

William J. Domoracki (1995)
Appendix B

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-2

MIGRATED STACK
DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED: OCTOBER 1987 SOURCE ARRAY: 306/24 M (98 FT)
CONTRACTOR: ICDNOO NO. 289138 SHOT INTERVAL: 24.4 M (80 FT)
GROUP INTERVAL: 15.2 M (50 FT) FIR OFFSET: 618 M (2028 FT)
NEAR OFFSET: 42.7 M (140 FT) SAMPLE RATE: 2 HSEC
INSTRUMENTS: MD-18 RECORD LENGTH: 14 SEC (4 SEC)
CHANNELS: 80 RECORD FILLS: 10 HZ @ 125 HZ
ENERGY SOURCE: 9 MOD 15 VIB SKEEP FREQ: 20-108 HZ
SKEEP LENGTH: 18 SEC RECEIVER ARRAY: 14/16.0 M (46 FT)

SPREAD CONFIGURATION

TR 1	TR 40	TR 40	TR 80
618 M	43 M	43 M	618 M

PROCESSING SEQUENCE

DEMULTIPLIXING
VIBROSEIS WHITENING - 1000 MS AGC
RECORD PAD - 10 28 SEC
XCOR W/ RECORDED SKEEP (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
PLOT COR. GATE 14-1000 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 SHIFT
ITER 3 EVERY TR 30 TR PILOT 6 SHIFT
MIDMUTE/250 MS SEC
COMMON MIDPOINT STACK - 24 FOLD NOM.
DECONVOLUTION - ZERO PHASE
30 FT 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
DEPHASE 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: 154 MS
DIP RANGE: 4/40 MS/TR
DIGITK 50-50 MIX WITH SIGNAL TRACE
AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 40.0 DATE PROCESSED: MAR 1992
INCHES PER SEC: 18.0 POLARITY: NORMAL

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