

SAVANNAH RIVER SITE  
AIKEN, S. CAROLINA

LINE SRS-2EXP

MIGRATED STACK  
DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED : NOVEMBER 1987 SOURCE ARRAY : 1X4/8 M FT SOURCE  
 CONTRACTOR : COMCO NO. 28V130 SHOT INTERVAL : 6.1 M (20 FT)  
 GROUP INTERVAL : 6.1 M (20 FT) FAR OFFSET : 301.8 M (990 FT)  
 NEAR OFFSET : 15.2 M (50 FT) SAMPLE RATE : 2 HSEC  
 INSTRUMENTS : MGS-10 RECORD LENGTH : 10 SEC (2 SEC)  
 CHANNELS : 96 RECORD FILTS : 30 HZ & 125 HZ  
 ENERGY SOURCE : 1 MOD 15 V18 SHEEP FREQ. : 30-150 HZ  
 SHEEP LENGTH : 8 SEC RECEIVER ARRAY : 14/8 M BUNCHED

SPREAD CONFIGURATION:  
 TR 1 TR 40 TR 40 TR 96  
 302 M 15 M VP 15 M 302 M

PROCESSING SEQUENCE

DEMULPLEXING  
 VIBROSEIS WHITENING - 1000 MS AGC  
 RECORD PAD - TO 15 SEC  
 XOR W/ RECORDED SHEEP (RL=8 SEC.)  
 TRACE EDITS/DATUM 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  
 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 6 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 SHAPE 20-30-150-160 HZ  
 DESIGN GATE 0-350, 400-1000 MS  
 FILTER 35-40-150-160 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  
 DIG15TK 50-50 MIX WITH SIGNAL TRACE  
 FILTER 35-40-150-160 HZ 0-1.0 SEC  
 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

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PROCESSED BY: W.J. DOMORACKI

