DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT

Plate 8 of 10

SOUTH CAROLINA

LINE SC-8

SHOTPOINTS 12-108

SCALED FINAL STACK

FIELD DATA

SHOT BY	GSI PARTY 1331
DATE SHOT	JUNE 1979
ENERGY SOURCE	VIBRATORS
RECORDING INSTRUMENTS	DFS IV
TAPE FORMAT	1 IN 21 TRACK
RECORDING FILTER	8/18-62 HZ
SAMPLE PERIOD	4 MSEC
RECORD LENGTH	3 SEC
NUMBER OF VIBRATORS	3
SWEEPS PER SHOT	1 X 15
SWEEP LENGTH	10 SEC
SWEEP FREQUENCIES	10 - 60 HZ
SPREAD	5000-400-0-400-5000
SHOT INTERVAL	400 FT
GROUP INTERVAL	200 FT
PHONE TYPE	20-D (10 HZ)
NUMBER OF GROUPS	48
MULTIPLICITY	12

DIGITAL PROCESSING

JULY 1979

TRUE AMPLITUDE RECOVERY
ALPHA=4.5 DB/SEC

CROOKED LINE CDP GATHER

DECONVOLUTION (GAPPED)
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=14000 FT/SEC

CDP STACK

DIGITAL FILTER
10 - 45 HZ

TIME VARIANT SCALING
1500 MSEC GATES

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

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

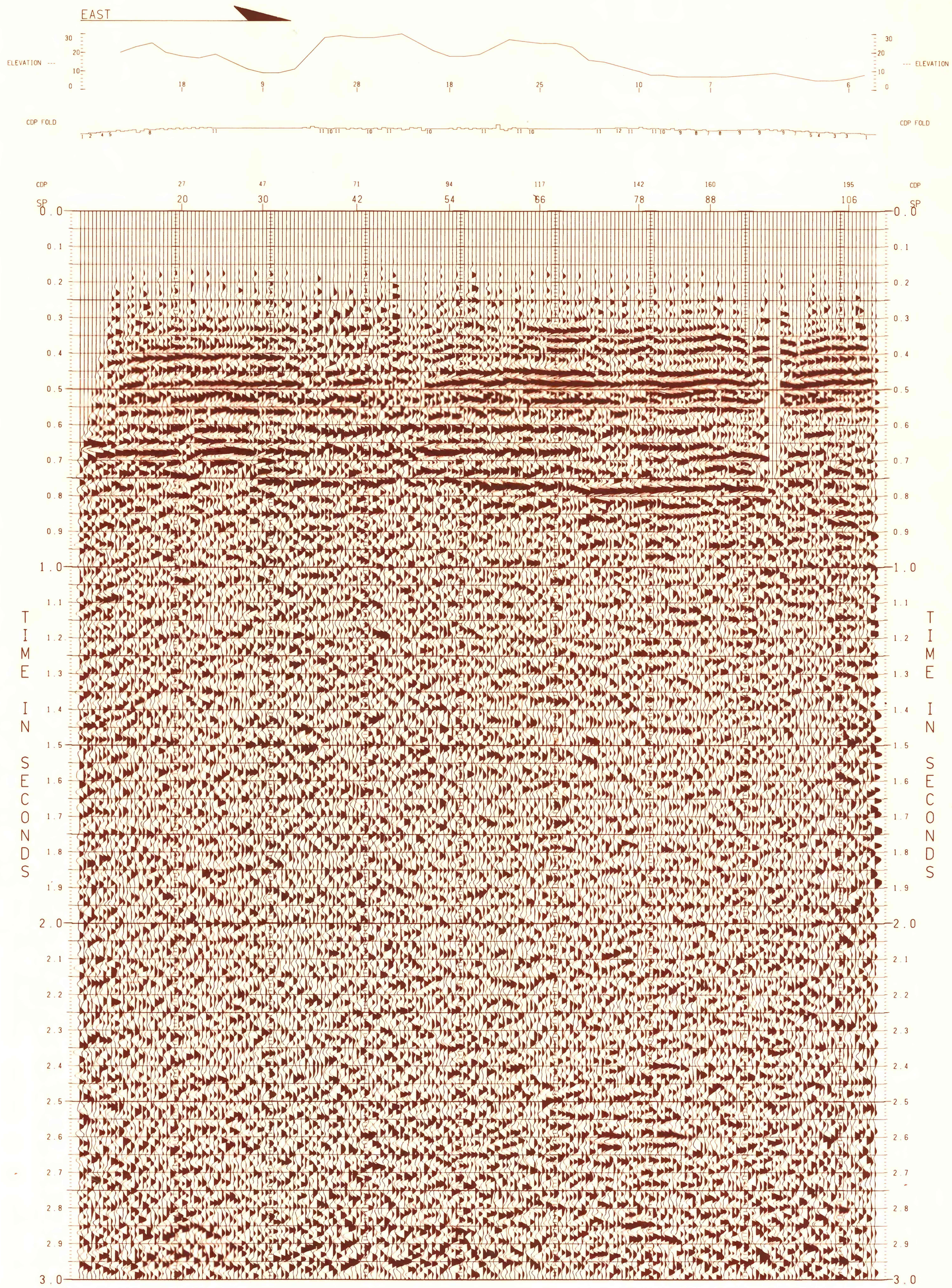
PROCESSING CHECKED BY
BRUCE MIZE

CDP 1

TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC	DEPTH IN FEET	AVG. VEL. FT/SEC
0	6500			
684	6829	6828	2334	6827
780	7929	13361	2976	7632
1548	9232	10389	6965	8999
3000	9900	10565	14635	9757

CDP 96

TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC	DEPTH IN FEET	AVG. VEL. FT/SEC
0	6500			
684	6829	6828	2334	6827
780	7929	13361	2976	7632
1548	9232	10389	6965	8999
3000	9900	10565	14635	9757

CDP 168

TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC	DEPTH IN FEET	AVG. VEL. FT/SEC
0	6500			
700	6800	6799	2379	6798
800	8300	15081	3133	7834
1524	9150	10005	6755	8865
3000	9800	10428	14451	9634