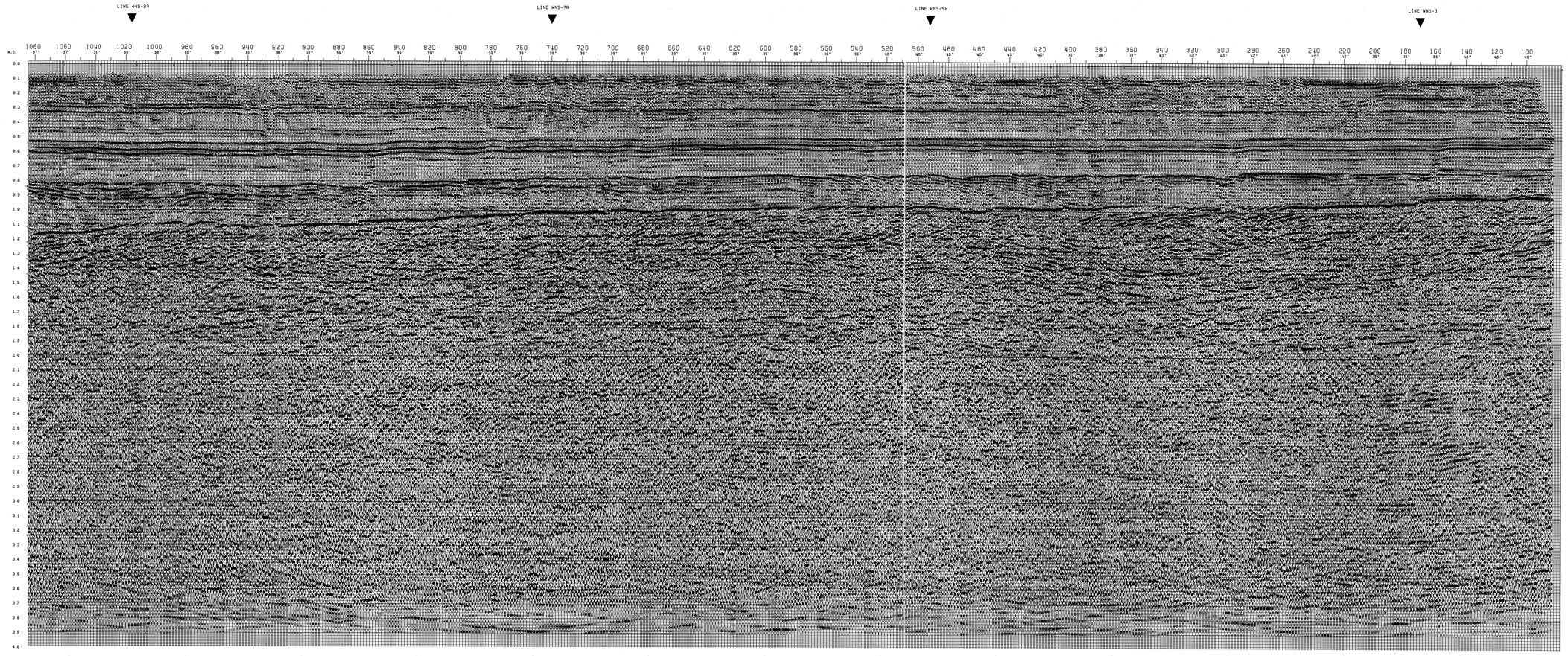
PAGE 01 3-28-79
REEL 456850 SHIFT 1
GAIN 016 DB SYSTEM 1

PAGE 01 3-28-79
REEL 456850 SHIFT 1
GAIN 016 DB SYSTEM 1

LINE WNS-6A
S.P. 1084-100

1 X 1200% MIG,TVF
MIGRATION BY FINITE
DIFFERENCE METHOD



SOUTHWEST

WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA : NORTON SOUND

SHOT BY WESTERN GEOPHYSICAL PARTY 60 DATE JUNE-AUG. 1977
REPROCESSED BY WESTERN GEOPHYSICAL GROUP 11 DATE MARCH 1979
USGS PERMIT NO.: 77-22

RECORDING DATA

SOURCE

ENERGY SOURCE	AIR GUNS
NUMBER OF GUNS	8
GUN DEPTH	25 FEET
FIRING INTERVAL	50 FEET
SHOT POINT INTERVAL	50 FEET
DISTANCE OF SOURCE TO ANTENNA	47 FEET

INSTRUMENTS

SYSTEM	DDS-880
AMPLIFIER	CDBA I (INST.FL.PT.)
FILTER	L/6-H/124
SAMPLING INTERVAL	2 MS
RECORD LENGTH	4 SECONDS
FORMAT	SEG-C

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	1150 FEET
CABLE DEPTH	25 FEET
LEAD IN	435 FEET
GROUP INTERVAL	50 FEET
NUMBER OF GROUPS RECORDED	24

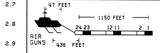
PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 2 MS

1. EDIT
2. DECONVOLVED BEFORE STACK
   - TYPE - MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH 2 EQUAL ZONES
   - OVERLAP 20% OF ZONE
   - LENGTH OPERATOR 200 MS
   - PREDICTION DISTANCE 2 MS
3. AUTOMATIC STATICS
4. NMO STACK 1200 %
5. DECONVOLVED AFTER STACK
   - TYPE - MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH 2 ZONES OF 1000 MS
   - OVERLAP 20% OF ZONE
   - LENGTH OPERATOR 100 MS
   - PREDICTION DISTANCE 20 MS
6. MIGRATION
7. RADIAL PRED. FILTER
8. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.00-0.50 SEC	12	80
0.50-1.00 SEC	10	60
1.00-1.50 SEC	10	60
1.50-2.10 SEC	8	50
2.10-3.10 SEC	6	40
3.10-4.00 SEC	6	35

TIME ZONES VARY WITH STRUCTURES



LEGEND
W.D. INTERSECTIONS WATER DEPTH

HORIZONTAL SCALE
100 TRACES EQUALS 1 MILE

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

NOTATIONS
SHOTPOINT LOCATION AT ANTENNA
PLAYBACK CORRECTION TO SEA LEVEL DATUM +8 MS
REEL NUMBER 456850
ONLY EVEN NUMBERED STACK TRACES USED IN MIGRATION