

William J. Domoracki (1995)

Appendix B

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-9EXP

MIGRATED STACK
DATUM 80 METERS

NORTHWEST

RECORDING PARAMETERS

DATE RECORDED : NOVEMBER 1987 SOURCE ARRAY : 13X4/8 H PT SOURCE
 CONTRACTOR : LOGGED NO. 28V1386 SHOT INTERVAL : 6.1 M (20 FT)
 GROUP INTERVAL : 6.1 M (20 FT) PRR OFFSET : 301.0 M (988 FT)
 NEAR OFFSET : 15.2 M (50 FT) SAMPLE RATE : 2 HSEC
 INSTRUMENTS : KCS-18 RECORD LENGTH : 10 SEC (2 SEC)
 CHANNELS : 06 RECORD FILTS : 30 HZ & 125 HZ
 ENERGY SOURCE : 1 MOD 15 V10 SHEEP PRES : 30-150 HZ
 SHEEP LENGTH : 0 SEC RECEIVER ARRAY : 14/8 H BLANDED

SPREAD CONFIGURATION:
 TR 1 TR 46 TR 46 TR 66
 500 M 15 M VP 15 M 300 M

PROCESSING SEQUENCE

DEMULTEPLEXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 10 SEC
 XCOR W/ RECORDED SHEEP (RL=8 SEC.)
 TRACE EDITS/ARTIF. STATICS
 50 MS BULK SHIFT APPLIED
 80 M DATUM W/ CORR. VEL. 900 M/S
 COMMON MIDPOINT SORT
 DECONVOLUTION - GAPPED
 8 MS GAP 70 MS OPERATOR
 AUTOZAP, 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 8 SHFT
 ITER 3 EVERY TR 30 TR PILOT 4 SHFT
 NMO/MUTE/250 MS AGC
 COMMON MIDPOINT STACK - 48 FOLD NOM.
 DECONVOLUTION - ZERO PHASE
 30 PT SMOOTH DESIGN & OPERATOR
 SPECTRUM M SHAPE 20-30-150-150 HZ
 DESIGN GATE 0-350, 400-1000 MS
 FILTER 55-40-150-150 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DECIMATE 1 IN 6
 MIGRATE 0-1000 MS
 SIGNAL WINDOW : 7 TR
 INCREMENT : 3 TR
 TIME GATE : 80 MS
 DIP RANGE : +/- 30 MS/TR
 DIGITAL 50-50 HX WITH SIGNAL TRACE
 FILTER 55-40-150-150 HZ 0-1.0 SEC
 AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 48.0 DATE PROCESSED: MAR 1992
 INCHES PER SEC: 10.0 POLARITY: NORMAL

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