

William J. Domoracki (1995)

Appendix B

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-6

MIGRATED STACK
DATUM 80 METERS

NEST

RECORDING PARAMETERS

DATE RECORDED : AUGUST 1987 SOURCE ARRAY : 200/20 M (65 FT)
 CONTRACTOR : COMCO NO. 20V130 SHOT INTERVAL : 16.0 M (52 FT)
 GROUP INTERVAL : 16.0 M (52 FT) PAV OFFSET : 16.0 M (52 FT)
 NEAR OFFSET : 41.0 M (137 FT) SAMPLE RATE : 800 M (2625 FT)
 INSTRUMENTS : MD-16 RECORD LENGTH : 14 SEC (4 SEC)
 CHANNELS : 80 RECORD FILTERS : 10 HZ & 125 HZ
 ENERGY SOURCE : 3 X 100 15 V18 SLEEP FREQ. : 200-120 HZ
 SLEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/16.0 M (52 FT)

SPEED CONFIGURATION

TR 1	TR 46	TR 49	TR 58
850 M	42 M VP	42 M	850 M

PROCESSING SEQUENCE

DEMULTIPLYING
 VIBROSEIS WHITENING - 10000 MS AGC
 RECORD PAD TO 20 SEC
 XCOR W/ RECORDED SLEEP (RL=13 SEC.)
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHIFT APPLIED
 80 M DATUM W/ CORR. VEL. 800 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/DATE/250 MS AGC
 COMMON MIDPOINT STACK - 24 FOLD NOM.
 DECONVOLUTION - ZERO PHASE
 30 FT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 15-20-120-130 HZ
 DESIGN GATE 0-200, 500-1000 MS
 FILTER 30-95-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DECIMATE 1 IN 2
 MIGRATE 0-1000 MS
 FILTER 30-95-110-120 HZ 0-1.0 SEC
 SIGNAL
 WINDOW : 15 TR
 INCREMENT : 5 TR
 TIME GATE : 164 MS
 DIP RANGE : +/- 30 MS/TR
 DIGISTR 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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