MS 02767

4-263

NORTHEAST

ALL DATA AND INFORMATION SHOWN ON THIS CROSS SECTION ARE PROPRIETARY TO GEOPHYSICAL SERVICE INC. AND ITS AFFILIATES ('GSI') AND ARE FURNISHED BY GSI TO U.S.G.S. ('COMPANY') FOR USE BY COMPANY UNDER RESTRICTIONS OF DISCLOSURE AND REPRODUCTION CONTAINED IN THE 'AGREEMENT' BETWEEN GSI AND COMPANY DATED 9-75

LINE 8

SHOTPOINTS 718-967

BERMUDA TRIANGLE

OFFSHORE
EAST COAST USA

SCALED SECTION

FIELD DATA

FIELD PARTY	437
VESSEL	M/V JONSSON
DATE SHOT	APRIL 1974
ENERGY SOURCE	AIR GUNS
AIRGUN CAPACITY	1310 CU. IN.
SOURCE DEPTH	25 - 30 FEET
RECORDING INSTRUMENTS	DFS4 (21 TRACK)
GAIN CONTROL	I F P
RECORDING FILTERS LOW	8 HZ 18 DB/OCT
HIGH	62 HZ 72 DB/OCT
SAMPLE RATE	4 MSEC
RECORD LENGTH	7 SECONDS
STREAMER DEPTH	50 - 55 FEET
STREAMER LENGTH	TI 3600 M (A.C.) 48 TRACE
GROUP CENTER INTERVAL	50 METERS FARS (1-24)
	100 METERS NEARS (25-48)
INLINE SHOT OFFSET	306 METERS
SHOTPOINT INTERVAL	50 METERS
MULTIPLICITY	24 FOLD (TRACES 25-48)
	12 FOLD (TRACES 1-24)

DIGITAL PROCESSING

DATUM - SEA LEVEL

TRUE AMPLITUDE RECOVERY

ALPHA = 5.5 DB/SEC
T1 = WATER BOTTOM
T2 = 5.5 SEC BELOW WATER BOTTOM

TIME VARIANT DECONVOLUTION

WATER BOTTOM	FILTERS	LENGTH (MSEC)
< 131 FT	2	180
131 - 760 FT	2	292
> 760 FT	3	188

TIME VARIANT SCALING

GATE LENGTH = 500 MSEC
UNITY SCALARS
START TIMES WATER DEPTH DEPENDENT

VELOCITY ANALYSIS

MINI-700 PACKAGE VELOCITY ANALYSIS
SCATTERGRAMS AT 2 MILE INTERVALS

NORMAL MOVEOUT CORRECTION

VELOCITY ANNOTATION ON SECTION HEADING

FIRST BREAK SUPPRESSION

SEE TAPER ON RECORD

CDP STACK

48 FOLD WITH ADJACENT TRACE MIX OF FAR TRACES
(TRACES 1-24 = 12 FOLD. 25-48 = 24 FOLD)

TIME VARIANT DECONVOLUTION

NOT APPLIED

TIME VARIANT FILTERING

TIME (MSEC.)	FILTER (HZ.)
WB	15-42
WB + 1100	10-31
WB + 1900	8-30
WB + 4500	8-27

TIME VARIANT SCALING

UNITY SCALARS
START TIME = WATER BOTTOM
GATE LENGTH = 500 MSEC

DISPLAY

WIGGLE TRACE VARIABLE AREA
24 TRACES/IN.
2.5 INCHES/SEC.

DISPLAY GAIN

INPUT	
CDP	ALL
GAIN DB	TIME MSEC
-82.0	5000

GEOPHYSICAL SERVICE INCORPORATED
(A SUBSIDIARY OF TEXAS INSTRUMENTS INC.)

