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 4

SHOTPOINTS 2080 - 3079

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
30 MAY 1975
03:46:21

PROCESSING CHECKED BY : D. MACKIE

XLINES														
CDP	2109	2133	2157	2181	2205	2229	2253	2277	2301	2325	2349	2373	2397	2421
WD FT	1651	1614	1647	1616	1610	1624	1617	1643	1669	1685	1724	1705	1712	1733
SPN	2088	2112	2136	2160	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400

CDP	2445	2469	2493	2517	2541	2565	2589	2613	2637	2661	2685	2709	2733	2757
WD FT	1753	1730	1738	1747	1756	1762	1863	1769	1782	1795	1846	1927	1978	1990
SPN	2424	2448	2472	2496	2520	2544	2568	2592	2616	2640	2664	2688	2712	2736

CDP	2781	2805	2829	2853	2877	2901	2925	2949	2973	2997	3021	3045	3069	3093
WD FT	1921	1975	2068	1980	1980	2001	1983	1936	1949	1969	1991	2012	2037	2070
SPN	2760	2784	2808	2832	2856	2880	2904	2928	2952	2976	3000	3024	3048	3072