31
MIG

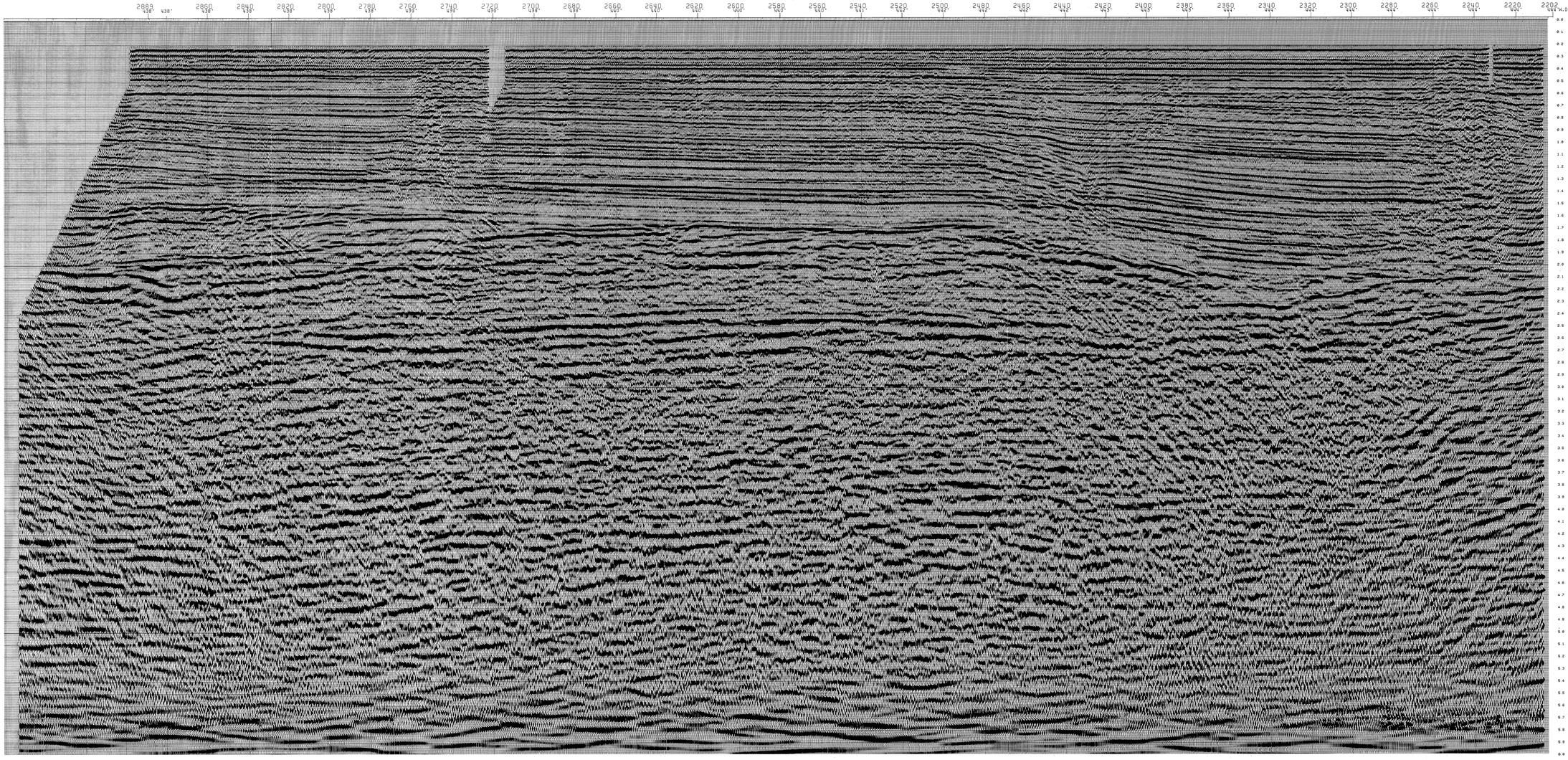
31
MIG

WSGB-328X

S.P. 2889 -2202

1 X 6000%, MIGRATION TVF

NORTHEAST



WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

ST. GEORGE BASIN U.S.G.S.# 81-19

SHOT BY WESTERN GEOPHYSICAL CO. PARTY 60 MAY 1981
PROCESSED BY WESTERN GEOPHYSICAL CO. HDC GROUP 27 JAN 1983
PLAYBACK REEL NO.: 077430 JOB #4358

RECORDING DATA

SOURCE

ENERGY SOURCE	AIRGUN
NUMBER OF GUNS	16
GUN DEPTH	22 FEET
FIRING INTERVAL	82 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	51 FEET

INSTRUMENTS

SYSTEM	DFS-V
AMPLIFIER	INST. FLOATING POINT
FILTER	L/S.3H/128
SAMPLING INTERVAL	2 MSEC
RECORD LENGTH	6.0 SEC

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	9758 FEET
CABLE DEPTH	45 FEET
LEAD IN	761 FEET
GROUP INTERVAL	82 FEET
NUMBER OF GEOPHONES PER GROUP	20
NUMBER OF GROUPS RECORDED	119

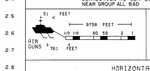
PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC

1. EDIT
2. DECONVOLVED BEFORE STACK
   TYPE - MINIMUM PHASE INVERSE FILTER
   WINDOW LENGTH 3 EQUAL ZONES
   LENGTH OPERATOR 200 MS
   PREDICTION DISTANCE 4 MS
3. NMO STACK 6000%
4. MIGRATION
   FINITE DIFFERENCE METHOD
5. GAIN
6. TIME VARIANT FILTER

TIME ZONE		L.C. (HZ)	H.C.
.2	SEC	12	50
1.4	SEC	10	45
2.2	SEC	8	40
3.3	SEC	5	30
4.5	SEC	4	20

119 GROUP CABLE USING ALL GROUPS
SHOTPOINT LOCATION AT ANTENNA
CORRECTION TO SEA LEVEL DATUM 12 MSEC
NEAR GROUP ALL BAD



LEGEND
W.D. INTERSECTIONS
WATER DEPTH

HORIZONTAL SCALE
129 TRACES EQUALS ONE MILE

POLARITY CONVENTION
RECORDING : COMPRESSION PULSE NEGATIVE NUMBER
PROCESSING : COMPRESSION PULSE NEGATIVE NUMBER
DISPLAY : COMPRESSION PULSE PEAK (INCREASING BLACK)