

# SAVANNAH RIVER SITE AIKEN, S. CAROLINA

## LINE SRS-11

AUTOMATIC LINE DRAWING (STACK)  
1:1 DISPLAY FOR VEL. 6 KM/S  
DATUM 80 METERS

NORTH

### RECORDING PARAMETERS

DATE RECORDED : OCTOBER 1987	SOURCE ARRAY : 3X6/24 M (80 FT)
CONTRACTOR : CONOCO NO. 28V130	SHOT INTERVAL : 24.4 M (80 FT)
GROUP INTERVAL : 12.2 M (40 FT)	FAR OFFSET : 616 M (2020 FT)
NEAR OFFSET : 42.7 M (140 FT)	SAMPLE RATE : 2 MSEC
INSTRUMENTS : MDS-10	RECORD LENGTH : 14 SEC (4 SEC)
CHANNELS : 96	RECORD FILTS : 10 HZ & 125 HZ
ENERGY SOURCE : 3 MOD 15 VIB	SWEET FREQ. : 20-120 HZ
SWEET LENGTH : 10 SEC	RECEIVER ARRAY: 14/16.8 M (55 FT)

#### SPREAD CONFIGURATION:



### PROCESSING SEQUENCE

DEMULTIPLEXING  
 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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