DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT

Plate 1 of 10

SOUTH CAROLINA

LINE SC-1

SHOTPOINTS 1-212

SCALED FILTERED STACK

FIELD DATA

SHOT BY	GSI PARTY 1331
DATE SHOT	JUNE 1979
ENERGY SOURCE	VIBRATORS
RECORDING INSTRUMENTS	TI DFS V
TAPE FORMAT	9 TK - 21 TRACK
DIGITAL 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	6600, 600 @ 400-5000
SHOT INTERVAL	400 FT
GROUP INTERVAL	200 FT
PHONE TYPE	20 @ (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
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

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

PROCESSING CHECKED BY
BRUCE MIZE

CDP 372

TIME MSEC	R.M.S. VEL. FT/SEC	INTER VEL. FT/SEC	DEPTH TO INT. FEET	AVG. VEL. FT/SEC
0	6000			
1050	6582	6582	2343	6582
1750	7170	7757	4979	7168
3500	13405	18613	15098	11907
9000			19570	12951

CDP 287

TIME MSEC	R.M.S. VEL. FT/SEC	INTER VEL. FT/SEC	DEPTH TO INT. FEET	AVG. VEL. FT/SEC
0	6000			
375	6350	6243	1195	6249
775	6756	7278	2401	6474
1600	9056	14539	5049	8174
9000	13600		19631	13075

CDP 185

TIME MSEC	R.M.S. VEL. FT/SEC	INTER VEL. FT/SEC	DEPTH TO INT. FEET	AVG. VEL. FT/SEC
0	6000			
400	6350	6249	1269	6348
775	6778	7264	2380	6604
1650	8513	13749	5047	8534
9000	13600		19638	13108

CDP 89

TIME MSEC	R.M.S. VEL. FT/SEC	INTER VEL. FT/SEC	DEPTH TO INT. FEET	AVG. VEL. FT/SEC
0	6000			
400	6350	6249	1269	6348
775	6778	7264	2380	6604
1650	8513	13749	5047	8534
9000	13600		19638	13108

NORTHEAST

ELEVATION

CDP FOLD

CDP

SP

TIME IN SECONDS