

SAVANNAH RIVER SITE AIKEN, S. CAROLINA LINE SRS-29

MIGRATED STACK
DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED: APRIL 1988 SOURCE ARRAY: 4X8/58 N (165 FT)
 CONTRACTOR: CONCO NO. 26V138 SHOT INTERVAL: 33.5 M (110 FT)
 GROUP INTERVAL: 88.5 M (290 FT) FIRE OFFSET: 1838 M (6045 FT)
 NEAR OFFSET: 89.8 M (295 FT) SAMPLE RATE: 2 HSEC
 INSTRUMENTS: MDS-18 RECORD LENGTH: 18 SEC (4 SEC)
 CHANNELS: 88 RECORD FILTERS: 30 HZ & 125 HZ
 ENERGY SOURCE: 4 MOD 15 V18 SLEEP PRES.: 15-128 HZ
 SLEEP LENGTH: 12 SEC RECEIVER ARRAY: 28/38 N (110 FT)

SPREAD CONFIGURATION:

TR 1	TR 48	TR 48	TR 96
1868 M	35 M	35 M	1868 M

PROCESSING SEQUENCE

DEMULTIPLIXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 26 SEC
 XCOR W/ RECORDED SWEEP (RL=14 SEC.)
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHIFT APPLIED
 80 M DATUM W/ CORR. VEL. 900 M/S
 COMMON MIDPOINT SORT
 DECONVOLUTION - GAPPED
 18 MS GAP 70 MS OPERATOR
 AUTOCOR. GATE 10-8000 MS
 VELOCITY ANALYSIS - CONSTANT VEL. STKS.
 RESIDUAL STATICS - SURFACE CONSISTENT
 ITERATIVE W/ VEL. ANALYSIS
 3 ITERATIONS STATICS W/ VELOCITY
 ITER 1-2 EVERY TR 15 TR PILOT 10 SHFT
 ITER 3 EVERY TR 15 TR PILOT 6 SHFT
 NMO/MUTE/250 MS AGC
 COMMON MIDPOINT STACK - 48 FOLD NOM.
 DECONVOLUTION - ZERO PHASE
 30 PT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 5-15-100-120 HZ
 DESIGN GATE 0-450, 500-1000 MS
 FILTER 25-30-100-110 HZ 0-1.0 SEC
 REC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 MIGRATE 0-1000 MS
 FILTER 25-30-100-110 HZ 0-1.0 SEC
 SIGNAL
 WINDOW: 15 TR
 INCREMENT: 5 TR
 TIME GATE: 164 MS
 DIP RANGE: +/- 30 MS/TR
 DIGITSTK 50-50 MIX WITH SIGNAL TRACE
 REC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 20 DATE PROCESSED: JAN 1992
 INCHES PER SEC: 10.0 POLARITY: NORMAL

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