

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-28

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

DATUM 80 METERS

NORTHEAST

RECORDING PARAMETERS

DATE RECORDED : APRIL 1988 SOURCE ARRAY : 2X6/18 M (80 FT)
CONTRACTOR : CONOCO NO. 28V130 SHOT INTERVAL : 24.4 M (80 FT)
GROUP INTERVAL : 12.2 M (40 FT) FAR OFFSET : 604 M (1900 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

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
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