

William J. Domoracki (1995)
Appendix B

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA
LINE SRS-5

MIGRATED STACK
DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED : SEPTEMBER 1987 SOURCE ARRAY : 305/24 M (100 FT)
CONTRACTOR : CONOCO NO. 25V150 SHOT INTERVAL : 24.4 M (80 FT)
GROUP INTERVAL : 12.2 M (40 FT) PRR OFFSET : 610 M (2000 FT)
NEAR OFFSET : 42.7 M (140 FT) SAMPLE RATE : 2 HSEC
INSTRUMENTS : MD9-10 RECORD LENGTH : 14 SEC (4 SEC)
CHANNELS : 96 RECORD FILTS : 10 HZ & 120 HZ
ENERGY SOURCE : 3 100 15 V10 540P PREG. : 200-120 HZ
SWEEP LENGTH : 18 SEC RECEIVER ARRAY : 14/16.0 M (55 FT)
SPREAD CONFIGURATION:
TR 1 TR 40 TR 40 TR 90
610 M 43 M VP 43 M 610 M

PROCESSING SEQUENCE

DEMULTEXING
VIBROSETS WHITENING - 10000 MS ASC
RECORD PAD - TO 20 SEC
XCOR W/ RECORDED SWEEP (RL=13 SEC.)
TRACE EDITS/DATUM STATICS
50 MS BULK SHIFT APPLIED
80 M DATUM W/ CORR. VEL. 920 M/S
COMMON MIDPOINT SORT
DECONVOLUTION - GAPPED
10 MS GPR 70 MS OPERATOR
AUTOCOR. GATE 10-10000 MS
VELOCITY ANALYSIS - CONSTANT VEL. STAS.
RESIDUAL STATICS - SURFACE CONSISTENT
ITERATIVE W/ VEL. ANALYSIS
3 ITERATIONS STATICS W/ VELOCITY
ITER 1-2 EVERY TR 15 TR PILOT 10 SHFT
ITER 3 EVERY TR 30 TR PILOT 6 SHFT
NMO/DATE/250 MS ASC
COMMON MIDPOINT STACK - 24 FOLD NOM.
DECONVOLUTION - ZERO PHASE
30 FT SMOOTH DESIGN & OPERATOR
SPECTRUM SHAPE 15-20-120-130 HZ
DESIGN GATE 0-200 500-1000 MS
FILTER 30-35-110-120 HZ 0-1.0 SEC
ASC - 250 MS
MIGRATION - FINITE DIFFERENCE
100 % STACKING VELOCITY
DECIMATE 1 IN 3
MIGRATE 0-1000 MS
FILTER 30-35-110-120 HZ 0-1.0 SEC
STIGMA
WINDOW : 15 TR
INCREMENT : 5 TR
TIME GATE : 164 MS
DIP RANGE : +/- 30 MS/TR
DIGITAL 50-50 MIX WITH SIGNAL TRACE
ASC - 250 MS

DISPLAY PARAMETERS

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

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