SOUTHEAST

U.S.G.S.

OFFSHORE EAST COAST U.S.A.

LINE IPOD

SHOTPOINTS 8661-10299

DEPTH SECTION

FIELD DATA

DATE SHOT	SEPT-OCT 1974
VESSEL OR LOCATION	R/V GOLD
SOURCE CAPACITY	1400 CU INCHES
SOURCE DEPTH	10 METERS
SOURCE SHOT INTERVAL	18 METERS
RECEIVER DEPTH	10 METERS
RECEIVER GROUP INTERVAL	18 METERS
RECORDING INSTRUMENTS	DFS V
RECORDING FILTERS	3-36 HZ
	LOW CUT OUT
SAMPLE RATE	4 MSEC
RECORD LENGTH	7 SEC

DIGITAL PROCESSING

DATUM - SEA LEVEL

TRUE AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE AND TRANSMISSION LOSS
T1 = 1.0 SECONDS
T2 = 4.0 SECONDS

DECONVOLUTION
SPIKE AND PREDICTIVE DECONVOLUTION
DESIGN WINDOW 2.0 SECONDS
OPERATOR LENGTH 0.200 SECONDS
PREDICTION DISTANCE 0.024 SECONDS
OPERATOR WHITENING 0.1 PERCENT

VELOCITY ANALYSIS
SEMI-AUTOMATIC PICKS ON 2000 MEGA FLOPS CDC 6600 COMPUTER
CONTROL POINTS EVERY 2 KILOMETERS ALONG THE LINE
SMOOTHED VELOCITY FUNCTIONS USED FOR NMO CORRECTIONS

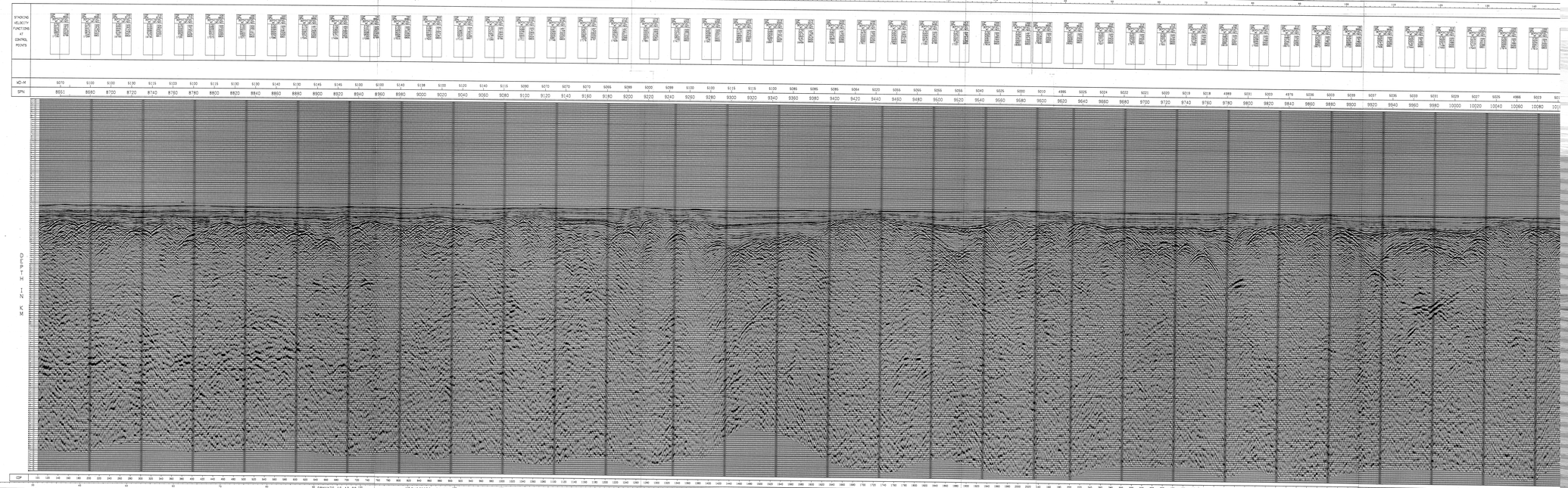
NORMAL MOVEOUT CORRECTIONS
STRETCH MUTE 30 PERCENT
INTERPOLATED TRACES ADDED TO 36 FOLD COVERAGE
ALL TRACES WITH EXCESSIVE STRETCHING WERE DESTRESSED

CDP STACK
36 FOLD CDP STACK WITH 1 (SQRT(FOLD)) RECOVERY SCALING

DIGITAL FILTER
BROADBAND 3-36 HZ
SHORT TIME DOMAIN FILTER
TIME VARIANT SCALING
LINEAR GATES STARTING AT THE WATER BOTTOM

DIP-FILTERING
DEPTH CONVERSION
DISPLAY
FULL-SCALE 1.85 CM/CDP 1.33 CM/CDP
1.85 CM/CDP 1.33 CM/CDP

1 CM/C 2 CM/C

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

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