

William J. Domoracki (1995)

Appendix B

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-11

MIGRATED STACK
DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED : OCTOBER 1987 SOURCE ARRAY : 306/24 M (100 FT)
 CONTRACTOR : CONCO NO. 28V138 SHOT INTERVAL : 24.4 M (80 FT)
 GROUP INTERVAL : 18.2 M (60 FT) FUR OFFSET : 0.16 M (0.53 FT)
 NEAR OFFSET : 42.7 M (140 FT) SAMPLE RATE : 2 HSEC
 INSTRUMENTS : MDS-18 RECORD LENGTH : 14 SEC (4 SEC)
 CHANNELS : 80 RECORD FILTER : 10 HZ & 100 HZ
 ENERGY SOURCE : 9 MOD 15 V10 SHEEP FREQ. : 35-120 HZ
 SHEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/16.8 M (55 FT)

SPREAD CONFIGURATION:

TR 1	TR 40	TR 40	TR 06
61.0 M	43.1 M	43.1 M	81.6 M

PROCESSING SEQUENCE

DEMULTIPLIXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAIR - TO 25 SEC
 XCOR W/ RECORDED SHEEP (RL=13 SEC.)
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHEET APPLIED
 80 M DATUM W/ CORR. VEL. 900 M/S
 COMMON MIDPOINT SORT
 DECONVOLUTION - STRIPPED
 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 FT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 15-20-120-150 HZ
 DESIGN GATE 0-320, 250-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DELTARATE 1 IN 9
 MIGRATE 0-1200 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 SIGNAL
 WINDOW : 15 TR
 INCREMENT : 5 TR
 TIME GATE : 164 MS
 DIP RANGE : +/- 90 MS/TR
 DIGITIZ 50-50 MIX WITH SIGNAL TRACE
 AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 48.0 DATE PROCESSED: FEB 1992
 INCHES PER SEC: 18.0 POLARITY: NORMAL

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