HS 02770

4-266

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 2968 - 3967

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.)

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PROCESSING CHECKED BY : D. MACKIE

L8
03 APR 1975
16:25:15

SBTJS2BL 07-001 03APR75 16-26-20 SBTJS2BL 07-002 03APR75 16-26-20 SBTJS2BL 07-003