

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-25

MIGRATED STACK

DATUM 80 METERS

NORTHWEST

RECORDING PARAMETERS

DATE RECORDED : APRIL 1988 SOURCE ARRAY : 2X5/16 M (50 FT)
 CONTRACTOR : CONOCO NO. 28V138 SHOT INTERVAL : 24.4 M (80 FT)
 GROUP INTERVAL : 12.2 M (40 FT) FFR OFFSET : 804 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 SLEEP FREQ. : 20-120 HZ
 SHEEP LENGTH : 18 SEC RECEIVER ARRAY : 14/12.2 M (40 FT)

SPREAD CONFIGURATION:

TR 1	TR 40	TR 40	TR 96
804 M	31 M	31 M	804 M

PROCESSING SEQUENCE

DEMULTIPLYING
 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
 DECONVOLUTION - GAPPED
 10 MS GAP 70 MS OPERATOR
 AUTOCOR. GATE 10-1000 MS
 VELOCITY ANALYSIS - CONSTANT VEL. STKS.
 RESIDUAL STATICS - SURFACE CONSISTENT
 ITERATIVE W/ VEL. ANALYSIS
 3 ITERATIONS STATICS W/ VELOCITY
 ITER 1-2 EVRY 2ND TR 15 TR PILOT 10 SHFT
 ITER 3 EVRY TR 30 TR PILOT 6 SHFT
 NMO/MUTE/250 MS AGC
 COMMON MIDPOINT STACK - 24 FOLD NOM.
 DECONVOLUTION - ZERO PHASE
 30 PT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 15-20-120-130 HZ
 DESIGN GATE 0-300, 550-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100% STACKING VELOCITY
 DECIMATE 1 IN 3
 MIGRATE 0-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 SIGNAL
 WINDOW : 15 TR
 INCREMENT : 5 TR
 TIME GATE : 164 MS
 DIP RANGE : +/- 30 MS/TR
 DIGISTK 50-50 MIX WITH SIGNAL TRACE
 AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 40.0 DATE PROCESSED: MAR 1992
 INCHES PER SEC: 10.0 POLARITY: NORMAL

VIRGINIA POLYTECHNIC INSTITUTE
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