LINE 19

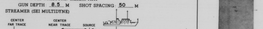
DEPT. OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
PACIFIC-ARCTIC BRANCH OF MARINE GEOLOGY

AREA: BS-1980 CRUISE LOCATION: LEE-6
VESSEL: S.P. LEE
CMP'S: 12 1812

NW ← → SE

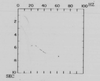
RECORDING PARAMETERS

DATE RECORDED: 7/18/80-7/27/80
SOURCE (MAIN AIR GUNS)
AIR GUNS IN ARRAY: 5
WET TOTAL VOLUME: 19.68 LITERS
MANIFOLD PRESSURE: 13.6 MPA
GUN DEPTH: 8.5 M SHOT SPACING: 50 M
STREAMER (SEI MULTIDYNE)



PROCESSING PARAMETERS

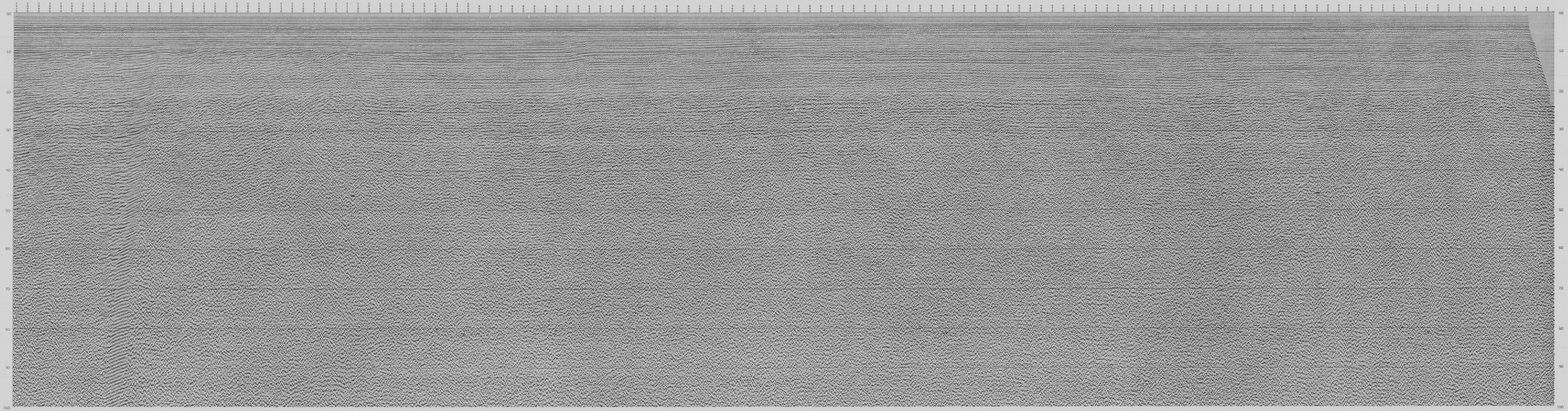
DATE PROCESSED: 12/13/82
1 DEMUX TO 9 TRACE 3MO SEI, DECAMPLE TO 4 MSEC
TRACE SHOT EDIT, DATUM TO SEA LEVEL,
TRACE EDIT (SEI MOTE TIMS)
2 CMP SORT FOR VELOCITY ANALYSIS
3 VELOCITY SPECTRA
WINDOW LENGTH: 80 MS
WINDOW INTERVAL: 80 MS
VELOC INCREMENT: 25/200 M/SEC
4 NMO CORRECTED GATHERS
5 STACK: 21 FOLD 200M
(V = 2 + T GAIN RECOVERY, TRUE AMPLITUDE)
50 % STRETCH ALLOWED IN NMO
6 FILTER ZERCOR TESTS
7 DECONVOLUTION TESTS
PREDICTION ERROR DECONVOLUTION
DESIGN WINDOW LEN 3000MS
START OF WINDOW IN 300 MS AFTER MOTE
OPERATOR LENGTH 300 MS GAP 60 MS
MOE
TRACE
FILTER (ZERO PHASE) 101 POINTS



AMPLITUDE COMPRESSION POWER OF DATA
DECAMPLE BY FFT MS TO MS
MIGRATION (HIGH ORDER FINITE DIFFERENCE)
DIP FILTERING
NUMERICAL VELOCITY (3D) FILTERING
VELOCITIES: EVERY 50 CMP STARTING WITH CMP 47
DEFLECTIONS TO RIGHT ARE + PRESSURES

PLOT PARAMETERS

HORIZONTAL SCALE: 22.86 TRACES/IN
VERTICAL SCALE: 1.56 SE/IN
RASTER POINTS BETWEEN TRACES: 7
1.0 TRACE OVERLAP
RASTERS FOR AVE. ABSOLUTE VALUE OF DATA
IN DIGITAL AGC WINDOW: 2.48
DIGITAL AGC WINDOW: 504 MS



USE OF TRADE NAMES IS FOR DESCRIPTION PURPOSES ONLY AND DOES NOT IMPLY ENDORSEMENT BY THE U.S. GEOLOGICAL SURVEY

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