

William J. Domoracki (1995)

Appendix B

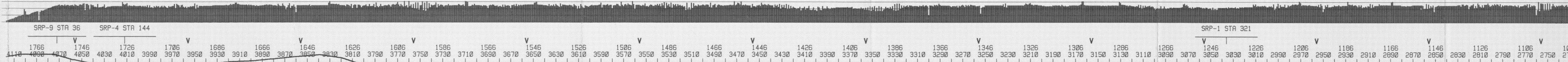
SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-7 & 7EX

MIGRATED STACK
DATUM 80 METERS

NORTH

50
40
20
0



RECORDING PARAMETERS

DATE RECORDED : AUGUST 1987 SOURCE ARRAY : 305/250 M (100 FT)
 CONTRACTOR : CONOCO INC. 285130 SHOT INTERVAL : 16.0 M (50 FT)
 GROUP INTERVAL : 16.0 M (50 FT) FIRE OFFSET : 680 M (2230 FT)
 NEAR OFFSET : 41.0 M (135 FT) SAMPLE RATE : 14 SEC (14 SEC)
 INSTRUMENTS : HQS-18 RECORD LENGTH : 14 SEC (14 SEC)
 CHANNELS : 80 RECORD FILTS : 10 HZ & 120 HZ
 ENERGY SOURCE : 3 MOD 15 VIB SHEEP FREQ. : 30-150 HZ
 SHEEP LENGTH : 18 SEC RECEIVER ARRAY : 14/16.0 M (50 FT)

SPREAD CONFIGURATION:

TR 1	TR 40	TR 40	TR 90
420 M	42 M	42 M	850 M

PROCESSING SEQUENCE

DEMULTIPLIXING
 VIBROSEIS WHITENING - 10000 MS AGC
 RECORD FID - TO 25 SEC
 XCOR W/ RECORDED SHEEP (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
 AUTOCORR. GATE 10-1000 MS
 VELOCITY ANALYSIS - CONSTANT VEL. STKS.
 RESIDUAL STATICS - SURFACE CONSISTENT
 ITERATIVE W/ VELOCITY 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 FT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 15-20-120-130 HZ
 DESIGN GATE 0-200, 350-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DECIMATE 1 IN 2
 MIGRATE 0-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 SIGNAL
 WINDOW : 15 TR
 INCREMENT : 5 TR
 TIME GATE : 164 MS
 DTP RANGE : +/- 30 MS/TR
 DIGISTY 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

VIRGINIA POLYTECHNIC INSTITUTE
 AND STATE UNIVERSITY
 REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: W. J. DOMORACKI

0.00
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.00

