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 G.S.I. ('COMPANY') FOR USE BY COMPANY UNDER RESTRICTIONS OF DISCLOSURE AND REPRODUCTION CONTAINED IN THE 'AGREEMENT' BETWEEN GSI AND COMPANY DATED 9-75

LINE 4

SHOTPOINTS 5080 - 5393

BERMUDA TRIANGLE

OFFSHORE
EAST COAST USA

TRUE AMPLITUDE 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 + 1000	8-60

TIME VARIANT SCALING

NOT APPLIED

DISPLAY

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

DISPLAY GAIN

INPUT	
CDP	ALL
GAIN DB	TIME MSEC
-86.0	5000

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

L4
19 APR 1975
07:13:55

PROCESSING CHECKED BY : D. MACKIE

CDP / SPN	5133 / 5112		CDP / SPN	5197 / 5176		CDP / SPN	5261 / 5240		CDP / SPN	5325 / 5304		CDP / SPN	5389 / 5368	
VRMS FT/SEC	TIME MSEC		VRMS FT/SEC	TIME MSEC		VRMS FT/SEC	TIME MSEC		VRMS FT/SEC	TIME MSEC		VRMS FT/SEC	TIME MSEC	
4850	1562		4850	1690		4850	1846		4850	2010		4850	2106	
5106	1727		5279	1910		5360	2051		5443	2163		5552	2272	
5678	1873		5615	2166		6082	2289		5984	2559		5910	2500	
6301	2393		6062	2442		6500	2500		6864	2943		6324	2753	
6555	2535		6314	2671		6549	2680		7926	3386		6784	2929	
7601	2861		6800	2775		7321	2936		8400	3500		7613	3403	
8189	2960		7743	3035		8736	3235		9052	3689		8154	3574	
9596	3508		9036	3385		9347	3443		9600	4000		8869	3831	
10554	3914		9611	3601		10000	3850		10020	4245		10000	4190	
12000	5000		12000	5000		11000	4500		11000	5000		11000	5000	
14000	7000		14000	7000		13700	7000		13200	7000		13200	7000	

XLINES									LINE 8 SP 48						XLINES
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

TIME IN SECONDS