

# SAVANNAH RIVER SITE AIKEN, S. CAROLINA

## LINE SRS-26

AUTOMATIC LINE DRAWING (STACK)  
1:1 DISPLAY FOR VEL. 6 KM/S

DATUM 80 METERS

NORTHEAST

### RECORDING PARAMETERS

DATE RECORDED : APRIL 1988 SOURCE ARRAY : 2X6/16 M (60 FT)  
CONTRACTOR : CONOCO NO. 28V130 SHOT INTERVAL : 24.4 M (80 FT)  
GROUP INTERVAL : 12.2 M (40 FT) FAR OFFSET : 604 M (1980 FT)  
NEAR OFFSET : 30.5 M (100 FT) SAMPLE RATE : 2 MSEC  
INSTRUMENTS : MDS-10 RECORD LENGTH : 14 SEC (4 SEC)  
CHANNELS : 96 RECORD FILTS : 30 HZ & 125 HZ  
ENERGY SOURCE : 2 MOD 15 VIB SWEEP FREQ. : 20-120 HZ  
SWEEP LENGTH : 10 SEC RECEIVER ARRAY: 14/12.2 M (40 FT)

#### SPREAD CONFIGURATION:

TR 1                      TR 48                      TR 49                      TR 96  
+-----+                      +-----+                      +-----+                      +-----+  
604 M                      31 M                      VP                      31 M                      604 M

### PROCESSING SEQUENCE

DEMULPLEXING  
VIBROSEIS WHITENING - 1000 MS AGC  
RECORD PAD - TO 23 SEC  
XCOR W/ RECORDED SWEEP (RL=13 SEC.)  
TRACE EDITS/DATUM STATICS  
50 MS BULK SHIFT APPLIED  
80 M DATUM W/ CORR. VEL. 900 M/S  
COMMON MIDPOINT SORT  
RESAMPLE 4.0 MS  
DECONVOLUTION - GAPPED  
10 MS GAP 70 MS OPERATOR  
AUTOCORRELATION GATES  
10-900 MS  
1200-2800 MS  
4500-6500 MS  
VELOCITY ANALYSIS - CONSTANT VEL. STKS.  
RESIDUAL STATICS - SURFACE CONSISTENT  
ITERATIVE W/ VEL. ANALYSIS  
3 ITERATIONS STATICS W/ VELOCITY  
NMO/BP 10-20-114-124 0-13 S/MUTE/250 MS AGC  
COMMON MIDPOINT STACK - 24 FOLD NOM.  
DECONVOLUTION - GAPPED  
10 MS GAP 70 MS OPERATOR  
AUTOCORRELATION GATES  
10-900 MS  
1200-2800 MS  
4500-6500 MS  
TIME VARIANT FILTER  
30-35-110-120 0-550 MS  
25-30- 95-105 2000 MS  
15-20- 70- 75 4000 MS  
15-20- 65- 70 5500 MS  
15-20- 45- 50 7000 MS  
15-20- 40- 45 13000 MS  
GAIN - 20 DB UNDER SEDIMENTS  
AGC - 1000 MS  
SIGNAL  
WINDOW : 21 TR  
INCREMENT : 1 TR  
TIME GATE : 200 MS  
DIP RANGE : +/- 43 MS/TR  
1000 MS AGC/LINE DRAWING/1000 MS AGC

### DISPLAY PARAMETERS

TRACES PER INCH: 180.0 DATE PROCESSED: JAN 1992  
INCHES PER SEC: 1.39 POLARITY: NORMAL  
DISPLAY EVERY 2ND TRACE

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