DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
82-311

Plate 5 of 10

SOUTH CAROLINA

LINE SC-5

SHOTPOINTS 4-260

SCALED FILTERED STACK

FIELD DATA

SHOT BY:	GSI PARTY 1331
DATE SHOT	JUNE 1979
ENERGY SOURCE	VIBRATORS
RECORDING INSTRUMENTS	DFS V
GEOPHONE GROUP	6 EA. 10 Hz TRACK
ANALOG FILTER	8-18 Hz
ANALOG TRACE	4 MSEC
RECORD LENGTH	5 SEC
NUMBER OF VIBRATORS	3
SWEEP LENGTH	7 SEC
SWEEP FREQUENCIES	12 - 50 Hz
CAP FOLD	6000: 200-D-400-5000
SHOT INTERVAL	200 FT
GROUP INTERVAL	100 FT
ANGLE TOP	50° D (10 HZ)
NUMBER OF GROUPS	12
MULTIPLICITY	12

DIGITAL PROCESSING

JULY 1979

TRUE AMPLITUDE RECOVERY **
ALPHA=4.5 DB/SEC

CROOKED LINE CDP GATHER

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

TRACE EQUALIZATION
GATE LENGTH=1500 MSEC

RESIDUAL STATICS ANALYSIS

VELOCITY ANALYSIS

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

DATUM STATIC APPLICATION
DATUM=5000 FT
REPLACEMENT VELOCITY=14000 FT/SEC

CDP STACK

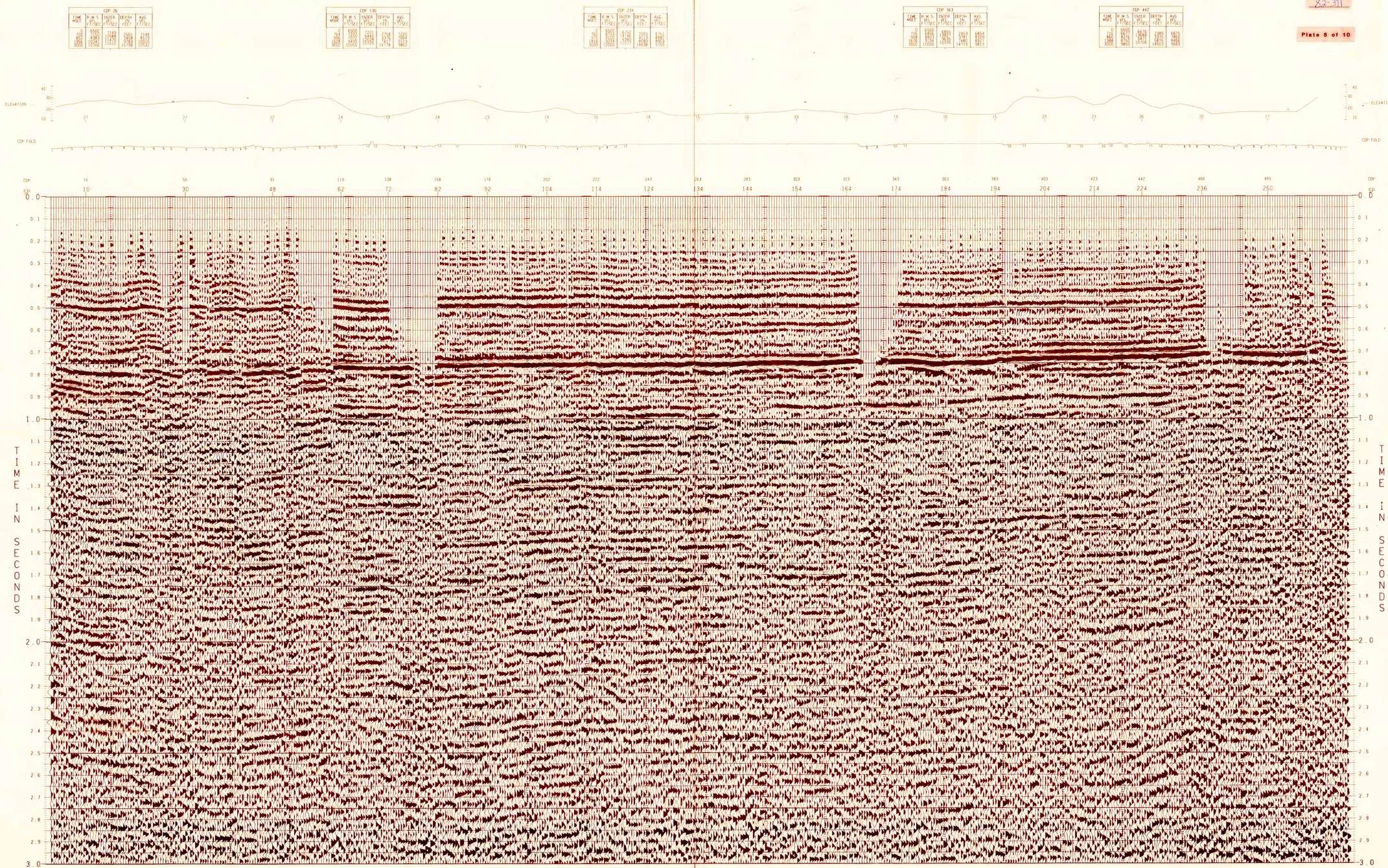
DIGITAL FILTER
10 - 45 HZ

TRACE EQUALIZATION
1500 MSEC GATE

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

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

PROCESSING CHECKED BY .....



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