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 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 1

SHOTPOINTS 962 - 1

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.)

L1
01 MAY 1975
01:27:06

PROCESSING CHECKED BY : D. MACKIE

XLINES																																						
CDP	5858	5882	5906	5930	5954	5978	6002	6026	6050	6074	6098	6122	6146	6170	6194	6218	6242	6266	6290	6314	6338	6362	6386	6410	6434	6458	6482	6506	6530	6554	6578	6602	6626	6650	6674	6698	6722	6746	6770	6794	6817
WD FT	9684	9684	9684	9684	9684	9684	9684	9680	9670	9660	9649	9639	9647	9668	9688	9710	9753	9796	9839	9882	9925	9975	10034	10093	10097	10106	10141	10174	10199	10224	10249	10274	10299	10315	10315	10315	10315	10315	10315	10315	10315
SPN	960	936	912	888	864	840	816	792	768	744	720	696	672	648	624	600	576	552	528	504	480	456	432	408	384	360	336	312	288	264	240	216	192	168	144	120	96	72	48	24	1

SBTJS2BL 09-001 01MAY75 01-28-46 SBTJS2BL 09-002 01MAY75 01-28-46 SBTJS2BL 09-003