WS02768

4-264
9-C

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 H.S.G.S. ("COMPANY") FOR USE BY COMPANY UNDER RESTRICTIONS OF DISCLOSURE AND REPRODUCTION CONTAINED IN THE "AGREEMENT" BETWEEN GSI AND COMPANY DATED 8-26

# LINE 8

SHOTPOINTS 968 - 1967

## 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 | T 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

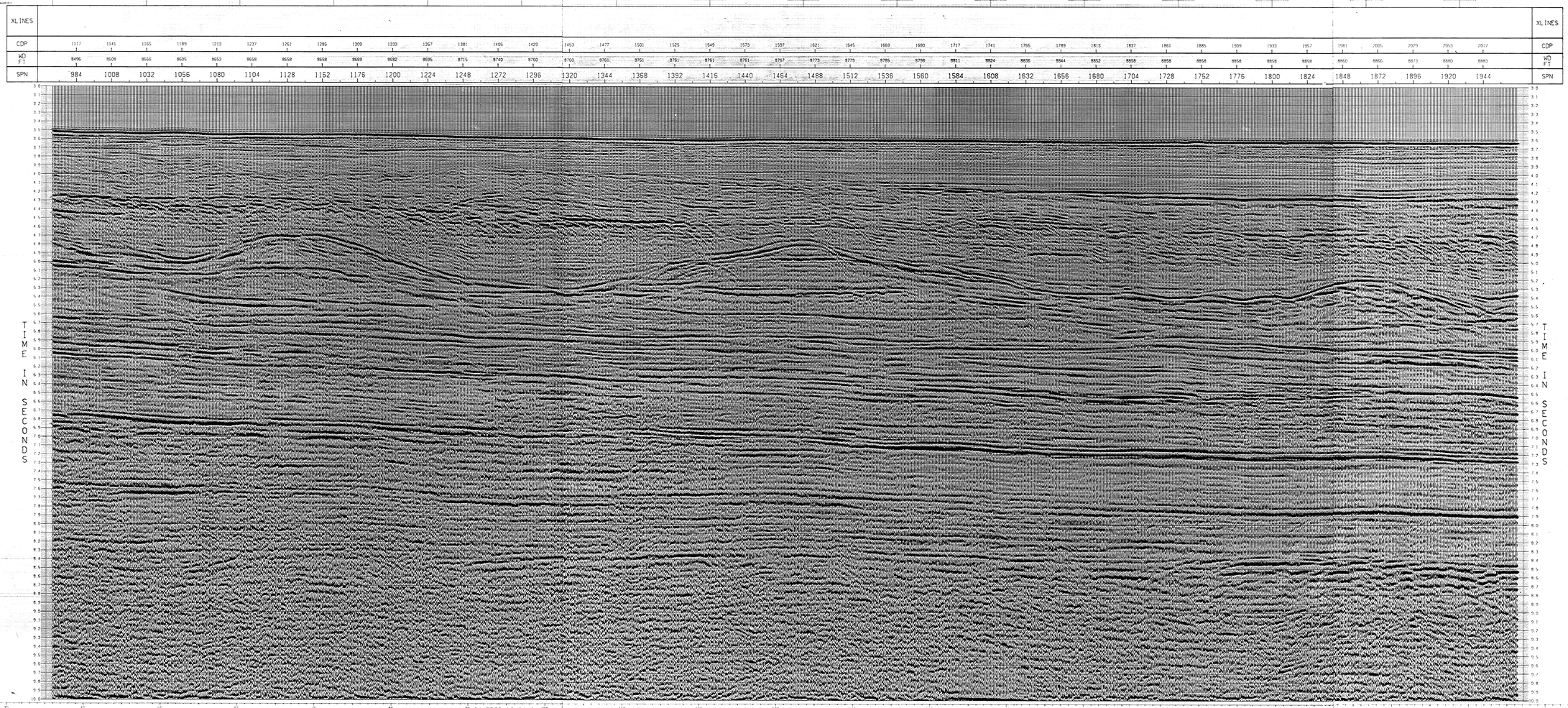
**DISPLAY**
WIGGLE TRACE VARIABLE AREA
24 TRACES/IN.
2.5 INCHES/SEC.

DISPLAY GAIN

| CDP | RLT |
|---|---|
| GAIN | TIME |
| DB | MSEC |
| 82.0 | 5000 |

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

LIPEN

PROCESSING CHECKED BY D. MACKIE

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