

William J. Domoracki (1995)

Appendix B

SAVANNAH RIVER SITE  
AIKEN, S. CAROLINA

LINE SRS-9

MIGRATED STACK  
DATUM 80 METERS

NORTHWEST

RECORDING PARAMETERS

DATE RECORDED: OCTOBER 1987 SOURCE ARRAY: 305/24 M (100 FT)  
CONTRACTOR: LOGSDON INC. 2891/380 SHOT INTERVAL: 24.4 M (80 FT)  
GROUP INTERVAL: 12.2 M (40 FT) PFR OFFSET: 016 M (3200 FT)  
NEAR OFFSET: 42.7 M (140 FT) SAMPLE RATE: 2 HSEC  
INSTRUMENTS: HED-18 RECORD LENGTH: 14 SEC (4 SEC)  
CHANNELS: 96 RECORD FILTS: 18 HZ & 125 HZ  
ENERGY SOURCE: 3 MOD 15 VIB SHEEP PILES: 30-125 HZ  
SLEEP LENGTH: 10 SEC RECEIVER ARRAY: 14/15.0 M (50 FT)

SPREAD CONFIGURATION  
TR 1 TR 40 TR 40 TR 96  
018 M 45 M VP 45 M 018 M

PROCESSING SEQUENCE

DEMULITPLEXING  
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 - 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/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 0-200, 250-1000 MS  
FILTER 30-35-110-120 HZ 0-1.0 SEC  
AGC - 250 MS  
MIGRATION - FINITE DIFFERENCE  
100 % STACKING VELOCITY  
DECRIMATE 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: +/- 30 MS/TR  
DIGITAL 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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