

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE PBF-18

MIGRATED STACK
DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED : JANUARY 1991 SOURCE ARRAY : NONE
 CONTRACTOR : ESTI GEOPHYSICAL SHOT INTERVAL : 3 M
 GROUP INTERVAL : 6 M FAR OFFSET : 222 M
 NEAR OFFSET : 60 M SAMPLE RATE : 0.2 MSEC
 INSTRUMENTS : EG&G ES 2481 RECORD LENGTH : 400 MSEC
 CHANNELS : 24 RECORD FILTER : 70 HZ 1000 HZ IN
 ENERGY SOURCE : 12 GE 3 1/4 CR 50 GEOPHONE TYPE : MPL-48R
 SHOT DEPTH : 1 M RECEIVER ARRAY : 6 POTTED PHONES

SPREAD CONFIGURATION:

TR 1	TR 2	TR 24
*	91 M	222 M
SP		
TR 1	TR 2	TR 24
*	91 M	222 M
SP		

PROCESSING SEQUENCE

DEMULTIPLYING
 RECORD PAD TO 500 MS
 RESAMPLE 1 MS
 DEBIAS
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHIFT APPLIED
 80 M DATUM W/ CORR. VEL 900 M/S
 COMMON MIDPOINT SORT - 12 FOLD
 VERTICAL STK ADJACENT CMPS - 24 FOLD
 FILTER 60-70-250-300 HZ 0-0.5 SEC
 DECONVOLUTION - GAPPED
 4 MS GPP 10 MS OPERATOR
 AUTOCOR. GATE 100-400 MS
 FILTER 60-70-250-300 HZ 0-0.5 SEC
 VELOCITY ANALYSIS - CONSTANT VEL. STKS.
 21 CMP 700-2200 M/S 50 M/S
 RESIDUAL STATICS - SURFACE CONSISTENT
 15 CMP 3 MS SHIFT 100-400 MS GATE
 ITERATIVE W/ VEL. ANALYSIS
 3 ITERATIONS STATICS W/ VELOCITY
 NMO/MUTE/SURGICAL MUTE/100 MS AGC
 COMMON MIDPOINT STACK - 24 FOLD NOM.
 ZERO PHASE DECONVOLUTION
 DESIGN GATE 100-400 MS. 35 PT SM
 SPECTRAL SHAPE 60-70-250-300 HZ
 FILTER 60-70-250-300 HZ 0-0.5 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100 % STACKING VELOCITY
 DECIMATE 1 IN 4
 MIGRATE 0-1000 MS
 FILTER 60-70-250-300 HZ 0-0.5 SEC
 SIGNAL
 WINDOW : 7 TR
 INCREMENT : 3 TR
 TIME GATE : 60 MS
 DIP RANGE : +/- 30 MS/TR
 DIGI-STK 50 % MIX WITH SIGNAL TRACE
 AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 40.0 DATE PROCESSED: JUNE 1991
 INCHES PER SEC: 10.0 POLARITY: NORMAL

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: W.J. DOMORACKI

