

William J. Dornacki (1995)

Appendix B

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-3 & 3EX

MIGRATED STACK

DATUM 60 METERS

NORTHWEST

RECORDING PARAMETERS

DATE RECORDED : OCTOBER 1987 SOURCE ARRAY : 306/24 H (88 FT)
 CONTRACTOR : CONOCO NO. 289138 SHOT INTERVAL : 24.4 H (88 FT)
 GROUP INTERVAL : 15.2 H (48 FT) FUR OFFSET : 618 H (1883 FT)
 NEAR OFFSET : 42.7 H (148 FT) SAMPLE RATE : 2 HSEC
 INSTRUMENTS : MD-10 RECORD LENGTH : 14 SEC (4 SEC)
 CHANNELS : 80 RECORD FILTER : 10 HZ & 100 HZ
 ENERGY SOURCE : 3 NO. 15 VIB SHOOT FREQ. : 98-108 HZ
 SLEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/16.0 H (88 FT)

SPEED CONFIGURATION
 TR 1 TR 40 TR 80 TR 90
 618 H 43 H VP 43 H 618 H

PROCESSING SEQUENCE

DEMULTIPLIXING
 VIBROSETS WHITENING - 1000 MS AGC
 RECORD PAD - TO 20 SEC
 W/ COR. W/ RECORD SLEEP (RL=13 SEC.)
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHIFT APPLIED
 80 H DATUM W/ CORR. VEL. 900 H/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/DATE/230 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 0-2000 530-1200 MS
 FILTER 30-95-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DECIMATE 1 IN 3
 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
 DTP RANGE : +/- 30 MS/TR
 DIGIBITS 30-50 MIX WITH SIGNAL TRACE
 REC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 40.0 DATE PROCESSED: MAR 1992
 INCHES PER SEC: 10.0 POLARITY: NORMAL

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