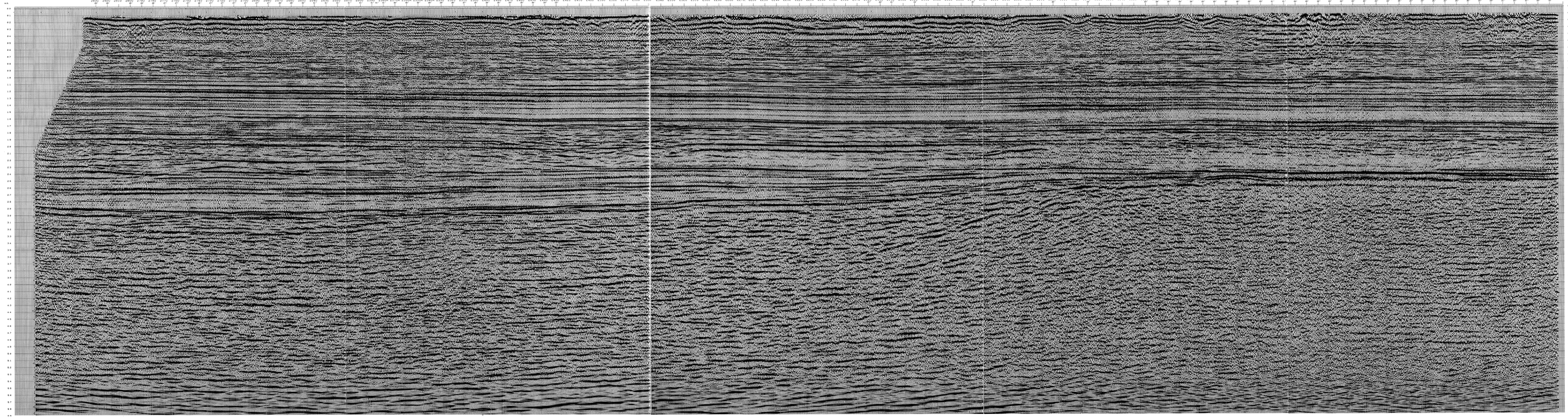
09 Orig

09 Orig

HB-401
S.P. 2830'-1508A
2 X 24005 MIG.BPF
MIGRATION BY FINITE
DIFFERENCE METHOD



WESTERN GEOPHYSICAL COMPANY
OFFSHORE ALASKA
PRUDHOE BAY - BEAUFORT SEA

SHOT BY:WESTERN GEOPHYSICAL, PERMIT NO.:LEASE DATE:1-JUNE-84/1978
PROCESSED BY:WESTERN GEOPHYSICAL, SHOOT NO.:0 DATE:1-NOV-1.-1978

RECORDING DATA

SOURCE	
ENERGY SOURCE	AIR GUNS
CHARGE SIZE	500 CU.IN.
NUMBER OF GUNS	4
SLM DEPTH	33 FEET
SHOT POINT INTERVAL	164 FEET
DISTANCE OF SOURCE TO ANTENNA	197 FEET
INSTRUMENTS	
SYSTEM	
FILTERS	SHOT-FLOATING POINT
FOCUS	24 BIT
SAMPLING INTERVAL	2 MS.
RECORD LENGTH	8 SECONDS
CABLE	
TYPE CABLE	FMC
CABLE LENGTH	1584 FEET
GROUP	132 FEET
GROUP INTERVAL	12 FEET
NUMBER OF GROUPS RECORDED	132

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
2. SAMPLING INTERVAL 2 MS.
3. DECONVOLVED BEFORE STACK
   - DESIGN GATE 1.0 SECS MAX PHASE INVERSE FILTER
   - WINDOW LENGTH 1.0 SECS. ZERO
   - FREQUENCY 20/ 50 HZ
   - LOWCUT WINDOW 12 HZ
   - PREDICTION DISTANCE 12 MS
   - PREWHITENING 0.1 %
4. AUTOMATIC STATICS
5. NMO
6. CROSSED STACK 2FOLD
7. PERIO DATA
8. RMS DATA
9. MIGRATION
   - FINITE DIFFERANCE METHOD
10. PERIO DATA
11. RMS DATA
12. BANDPASS FILTER

LOW CORNER		L.C. CPS	H.C.
D.B.	H.C.		
0	70	8	10

12. PLOTBACK INFORMATION
   - MAXIMUM REL.NUMBER 96 FOLD
   - PLOT REL.NUMBER - 48FOLD
   - PLOTTER - VERSATEC
   - PLOTBACK SETTING 25.0%
   - HEADER NUMBER - 4001FOLD

POLARITY CONVENTION

RECORDING - COMPRESSION PULSE POSITIVE NUMBER
DISPLAY - COMPRESSION PULSE POSITIVE NUMBER
DISPLAY - COMPRESSION PULSE PEAK - METERING BLACK

NOTATIONS

SEA LEVEL CORRECTION MAD 0 =NA MS RELATIONSHIP APPLIED TO TIE 1978 DATA