

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-9

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

DATUM 80 METERS

NORTHWEST

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 : 18 HZ & 125 HZ
ENERGY SOURCE : 3 MOD 15 VIB	SWEEP FREQ. : 20-120 HZ
SWEEP LENGTH : 10 SEC	RECEIVER ARRAY: 14/16.0 M (55 FT)

SPREAD CONFIGURATION:



PROCESSING SEQUENCE

DEMULTIPLICING
 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

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: W. J. DOMORACKI

