

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA
LINE SRS-7 & 7EX

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

DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED : AUGUST 1987 SOURCE ARRAY : 5X6/28 M (95 FT)
CONTRACTOR : CONOCO NO. 28V138 SHOT INTERVAL : 16.6 M (55 FT)
GROUP INTERVAL : 16.6 M (55 FT) FAR OFFSET : 830 M (2722 FT)
NEAR OFFSET : 41.0 M (137 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 Y18 SLEEP FREQ. : 20-120 HZ
SLEEP LENGTH : 10 SEC RECEIVER ARRAY: 14/16.6 M (55 FT)

SPREAD CONFIGURATION:

TR 1	TR 48	TR 49	TR 96
830 M	42 M VP	42 M	830 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 0-19 S/MUTE/250 MS AGC
COMMON MIDPOINT STACK - 48 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 : +/- 55 MS/TR
1000 MS AGC/LINE DRAWING/1000 MS AGC

DISPLAY PARAMETERS

TRACES PER INCH: 128.9 DATE PROCESSED: JAN 1992
INCHES PER SEC: 39 POLARITY: NORMAL
DISPLAY EVERY 2ND TRACE

VIRGINIA POLYTECHNIC INSTITUTE
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