6 orig.

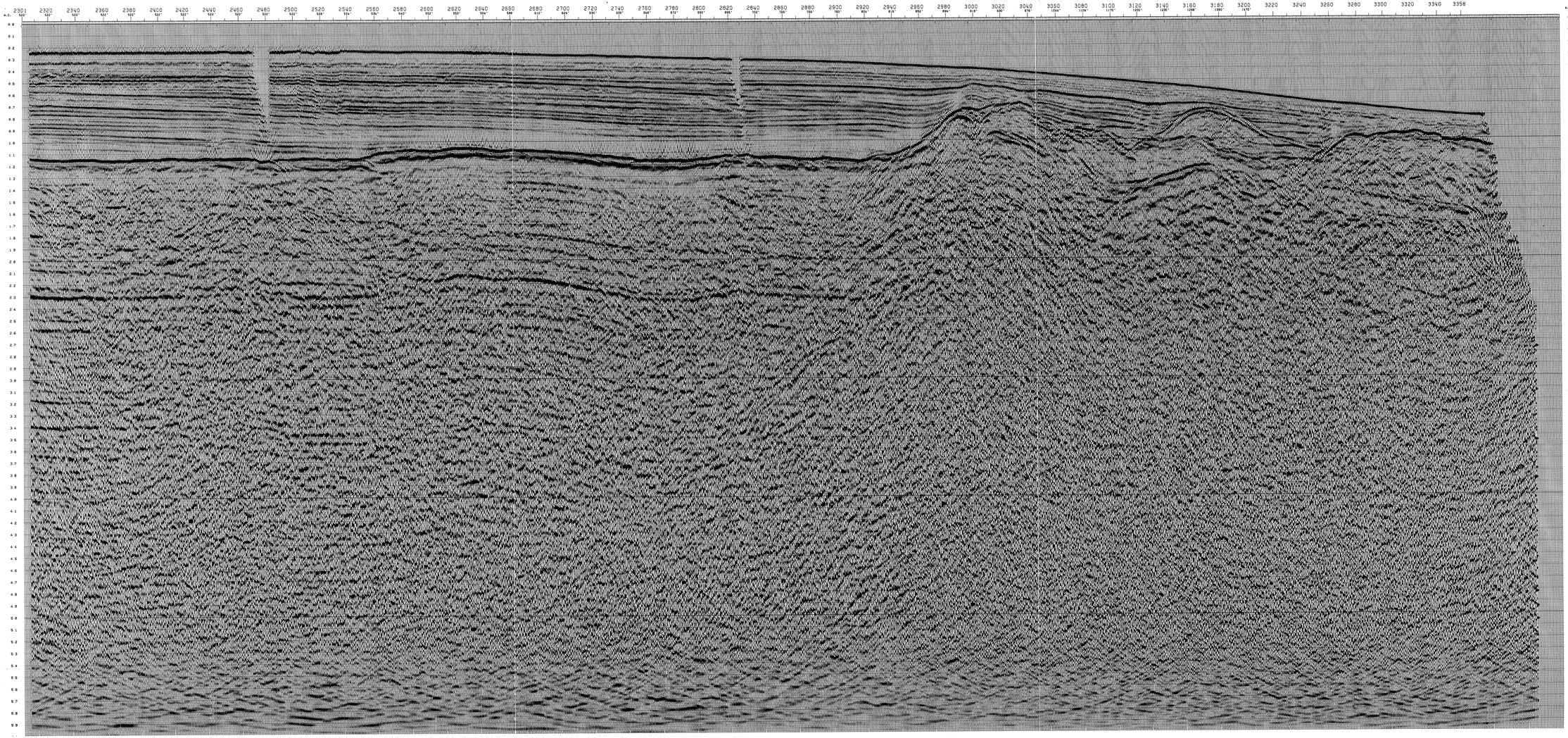
LINE: NB-23
S.P. 2301-3358
1 X 4800% MIG.TVF

MIGRATION BY THE
FINITE DIFFERENCE METHOD

LINE NB-53

LINE NB-55

NORTHWEST



WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA : NAVARIN BASIN

SHOT BY WESTERN GEOPHYSICAL — PARTY 60 JUNE-AUG. 1978
PROCESSED BY WESTERN (HOC) — GROUP 16 — 1978
USGS PERMIT NO.: 78-5

RECORDING DATA

	SOURCE
ENERGY SOURCE	AIR GUNS
NUMBER OF GUNS	12
GUN DEPTH	25 FEET
FIRING INTERVAL	110 FEET
SHOT POINT INTERVAL	110 FEET
DISTANCE OF SOURCE TO ANTENNA	154 FEET

	INSTRUMENTS
SYSTEM	LRS-888
AMPLIFIER	CDSN III(INST.FL.PT.)
FILTER	L/S-H/12K
SAMPLING INTERVAL	2 MS
RECORD LENGTH	6 SECONDS
FORMAT	SEG-Y (DEMULTIPLEX)

	CABLE
TYPE CABLE	STREAMER
CABLE LENGTH	10340 FEET
CABLE DEPTH	45 FEET
LEAD IN	850 FEET
GROUP INTERVAL	220 FEET
NUMBER OF GROUPS RECORDED	48

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. DECONVOLVED BEFORE STACK
   - TYPE: MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH: 3 EQUAL ZONES
   - OVERLAP: 20% OF ZONE
   - LENGTH OPERATOR: 200 MS
   - PREDICTION DISTANCE: 4 MS
2. NMO STACK 4800 %
3. AGC
4. MIGRATION
5. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.00 - 0.50 SEC	12	50
0.50 - 1.00 SEC	10	45
1.00 - 2.00 SEC	8	40
2.00 - 3.00 SEC	6	35
3.00 - 4.00 SEC	5	30
4.00 - 6.00 SEC	4	24

TIME ZONES VARY WITH STRUCTURES

LEGEND
W.D. INTERSECTIONS WATER DEPTH

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

NOTATIONS
- SHOTPOINT LOCATION AT ANTENNA
- PLAYBACK CORRECTION TO SEA LEVEL DATUM -10 MS
- MIGRATION MEC: 48679