

SAVANNAH RIVER SITE  
AIKEN, S. CAROLINA

LINE SRS-10

AUTOMATIC LINE DRAWING (STACK)  
1:1 DISPLAY FOR VEL. 6 KM/S  
DATUM 80 METERS

WEST

RECORDING PARAMETERS

DATE RECORDED : OCTOBER 1987 SOURCE ARRAY : 3X6/24 M (80 FT)  
CONTRACTOR : CONOCO NO. 28V130 SHOT INTERVAL : 24.4 M (80 FT)  
GROUP INTERVAL : 12.2 M (40 FT) FAR OFFSET : 616 M (2020 FT)  
NEAR OFFSET : 42.7 M (140 FT) SAMPLE RATE : 2 MSEC  
INSTRUMENTS : MDS-10 RECORD LENGTH : 14 SEC (4 SEC)  
CHANNELS : 96 RECORD FILTS : 18 HZ & 125 HZ  
ENERGY SOURCE : 3 MOD 15 VIB SWEEP FREQ. : 20-120 HZ  
SWEEP LENGTH : 10 SEC RECEIVER ARRAY: 14/16.8 M (55 FT)

SPREAD CONFIGURATION:

TR 1 TR 48 TR 49 TR 96  
616 M 43 M VP 43 M 616 M

PROCESSING SEQUENCE

DEMULPLEXING  
VIBROSEIS WHITENING - 1000 MS AGC  
RECORD PAD - TO 23 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  
RESAMPLE 4.0 MS  
DECONVOLUTION - GAPPED  
10 MS GAP 70 MS OPERATOR  
AUTOCORRELATION GATES  
10-900 MS  
1200-2800 MS  
4500-6500 MS  
VELOCITY ANALYSIS - CONSTANT VEL. STKS.  
RESIDUAL STATICS - SURFACE CONSISTENT  
ITERATIVE W/ VEL. ANALYSIS  
3 ITERATIONS STATICS W/ VELOCITY  
NMO/BP 10-20-114-124 0-13 S/MUTE/250 MS AGC  
COMMON MIDPOINT STACK - 24 FOLD NOM.  
DECONVOLUTION - GAPPED  
10 MS GAP 70 MS OPERATOR  
AUTOCORRELATION GATES  
10-900 MS  
1200-2800 MS  
4500-6500 MS  
TIME VARIANT FILTER  
30-35-110-120 0-550 MS  
25-30-95-105 2000 MS  
15-20-70-75 4000 MS  
15-20-65-70 5500 MS  
15-20-45-50 7000 MS  
15-20-40-45 13000 MS  
GAIN - 20 DB UNDER SEDIMENTS  
AGC - 1000 MS  
SIGNAL  
WINDOW : 21 TR  
INCREMENT : 1 TR  
TIME GATE : 200 MS  
DIP RANGE : +/- 43 MS/TR  
1000 MS AGC/LINE DRAWING/1000 MS AGC

DISPLAY PARAMETERS

TRACES PER INCH: 100.0 DATE PROCESSED: JAN 1992  
INCHES PER SEC: 1.39 POLARITY: NORMAL  
DISPLAY EVERY 2ND TRACE

VIRGINIA POLYTECHNIC INSTITUTE  
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