

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-12EXP

AUTOMATIC LINE DRAWING (STACK)
1:2 DISPLAY FOR VEL. 6 KM/S

DATUM 80 METERS

NORTHEAST

RECORDING PARAMETERS

DATE RECORDED :	NOVEMBER 1987	SOURCE ARRAY :	1X4/0 M PT SOURCE
CONTRACTOR :	CONOCO 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 MSEC
INSTRUMENTS :	MDS-10	RECORD LENGTH :	10 SEC (2 SEC)
CHANNELS :	96	RECORD FILTS :	30 HZ & 125 HZ
ENERGY SOURCE :	1 MOD 15 VIB	SWEEP FREQ. :	30-150 HZ
SWEEP LENGTH :	8 SEC	RECEIVER ARRAY :	14/0 M BUNCHED

SPREAD CONFIGURATION:

TR 1	TR 48	TR 49	TR 96
302 M	15 M	15 M	302 M

PROCESSING SEQUENCE

DEMULPLEXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 16 SEC
 XCOR W/ RECORDED SWEEP (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
 AUTOCORRELATION GATES
 40-900 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
 ITER 1-2 EVRY 2ND TR 15 TR PILOT 4 SHFT
 ITER 3 EVRY TR 30 TR PILOT 2 SHFT
 NMO/MUTE/SURGICAL MUTE/250 MS AGC
 COMMON MIDPOINT STACK - 48 FOLD NOM.
 DECONVOLUTION - GAPPED
 8 MS GAP 70 MS OPERATOR
 AUTOCORRELATION GATES
 40-900 MS
 1200-2800 MS
 4500-6500 MS
 TIME VARIANT FILTER
 35-40-150-160 0-700 MS
 30-35-140-150 1200 MS
 25-30-85-90 2800 MS
 25-30-75-80 6000 MS
 25-30-70-75 7000 MS
 25-30-60-65 8000 MS
 GAIN - 20 DB UNDER SEDIMENTS
 AGC - 1000 MS
 SIGNAL
 WINDOW : 9 TR
 INCREMENT : 1 TR
 TIME GATE : 100 MS
 DIP RANGE : +/- 15 MS/TR
 1000 MS AGC/LINE DRAWING/1000 MS AGC

DISPLAY PARAMETERS

TRACES PER INCH: 180.0 DATE PROCESSED: JAN 1992
 INCHES PER SEC: 1.39 POLARITY: NORMAL
 DISPLAY EVERY 2ND TRACE

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: W. J. DOMORACKI

