

William J. Domoracki (1995)

Appendix B

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-4

MIGRATED STACK

DATUM 80 METERS

NORTHWEST

RECORDING PARAMETERS

DATE RECORDED : SEPTEMBER 1987 SOURCE ARRAY : 506/250 M (165 FT)
 CONTRACTOR : COGCOO NO. 289130 SHOT INTERVAL : 16.0 M (53 FT)
 GROUP INTERVAL : 16.0 M (53 FT) PIR OFFSET : 600 M (2000 FT)
 NEAR OFFSET : 41.0 M (137 FT) SAMPLE RATE : 2 HSEC
 INSTRUMENTS : MD-18 RECORD LENGTH : 14 SEC (14 SEC)
 CHANNELS : 80 RECORD FILTS : 10 HZ & 125 HZ
 ENERGY SOURCE : 3 MOD 15 VIB SLEEP FREQ : 08-128 HZ
 SLEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/16.0 M (53 FT)

SPEED CONFIGURATION

TR 1	TR 40	TR 40	TR 80
630 M	42 M	42 M	830 M

PROCESSING SEQUENCE

DEMULPLEXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 25 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 - STAFFED
 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 5 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 0-520-530-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DECIIMATE 1 IN 2
 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
 DIGITIZ 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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