DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 82-211

Plate 2 of 10

SOUTH CAROLINA

LINE SC-2

SHOTPOINTS 25-378

SCALED FILTERED STACK

FIELD DATA

DATE	OCT 1981
RECORDING INSTRUMENTS	TI DFS-IV
NUMBER OF CHANNELS	24
SHOT HOLE DEPTH	20 FT
SHOT HOLE	STACK
SHOT HOLE LOADING	20 LB
SHOT HOLE CONDITIONS	DRY
GEOPHONES	10 HZ
GEOPHONE FREQUENCIES	10 HZ
FILTERS	10 HZ 400-5000
SAMPLE INTERVAL	2 MSEC
RECORD LENGTH	5 SEC
NUMBER OF GROUPS	12 TO 142
MUTES	NONE

DIGITAL PROCESSING

JULY 1979

TRUE AMPLITUDE RECOVERY
ALPHA=2.5 DB/SEC

CROOKED LINE CDP GATHER

DECONVOLUTION (CAPPED)
OPERATOR LENGTH=148 MSEC
GAP LENGTH=32 MSEC

TIME VARIANT SCALING
GATE LENGTH=1500 MSEC

RESIDUAL STATICS ANALYSIS

VELOCITY ANALYSIS

NORMAL MOVEOUT
VELOCITY REFERENCE-SURFACE
SEE TOP OF SECTION FOR VELOCITIES

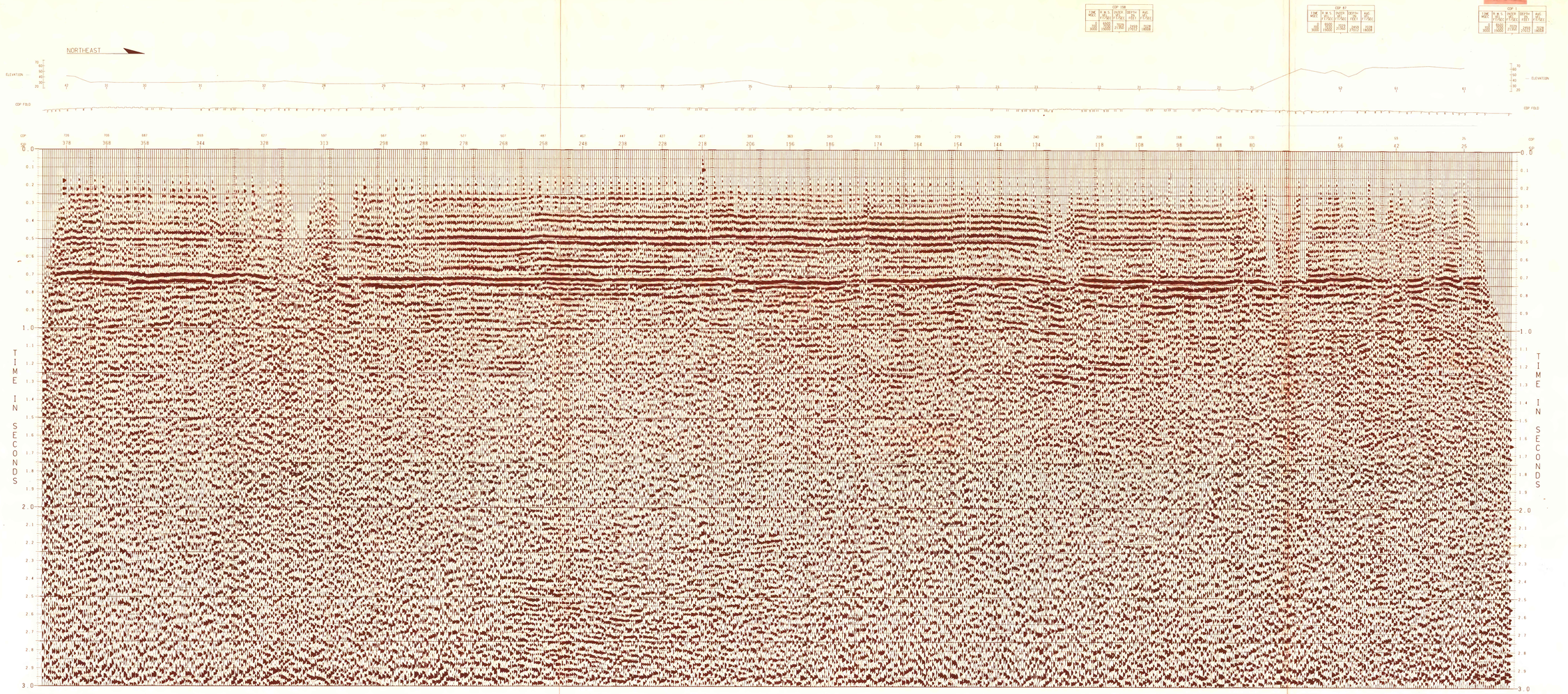
DATUM STATIC APPLICATION
DATUM=SEA LEVEL
REPLACEMENT VELOCITY=5600 FT/SEC

CDP STACK

DIGITAL FILTER
10 - 45 HZ

TIME VARIANT SCALING
1500 MSEC GATES

DISPLAY
2.5 IN/SEC
12 TRACES/IN
SCALE 1 IN=1200 FT

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

PROCESSING CHECKED BY
BRUCE MIZE