

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-21

MIGRATED STACK
DATUM 80 METERS

EAST

RECORDING PARAMETERS

DATE RECORDED : APRIL 1990 SOURCE ARRAY : 206/18 M (680 FT)
 CONTRACTOR : CONCO INC. 204/180 SHOT INTERVAL : 24.4 M (80 FT)
 GROUP INTERVAL : 12.2 M (40 FT) FRR OFFSET : 604 M (1980 FT)
 NEAR OFFSET : 38.5 M (126 FT) SAMPLE RATE : 2 MS/SEC
 INSTRUMENTS : HOS-18 RECORD LENGTH : 14 SEC (4 SEC)
 CHANNELS : 96 RECORD FILTERS : 30 HZ & 125 HZ
 ENERGY SOURCE : 2 MOD 15 VIB SHEEP 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 90
884 M	51 M VP	51 M	884 M

PROCESSING SEQUENCE

DEMULTIPLIXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 20 SEC
 XCOR W/ RECORDED SHEEP (RL=19 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 EVERY 2ND TR 15 TR PILOT 10 SHFT
 ITER 3 EVERY 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 0-500, 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 9
 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
 DIGITAL 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

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