LINE 1

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

CRUISE: 80-1980 CROSS LOCATION: L.C.C.-6
VESSEL: R.V. LEE
DATE: 7 - 1 - 80 TO 7 - 1 - 80 TIME: 0700 - 1400

RECORDING PARAMETERS

DATE RECORDED: 7/1/80 - 7/1/80
SOURCE (BOAT ID#/GUN):
SHOT INTERVAL: 0.5 SEC
SHOT TOTAL READING: 19,600 (17000)
WAVEFORM PERIODICITY: 12.5 MS
SOURCE DEPTH: 1.0 M SHOT SPACING: 50 M
STREAMER ARRAY:
DEPTH: 1.0 M
LENGTH: 100 M
NO. OF GROUPS: 4
SPACING: 25 M
TYPE: 4 GROUP, 4 ELEMENT, 25 M SPACING
GROUP LENGTH: 100 M FIRST GTH DEPTH: 12 M
GROUP SPACING: 25 M SECOND/GROUP: 25
DEPTH CONTROLLED BY FIXED AND VARIABLE WING BOARD:
SHORT CIRCUITED BY: 1 GROUP, 1 ELEMENT
SOURCE DEPTHS: 1.0 M SECTION LENGTH: 25 (50)
GUN RECORDING FACTOR: 1 (FIXED) (1 FIXED)
MAGNETOMETER: 25M
MAGNETOMETER: OFFSET
SOURCE NAVIGATION: SATELLITE, LORAN C, DOPPLER
SOURCE TIME: 0
STREAMER RECORDED: 2400

PROCESSING PARAMETERS

DATE PROCESSED: 12/15/80
1. CONVERT TO 9 TRACK GEO SEG DATA(WITH TO 4 MONT-
ROUTINE TO CONVERT TO 9 TRACK GEO DATA.
MODIFICATION TO GEO MAPPER TAPES
2. CHP SORT FOR VELOCITY ANALYSIS:
MIDPOINT SORT
MINIMUM OFFSET: 0 M
MAXIMUM OFFSET: 250 M
MIDPOINT INTERVAL: 12.5 M
3. NMO CORRECTION: CONSTANT
4. STACK: CHP STACK, 4 FOLD
OF 4 + 4 + 4 + 4 GROUP ARRAYS(TRUE AMPLITUDE)
OF 4 + 4 + 4 + 4 ARRAYS ALIGNED IN NMO
5. FILTER (BEFORE STACK):
6. FILTER (POST STACK):
7. DECONVOLUTION (BEFORE STACK):
OPERATOR LENGTH: 0 MS
OPERATOR LENGTH: 0 MS
MINIMUM LAG: 0 MS
PREDICTION DISTANCE: 0 MS
PERCENT OF WHITE NOISE ADDED: 0 %
8. DECONVOLUTION (POST STACK):
OPERATOR LENGTH: 500 MS
OPERATOR LENGTH: 500 MS
MINIMUM LAG: 0 MS
PREDICTION DISTANCE: 0 MS
PERCENT OF WHITE NOISE ADDED: 0 %
9. MIGRATION:
TYPE: 0
VELOCITY (FEET/SEC): 5000 (5000)
DIP LIMIT: 90 (90)
10. TIME VARIANT SCALING:
TYPE: 0
SCALING FACTOR: 0
11. MUTE:
TYPE: 0
MUTE TIME: 0 MS
12. MIXING:
TYPE: 0
MIXING FACTOR: 0
13. TRACE EQUALIZATION:
TYPE: 0
EQUALIZATION FACTOR: 0
14. TRACE SUMMING:
TYPE: 0
SUMMING FACTOR: 0
15. TRACE DISPLACEMENT:
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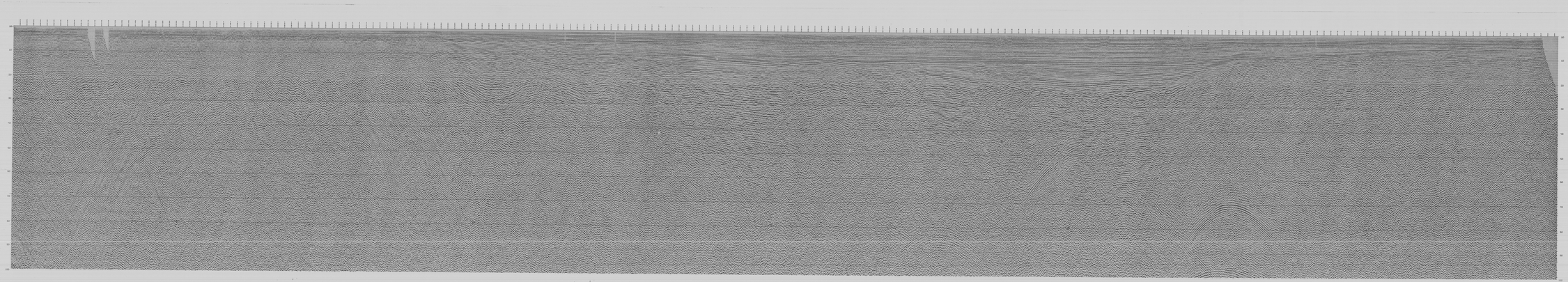

DEPT. OF THE INTERIOR, U.S. GEOLOGICAL SURVEY, PACIFIC ARCTIC BRANCH OF MARINE GEOLOGY
CRUISE CODE FILE NUMBER: 80-1980 DATE: 12/15/80 W.S. MARLOW, A.A. COOPER, D.J. SMITH, AND T.E. CHASE