M66 06200002 T.F. 32

SOUTHEAST

U.S.G.S.

OFFSHORE EAST COAST U.S.A.

LINE 10

SHOTPOINTS 1101-2768

SCALED SECTION

FIELD DATA

DATE SHOT	OCT 20-NOV 3 1975
RECORDED BY DIGICON	MV GEO SEAL
ENERGY SOURCE	AIR GUN ARRAY
ENERGY SOURCE CAPACITY	1100 CUBIC INCHES
SHOT INTERVAL	15 METERS
FIRING SHOT OFFSET	148 METERS
CALIBRATION INTERVAL	120 METERS
POP INTERVAL	60 METERS
MULTIPLICITY	36-FOLD
STREAMER LENGTH	3600 METERS
STREAMER DEPTH	12 METERS
GROUP CENTER INTERVAL	100 METERS
GROUPS/LEAD	100 LEADS
RECORDING INSTRUMENTS	DFS V
	BINARY GAIN
RECORDING FILTERS LOW	8 HZ
HIGH	248 HZ
SAMPLE RATE	2 MS
RECORD LENGTH	VARIES

DIGITAL PROCESSING

DATUM - SEA LEVEL

TRUE AMPLITUDE RECOVERY

SPHERICAL DIVERGENCE AND EXPONENTIATION WITH
ALPHA = 4 DB/SECOND
T1 = WATER BOTTOM
T2 = 5 SECONDS

DEWATER

A DECONVOLUTION METHOD ESPECIALLY DESIGNED FOR DEEP WATER TRAPPED ENERGY WAS APPLIED

VELOCITY ANALYSIS

A SEMI-AUTOMATIC PICK WAS PERFORMED EVERY 3 KM, USING A MODIFIED VELOCITY SPECTRUM. THE VELOCITY FUNCTIONS INTERPRETED ARE ANALYZED AT THE TOP OF THE SECTION AT THE WAN SHOTPOINTS.

NORMAL MOVEOUT CORRECTIONS

NMO CORRECTIONS WERE MADE USING THE INTERPRETED VELOCITY FUNCTIONS. VELOCITIES AT INTERMEDIATE LOCATIONS WERE DETERMINED BY INTERPOLATION.

CDP STACK

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

DIGITAL FILTER

NON-NORMALIZED BANDPASS FILTERS

FILTER A	12-35 HZ
FILTER B	8-35 HZ
FILTER C	8-25 HZ

SEE SECTION HEADER FOR SPACE-VARIANT FILTER SPECIFICATION

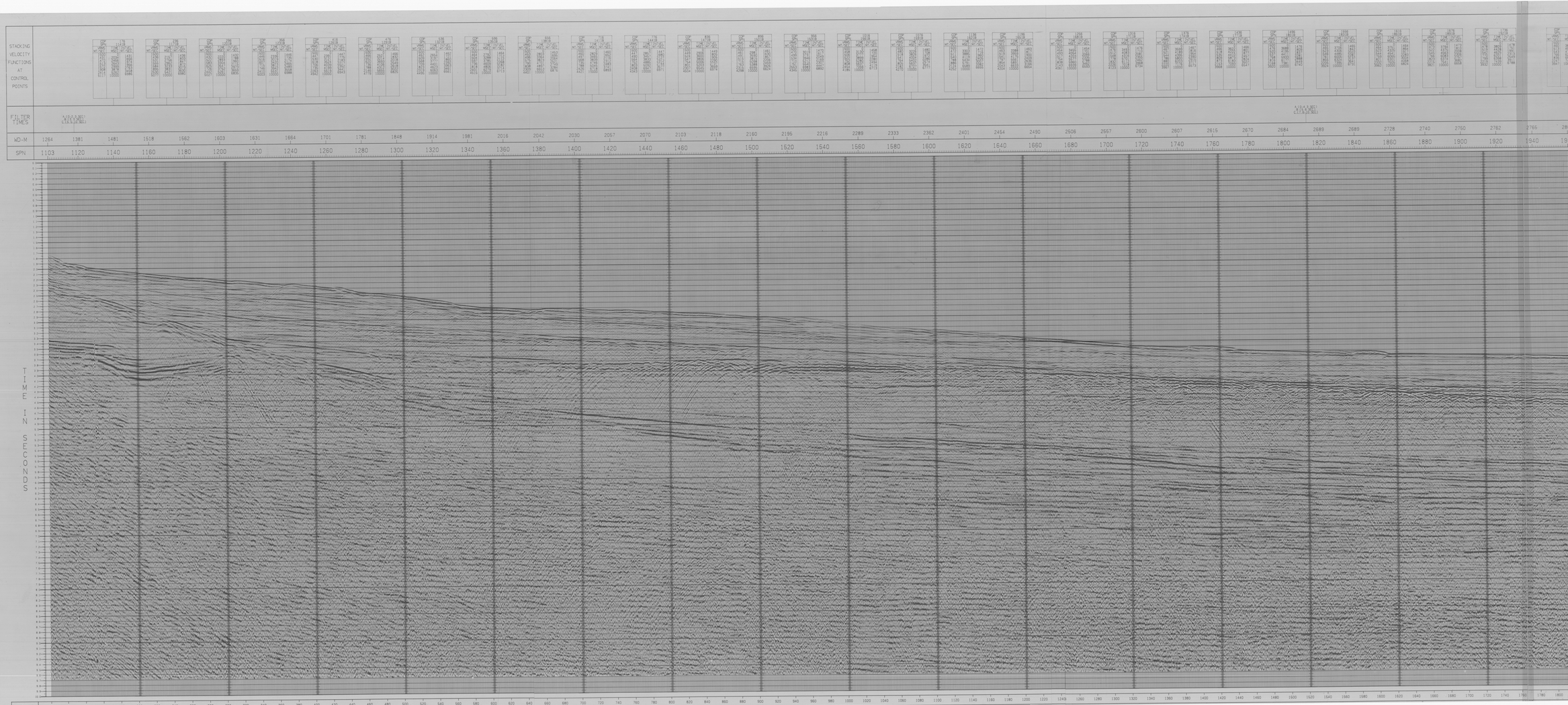
TIME VARIANT SCALING

1000 MS GATES STARTING AT THE WATER BOTTOM

DISPLAY

FULL-SCALE	2.8 IN/SEC	1.21 KM/IN
HALF-SCALE	1.28 IN/SEC	2.42 KM/IN

0 1 DMI 2 DMI

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

PARTY 3078
CHECKED BY _____ 26 APR 1976