

William J. Domoracki (1995)

Appendix B

# SAVANNAH RIVER SITE AIKEN, S. CAROLINA

## LINE SRS-8

MIGRATED STACK  
DATUM 80 METERS

WEST

### RECORDING PARAMETERS

DATE RECORDED : SEPTEMBER 1987 SOURCE ARRAY : 306/29 M (105 FT)  
 CONTRACTOR : CH2M HILL 28V130 SHOT INTERVAL : 16.0 M (53 FT)  
 GROUP INTERVAL : 36.0 M (118 FT) FAR OFFSET : 930 M (2722 FT)  
 NEAR OFFSET : 41.0 M (137 FT) SAMPLE RATE : 800 M (2722 FT)  
 INSTRUMENTS : MD-10 RECORD LENGTH : 14 SEC (4 SEC)  
 CHANNELS : 96 RECORD FILTERS : 10 HZ & 120 HZ  
 ENERGY SOURCE : 3 MOD 15 VIB SHOOT FREQ. : 20-120 HZ  
 SLEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/15.0 M (55 FT)

SPREAD CONFIGURATION  
 TR 1 TR 40 TR 40 TR 96  
 930 M 42 M VP 42 M 930 M

### PROCESSING SEQUENCE

DEMULTIPLYING  
 VIBROSEIS WHITENING - 1000 MS AGC  
 RECORD PAD - TO 29 SEC  
 XCOR W/ RECORDED SLEEP (RL=13 SEC.)  
 TRACE EDITS/DATUM STATICS  
 50 MS BULK SHIFT APPLIED  
 30 M DATUM W/ CORV. VEL. 900 M/S  
 COMMON MIDPOINT SORT  
 DECONVOLUTION - SAPPED  
 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/200 MS SEC.  
 COMMON MIDPOINT STACK - 24 FOLD NOM.  
 DECONVOLUTION - ZERO PHASE  
 30 PT SMOOTH DESIGN & OPERATOR  
 SPECTRUM SHAPE 15-20-120-130 HZ  
 DESIGN GATE 0-300 530-1000 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 : 184 MS  
 DIP RANGE : +/- 30 MS/TR  
 DIGISIK 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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