

SAVANNAH RIVER SITE  
AIKEN, S. CAROLINA

LINE SRS-26

MIGRATED STACK  
DATUM 80 METERS

NORTHEAST

RECORDING PARAMETERS

DATE RECORDED : APRIL 1988 SOURCE ARRAY : 2X8/16 M (60 FT)  
 CONTRACTOR : CONDOG NO. 289/130 SHOT INTERVAL : 24.4 M (80 FT)  
 GROUP INTERVAL : 12.2 M (40 FT) FAR OFFSET : 604 M (1980 FT)  
 NEAR OFFSET : 30.5 M (100 FT) SAMPLE RATE : 2 MSEC  
 INSTRUMENTS : MDS-10 RECORD LENGTH : 14 SEC (4 SEC)  
 CHANNELS : 86 RECORD FILTS : 30 HZ & 125 HZ  
 ENERGY SOURCE : 2 MOD 15 VIB SWEEP FREQ. : 20-120 HZ  
 SHEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/12.2 M (40 FT)

SPREAD CONFIGURATION:

TR 1	TR 40	TR 40	TR 95
604 M	31 M VP	31 M	604 M

PROCESSING SEQUENCE

DEMULTIPLIXING  
 VIBROSEIS WHITENING - 1000 MS AGC  
 RECORD PAD - TO 29 SEC  
 XCOR W/ RECORDED SWEEP (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  
 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 EVRY 2ND TR 15 TR PILOT 10 SHFT  
 ITER 3 EVRY 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 0-500, 550-1000 MS  
 FILTER 30-35-110-120 HZ 0-1.0 SEC  
 AGC - 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  
 SIGNAL  
 WINDOW : 15 TR  
 INCREMENT : 5 TR  
 TIME GATE : 164 MS  
 DIP RANGE : +/- 30 MS/TR  
 DIGISTK 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  
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