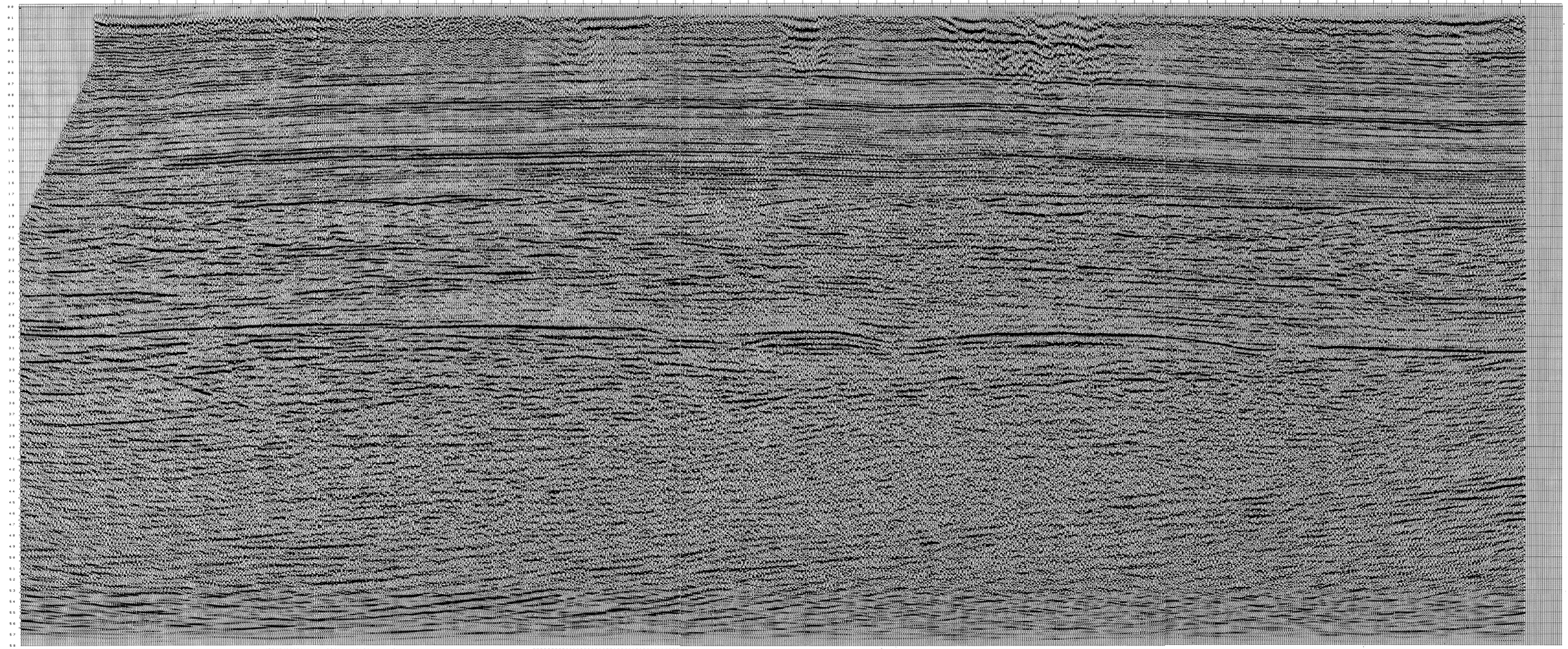
33
M16

WCB-657
S.P. 36 -808

2 X 2400% MIG.BPF
MIGRATION BY THE FINITE
DIFFERENCE METHOD

SOUTHEAST



WESTERN GEOPHYSICAL CO.

OFFSHORE ALASKA

AREA : CAMDEN BAY

SHOT BY WESTERN GEOPHYSICAL
PROCESSED BY WESTERN GEOPHYSICAL (HOC)
USGS PERMIT NO. 81-23
PLAYBACK REEL NO. 004683

PART1195 AUG 1981
GROUP 16 DEC 1981

RECORDING DATA

SOURCE

ENERGY SOURCE	AIR GUNS
NUMBER OF GUNS	12
GUN DEPTH	20 FEET
FIRING INTERVAL	104 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	15 FEET

INSTRUMENTS

SYSTEM	OPS-V
AMPLIFIER	INSTANT FLOATING PT.
FILTER	L/G H/128
SAMPLING INTERVAL	2 MSEC
RECORD LENGTH	6.0 SEC

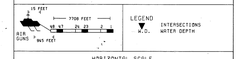
CABLE

TYPE CABLE	DRAG
CABLE LENGTH	7738 FEET
CABLE DEPTH	ON BOTTOM
LEAD IN	945 FEET
GROUP INTERVAL	104 FEET
NUMBER OF GROUPS RECORDED	49

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC

1. EDIT (4A PRE FILTER & OUT)
   SAMPLING INTERVAL 2 MSEC (EDIT ONLY)
2. DECONVOLVED BEFORE STACK
   TYPE - MINIMUM PHASE INVERSE FILTER
   WINDOW LENGTH 3 EQUAL ZONES
   OVERLAP 20% OF ZONE
   LENGTH OPERATOR 220 MS
   PREDICTION DISTANCE 4 MS
3. NMO STACK 2400 %
4. PEAKS/RMS AGC
5. MIGRATION
   FINITE DIFFERENCE METHOD
6. PEAKS/RMS AGC
7. BANDPASS FILTER
   L/B H/55



HORIZONTAL SCALE
64 TRACES EQUAL 1 MILE

POLARITY CONVENTION

RECORDING	: COMPRESSION PULSE	NEGATIVE	NUMBER
PROCESSING	: COMPRESSION PULSE	NEGATIVE	NUMBER
DISPLAY	: COMPRESSION PULSE	TROUGH	(DECREASING BLACK)