MS 02766

4-262 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 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 8

SHOTPOINTS 6 TO 717

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.)

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L8
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PROCESSING CHECKED BY D. MACKIE

CDP 141 SPN 8 VRMS FT/SEC	TIME MSEC
4850	1937
5216	2062
5651	2330
6000	2500
6427	2759
7100	3000
8000	3315
8754	3593
11000	4500
12000	5500
14300	8500

CDP 205 SPN 72 VRMS FT/SEC	TIME MSEC
4850	2139
5221	2330
5353	2582
5783	2809
6295	3000
6659	3230
7295	3500
10011	4145
11000	5000
12000	6000
14000	8500

CDP 269 SPN 136 VRMS FT/SEC	TIME MSEC
4850	2352
5229	2527
5495	2865
5852	3049
6026	3337
6480	3665
7076	3891
8350	4446
10200	5000
12000	6500
13600	8500

CDP 333 SPN 200 VRMS FT/SEC	TIME MSEC
4850	2519
5121	2647
5356	2756
5301	2981
5673	3266
6246	3686
6414	3834
6686	4087
8027	5041
8800	5618
12000	8500

CDP 397 SPN 264 VRMS FT/SEC	TIME MSEC
4850	2703
5126	2817
5265	3071
5248	3227
5402	3518
6322	3972
6639	4482
7558	4831
8395	5281
9160	5895
11320	8500

CDP 461 SPN 328 VRMS FT/SEC	TIME MSEC
4850	2883
5176	3024
5208	3178
5179	3400
5348	3681
5466	4041
6378	4728
7075	4972
7662	5223
8719	6037
11300	8500

CDP 525 SPN 392 VRMS FT/SEC	TIME MSEC
4850	3036
5311	3249
5186	3595
5444	3886
5633	4063
5636	4252
6276	4874
6871	5128
7434	5502
7741	5984
10000	8500

CDP 589 SPN 456 VRMS FT/SEC	TIME MSEC
4850	3159
5254	3321
5416	3679
5542	3909
5570	4070
5732	4281
5988	4655
6290	4890
6968	5183
7520	5583
10000	8500

CDP 653 SPN 520 VRMS FT/SEC	TIME MSEC
4850	3273
5204	3449
5272	3614
5437	3870
5592	4167
5719	4354
6024	4664
6221	4897
7244	5490
7885	6251
9900	8500

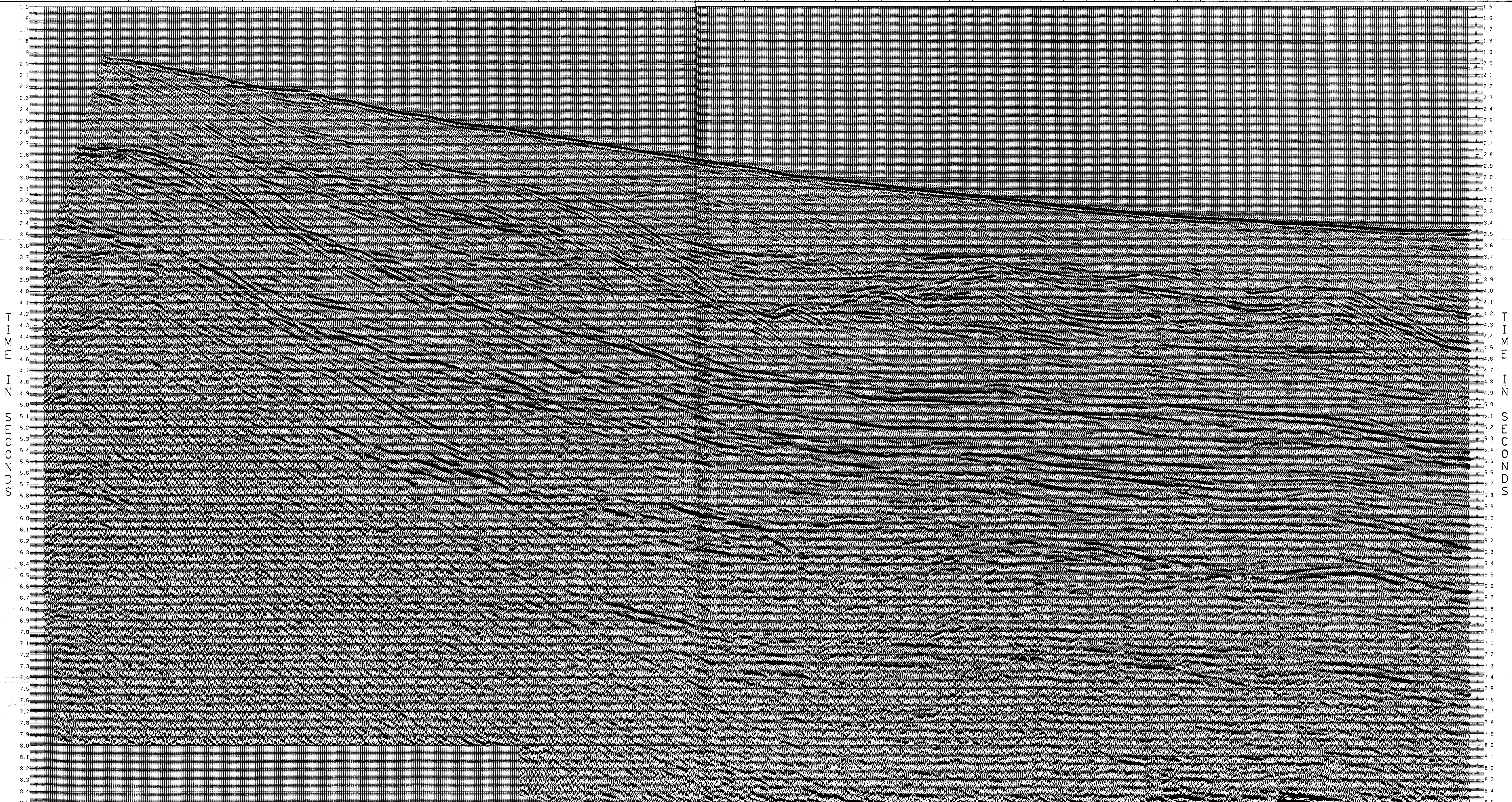
CDP 717 SPN 584 VRMS FT/SEC	TIME MSEC
4850	3351
5237	3607
5399	3832
5480	4110
5609	4257
6029	4881
6503	5320
7145	5647
7550	6114
8115	6484
9700	8500

CDP 781 SPN 648 VRMS FT/SEC	TIME MSEC
4850	3409
5380	3685
5252	3985
5359	4229
5714	4538
5989	4979
6550	5367
6816	5663
6959	5990
7327	6493
9200	8500

CDP 845 SPN 712 VRMS FT/SEC	TIME MSEC
4850	3453
5200	3580
5238	3966
5292	4191
5190	4449
5313	4604
5979	5101
6313	5389
6680	5887
7494	6258
9200	8500

XLINES: LINE 4 SP 5338 (at CDP 181)

CDP	139	157	181	205	229	253	277	301	325	349	373	397	421	445	469	493	517	541	565	589	613	637	661	685	709	733	757	781	805	829
WD FT	4590	4733	4982	5201	5397	5593	5790	5924	6053	6194	6375	6557	6739	6899	7043	7187	7331	7463	7559	7655	7763	7907	7979	8045	8110	8172	8220	8268	8316	8364
SPN	6	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480	504	528	552	576	600	624	648	672	696



SBTJS2BL 21-001   13APR75 20-54-21   SBTJS2BL 21-002