

SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-18

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

DATUM 80 METERS

NORTHEAST

RECORDING PARAMETERS

DATE RECORDED :	APRIL 1988	SOURCE ARRAY :	2X6/18 M (80 FT)
CONTRACTOR :	CONOCO NO. 28V130	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 :	96	RECORD FILTS :	90 HZ & 125 HZ
ENERGY SOURCE :	2 MOD 15 VIB	SWEEP FREQ. :	20-120 HZ
SWEEP LENGTH :	10 SEC	RECEIVER ARRAY:	14/12.2 M (40 FT)

SPREAD CONFIGURATION:

TR 1	TR 48	TR 49	TR 96
←-----→	←-----→	←-----→	←-----→
604 M	31 M VP	31 M	604 M

PROCESSING SEQUENCE

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

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