SOUTHEAST

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 USGS ('COMPANY') FOR USE BY COMPANY UNDER RESTRICTIONS OF DISCLOSURE AND REPRODUCTION CONTAINED IN THE 'AGREEMENT' BETWEEN GSI AND COMPANY DATED 2-75

LINE 4

SHOTPOINTS 5080 - 5393

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.)

L4
19 APR 1975
07:15:28

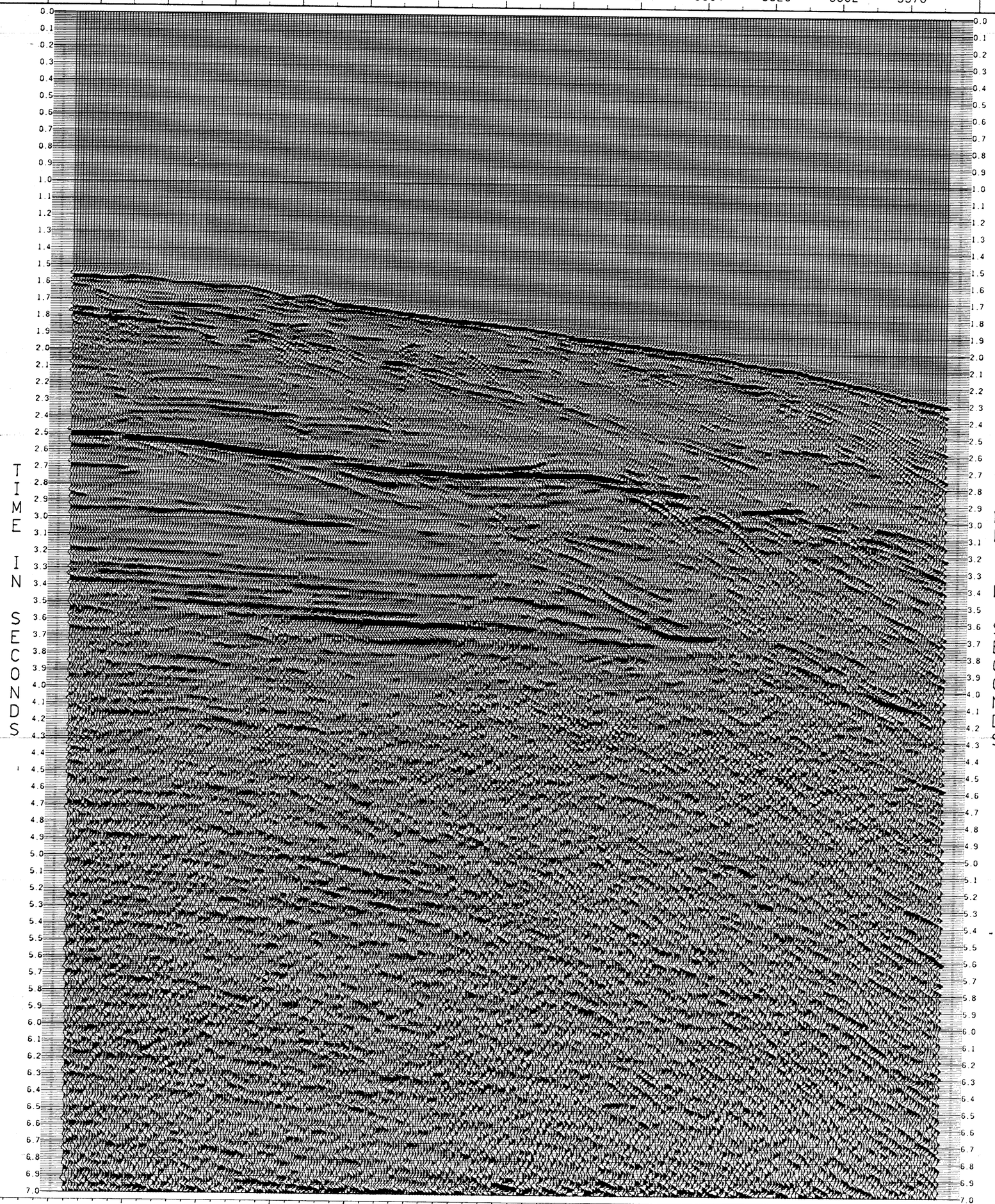
PROCESSING CHECKED BY : D. MACKIE

CDP 5133 SPN 5112	
VRMS FT/SEC	TIME MSEC
4850	1562
5106	1727
5678	1873
6301	2393
6555	2535
7601	2861
8189	2960
9596	3508
10554	3914
12000	5000
14000	7000

CDP 5197 SPN 5176	
VRMS FT/SEC	TIME MSEC
4850	1690
5279	1910
5615	2166
6062	2442
6314	2671
6800	2775
7743	3035
9036	3385
9611	3601
12000	5000
14000	7000

CDP 5261 SPN 5240	
VRMS FT/SEC	TIME MSEC
4850	1846
5360	2051
6082	2289
6300	2500
6549	2680
7321	2936
8736	3235
9347	3443
10000	3850
11000	4500
13700	7000

CDP 5325 SPN 5304	
VRMS FT/SEC	TIME MSEC
4850	2010
5443	2163
5984	2559
6864	2943
7926	3386
8400	3600
9052	3689
9600	4000
10020	4245
11000	5000
13200	7000

CDP 5359 SPN 5338	
VRMS FT/SEC	TIME MSEC
4850	2106
5552	2272
5910	2500
6324	2753
6784	2929
7613	3403
8154	3574
8869	3831
10000	4190
11000	5000
13200	7000

XLINES														XLINES
											LINE 8 SP 48			
CDP	5109	5133	5157	5181	5205	5229	5253	5277	5301	5325	5349	5373	5397	CDP
WD FT	3712	3770	3863	4011	4144	4286	4428	4571	4722	4874	5025	5207	5391	WD FT
SPN	5088	5112	5136	5160	5184	5208	5232	5256	5280	5304	5328	5352	5376	SPN