

SAVANNAH RIVER SITE  
AIKEN, S. CAROLINA

LINE SRS-18

MIGRATED STACK  
DATUM 80 METERS

NORTHEAST

RECORDING PARAMETERS

DATE RECORDED : APRIL 1988 SOURCE ARRAY : 206/10 M (680 FT)  
CONTRACTOR : CONOCO NO. 26V130 SHOT INTERVAL : 24.4 M (800 FT)  
GROUP INTERVAL : 12.2 M (40 FT) FAR OFFSET : 884 M (2900 FT)  
NEAR OFFSET : 30.5 M (100 FT) SHALE RATE : 2 HSEC  
INSTRUMENTS : HDS-10 RECORD LENGTH : 14 SEC (4 SEC)  
CHANNELS : 96 RECORD FILTERS : 30 HZ & 125 HZ  
ENERGY SOURCE : 2 MOD 15 V10 SWEEP FREQ. : 20-100 HZ  
SWEEP LENGTH : 10 SEC RECEIVER ARRAY : 14/12.2 M (40 FT)

SPREAD CONFIGURATION:

TR 1	TR 40	TR 40	TR 96
884 M	91 M	91 M	884 M

PROCESSING SEQUENCE

DEMULTIPLICING  
VIBROSEIS WHITENING - 1000 MS AGC  
RECORD PAD - TO 20 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 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 0-500, 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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