LINE 12

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

AREA: BS - 1980 CRUISE LOCATION: LEE-6

VESSEL: S.A LEE

CMP's: 75 - 2536

NW

RECORDING PARAMETERS

DATE RECORDED: 7/18/80 - 7/27/80

SOURCE DEPTH BELOW SURFACE:

AIR GUNS IN ARRAY: 5

WAT TOTAL VOLUME: 19.66 LITERS

NOMINAL PRESSURE: 15.0 MPA

STREAMER DEPTH: 50 M SHOT SPACING: 50 M

STREAMER AND HYDROPHONE:

GROUP INTERVAL: 200 M WATER STRA DEPTH: 18 M

GROUP LENGTH: 400 M PROBES/GROUP: 80

CHIPPS CONTROLLED BY FIXED AND VARIABLE WIND MEDIUM

RECORDING AND WATER KING BINARY GAIN:

RECORDING FILTER: 5 HZ LOW CUT, 125 HZ HIGH CUT LENGTH: 10 SEC

GAIN RECORDING FILTER: 5 HZ LOW CUT, 125 HZ HIGH CUT

NUMBER OF CHANNELS: 24

NAVIGATION:

SHOT CMP: DISTANCE

PRIMARY NAVIGATION: SATELLITE, LORAN C, DOPPLER

SUPPLEMENTARY:

CONDITION RECORDING: GOOD

PROCESSING PARAMETERS

DATE PROCESSED: 12/13/82

1. TRACE EDITING: TRACE EDITING, RESCALING TO A MORE TRACE SHOT REF. DATUM TO SEA LEVEL, NORMALIZE PICKED WATER TIMES
2. CMP CORR FOR VELOCITY ANALYSIS
3. VELOCITY ANALYSIS:
   WINDOW LENGTH: 80 MS
   WINDOW INTERVAL: 80 MS
   VELOC INCREMENT: 25/200 M/SEC
4. NMO CORRECTION: 2 PASSES
5. STACK: 2:1 FULL STAK
   (X + Y + Z Y CMP RECOVERY, THEN AMPLITUDE)
   (X + Y + Z Y TRACES ALLOWED IN SUM)
6. FILTER (AFTER STACK):
7. POST STACK PROCESSING:
   PREDICTIVE DECON (WITH/WITHOUT):
   DECON WINDOW LEN: 5000 MS
   DECON OPERATOR LENGTH: 300 MS (AFTER NOTE
   OPERATOR LENGTH: 300 MS (AT 80 MS
   NOTE:

TRACE

FILTER (CORN/PARAB): (HZ) (FLOAT)

AMPLITUDE COMPENSATION: (N-NONE/A-A/T-T/ATT) MED TO: MS

MIGRATION (NONE/DIP/PARAB/FINITE DIFFERENCE):

TIME DEPTH CONV:

NUMBER OF VERTICAL CMP'S (IN HUNDREDS):

FREQUENCY: EVERY 50 CMP STARTING WITH CMP 47

DEPARTURE TO SHORT LINE: N PROCESSED:

PLOT PARAMETERS

HORIZONTAL SCALE: 22.00 CM/SEC/IN

VERTICAL SCALE: 1.96 CM/SEC

RANGE OF DATA PLOTTED: 1 TO 1 TRACE

0 TRACE OVERLAP:

RASTERED FOR AVE. ABSOLUTE VALUE OF DATA

PLOTTED WINDOW: 2.40 SEC

PLOTTED ALT WINDOW: NONE MS

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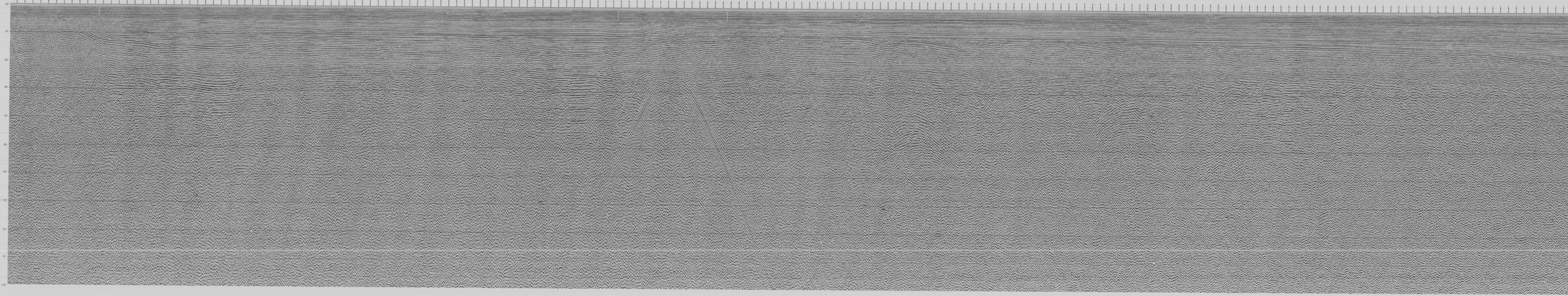
USGS OPEN FILE REPORT: BE-1980

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