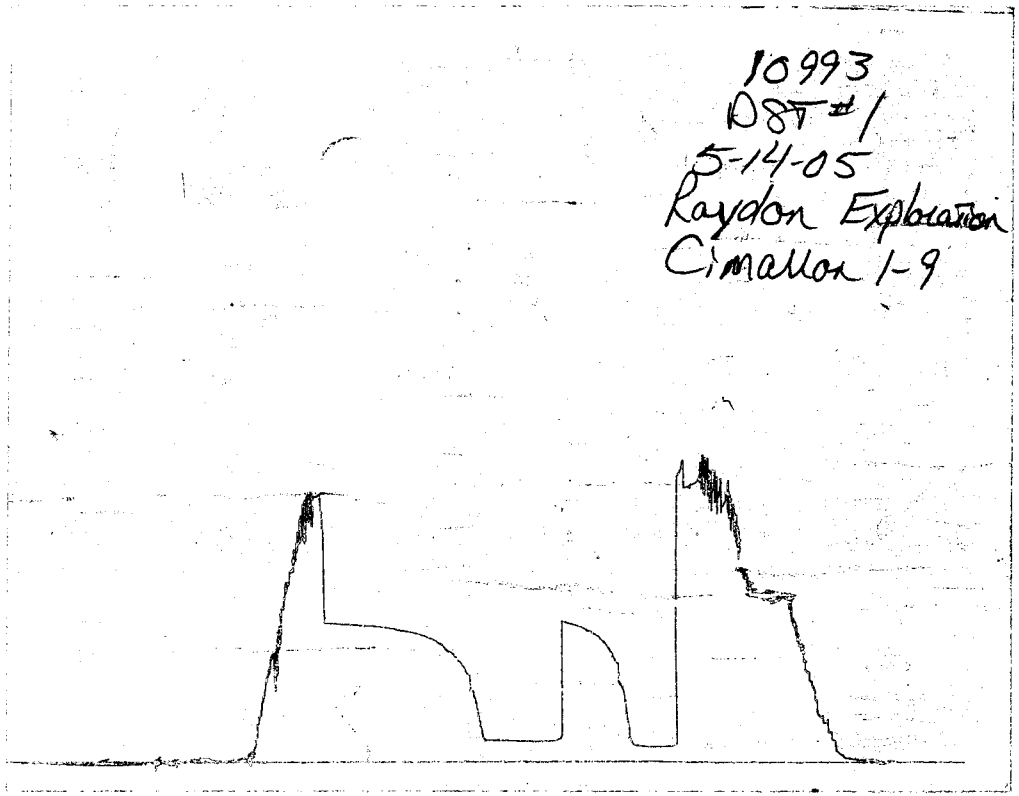


CHART PAGE

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

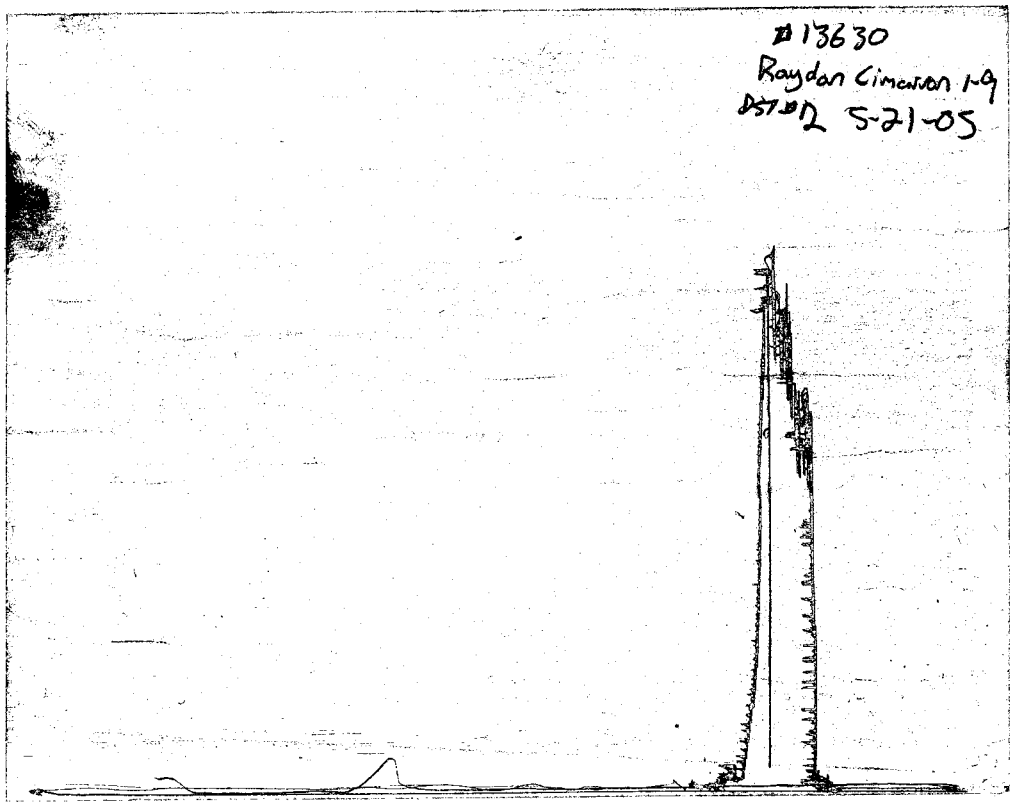


CHART PAGE

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

