DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
82-311

Plate 9 of 10

SOUTH CAROLINA

LINE SC-9

SHOTPOINTS 1-155

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	6/18-62 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 - 50 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

GEOPHYSICAL SERVICE INC
(A SUBSIDIARY OF TEXAS INSTRUMENTS INC)

PROCESSING CHECKED BY
BRUCE MIZE

CDP 217

TIME MSEC	R M S VEL FT/SEC	INTER VEL FT/SEC	DEPTH IN FEET	AVG VEL FT/SEC
0	6500			
660	6750	6749	2226	6748
1048	8707	11281	4415	8426
1864	10500	12498	9485	10178
3000	11000	11774	16173	10782

CDP 99

TIME MSEC	R M S VEL FT/SEC	INTER VEL FT/SEC	DEPTH IN FEET	AVG VEL FT/SEC
0	6500			
672	6726	6725	2259	6724
1296	8764	10526	5543	8555
1920	10424	13271	9668	10071
3000	11000	11955	16123	10749

CDP 1

TIME MSEC	R M S VEL FT/SEC	INTER VEL FT/SEC	DEPTH IN FEET	AVG VEL FT/SEC
0	6500			
672	6726	6725	2259	6724
1296	8764	10526	5543	8555
1920	10424	13271	9668	10071
3000	11000	11955	16123	10749

NORTHEAST

ELEVATION

CDP FOLD

CDP 275 244 220 194 176 154 133 113 91 62 48 16

SP 148 132 120 106 96 85 74 64 54 36 28 10

TIME IN SECONDS