

PLATE III D
SOUTHEAST

TENNESSEE DEPT OF CONSERVATION

STATE OF TENNESSEE

LINE TC-2

DEPTHPOINTS 101 - 764

DEPTH SECTION

FIELD DATA

FIELD PARTY: 1386
DATE SHOT: FEB 8 THROUGH FEB 26, 1977
ENERGY SOURCE: 12 1/2 LBS. LIBRATORS 16 IN. 40 FEET APART, 1/4 FOOT MOVE UP
RECEIVER ARRAY: 12 GROUPS, 12 IN. SPY 1140
RECORDING INSTRUMENTS: TITAN 1888, 1888-1 COMPUTER
RECORDING FILTERS: 1888
GAIN CONTROL: 60V, 1888
SAMPLE RATE: 1 MILLI-SECOND
CORRELATION: 4 SECONDS AFTER CORRELATION
MULTIPLY: NOMINAL 1/16 FOOT
SPREAD LENGTH: 1700 LINES 16 FOOT
CAP BETWEEN GROUP 12 AND 13: 7/8 FEET
ENERGY SOURCE SIZE: 12 1/2 LBS.
WELL TYPE: HALL SEARS TYPE L 21A
SLOT OFFSET: 200 FEET
GROUP CENTER INTERVAL: 440 FEET
TRACE INTERVAL: 48 FEET
TRACE FORMAT: 48 TRACES

DIGITAL PROCESSING

EDIT AND TRUE AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE AND EXPONENTIAL
ALPHA TIME: 0.5 MSEC
FINAL TIME: 0.0

TIME-VARIANT DECONVOLUTION

NUMBER OF FILTERS: 152 MSEC
FILTERS ARE NOT NORMALIZED

EQUALIZATION

DATUM STATICS APPLICATION

DATUM: SMOOTHED SURFACE
CORRECTIVE VELOCITY: 10000 FT/SEC

VELOCITY EVALUATION

TYPE: 709

NORMAL MOVEOUT CORRECTIONS

SECTION HEADER FOR INFORMATION
CONVERTING VELOCITY FUNCTION USED

FIRST BREAK SUPPRESSION

0 MSEC AT 1000 FT
800 MSEC AT 10000 FT

AUTOMATIC RESIDUAL STATICS

COMMON DEPTH POINT STACK

STACKING MODE: STRAIGHT
RECOVERY SCALING: UNITY (TRA)
PROCESSING FOLD: 12

EQUALIZATION

DIP FILTER
TIME-VARIANT DIGITAL FILTERING

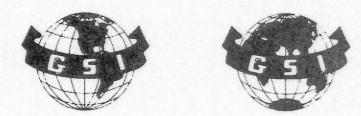
02 - 48 HZ AT 100 MSEC
02 - 48 HZ AT 500 MSEC
02 - 48 HZ AT 1000 MSEC
14 - 55 HZ AT 1000 MSEC
14 - 55 HZ AT 4000 MSEC

TIME-DEPTH CONVERSION

DISPLAY SPECIFICATIONS

TRACE SCALING: 18 INCHES/FT
DEPTH SCALE: 1000 INCHES/FT
TRACE BIAS: 15 PERCENT

| DISPLAY GAIN | |
|--------------|-------|
| CDP | AMP |
| GAIN | DEPTH |
| 1.0 | 10000 |



GEOPHYSICAL SERVICE INC.

(A SUBSIDIARY OF TEXAS INSTRUMENTS INC.)

TENEX12
03 OCT 1977
PROCESSING CHECKED BY: _____
22 34 26