Tiptex

L8
02 APR 1975
21:55:16

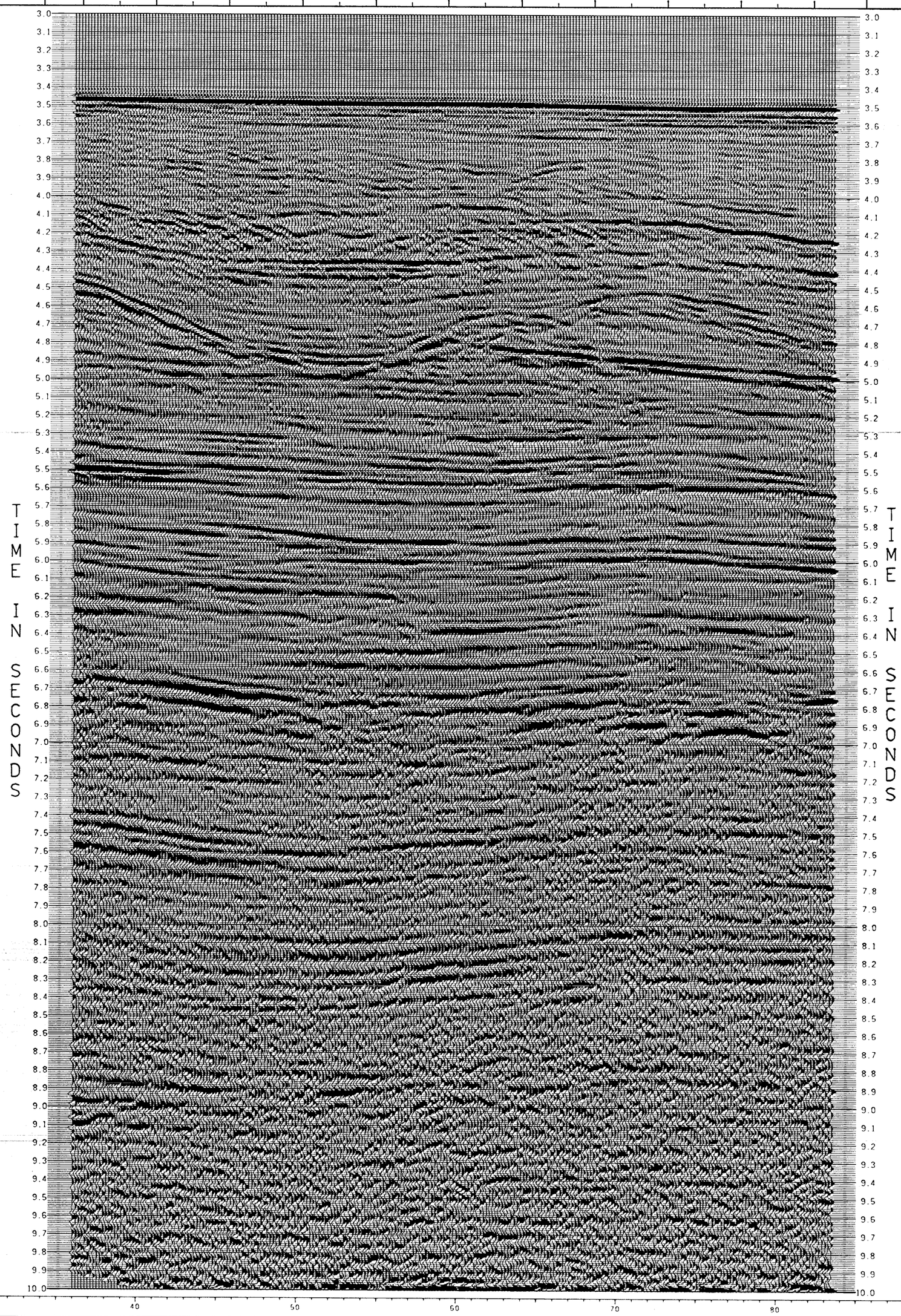
PROCESSING CHECKED BY : D. MACKIE

CDP	909
SPN	776
VRMS FT/SEC	TIME MSEC
4850	3464
5399	3703
5386	3959
5332	4193
5467	4785
5729	5005
6059	5366
6605	5845
7064	6255
7493	6707
10600	10000

CDP	973
SPN	840
VRMS FT/SEC	TIME MSEC
4850	3476
5433	3829
5365	4201
5378	4698
5659	4909
6113	5399
6467	5678
6732	5915
7306	6349
7529	6738
10600	10000

CDP	1037
SPN	904
VRMS FT/SEC	TIME MSEC
4850	3494
5449	3814
5424	3996
5401	4160
5349	4659
5701	4916
6428	5554
6730	5977
7141	6313
7635	6895
10600	10000

XLINES												XLINES
CDP	853	877	901	925	949	973	997	1021	1045	1069	1093	CDP
WD FT	8400	8400	8400	8400	8415	8431	8447	8463	8479	8495	8496	WD FT
SPN	720	744	768	792	816	840	864	888	912	936	960	SPN



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