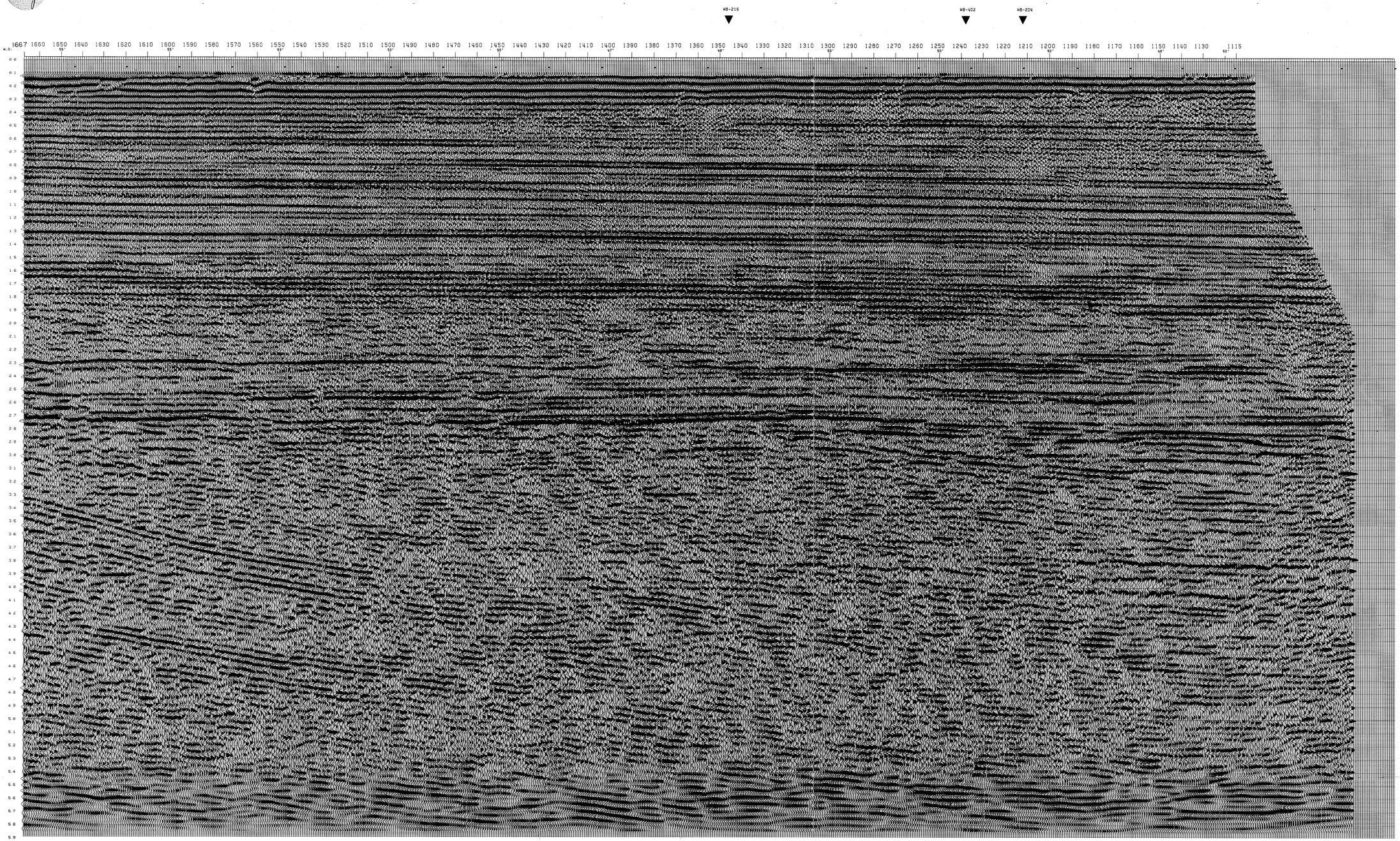
20 Smg.

WB-417
S.P. 1667-1115
1 X 4800% MIG.TVF
MIGRATION BY FINITE
DIFFERENCE METHOD



WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA : BEAUFORT SEA

SHOT BY WESTERN GEOPHYSICAL PARTY NO. 195 DATE : SEPT 22,1979
PROCESSED BY WESTERN GEOPHYSICAL GROUP NO.4 DATE : OCT.29,1979

RECORDING DATA

SOURCE

ENERGY SOURCE	AIR GUNS
CHARGE SIZE	580 CU.IN.
NUMBER OF GUNS	12
GUN DEPTH	15 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	25 FEET

INSTRUMENTS

SYSTEM	DFS-V
AMPLIFIER	INST.FLOATING POINT
FILTER	L/S-H/128
SAMPLING INTERVAL	2 MS.
RECORD LENGTH	6 SECONDS

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	7708 FEET
CABLE DEPTH	25 FEET
LEAD IN	867 FEET
GROUP INTERVAL	164 FEET
NUMBER OF GROUPS RECORDED	48

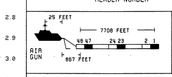
PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
   SAMPLING INTERVAL 2 MS.
2. DECONVOLVED BEFORE STACK
   TYPE - MINIMUM PHASE INVERSE FILTER
   WINDOW LENGTH 3 EQUAL ZONES
   OVERLAP 20% OF ZONE
   LENGTH OPERATOR 192 MS
   PREDICTION DISTANCE 12 MS
   SAMPLING INTERVAL 4 MS
3. NMO STACK 4800 %
4. PEAKS GAIN
5. RMS GAIN
6. MIGRATION
   FINITE DIFFERENCE METHOD
7. PEAKS GAIN
8. RMS GAIN
9. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.00-0.70 SEC	12	45
0.70-1.50 SEC	10	40
1.50-2.40 SEC	9	35
2.40-3.70 SEC	6	25
3.70-4.60 SEC	6	25
4.60-8.00 SEC	6	25

10. PLAYBACK INFORMATION
    MIGRATION REEL NUMBER - 461543
    FILM REEL NUMBER - 620319
    POLARITY - NORMAL
    PLAYBACK SETTING - 15 DB
    HEADER NUMBER - MIGVCC



LEGEND
W.D. WATER DEPTH
VELAN RUN EVERY MILE
VELOCITY ANALYSIS
INTERSECTIONS

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

NOTATIONS

SEA LEVEL CORRECTION AND A +44 MS ADJUSTMENT APPLIED TO TIE 1978 DATA

PROPRIETARY DATA OF WESTERN GEOPHYSICAL COMPANY OF AMERICA-NOT TO BE SOLD OR TRADED.