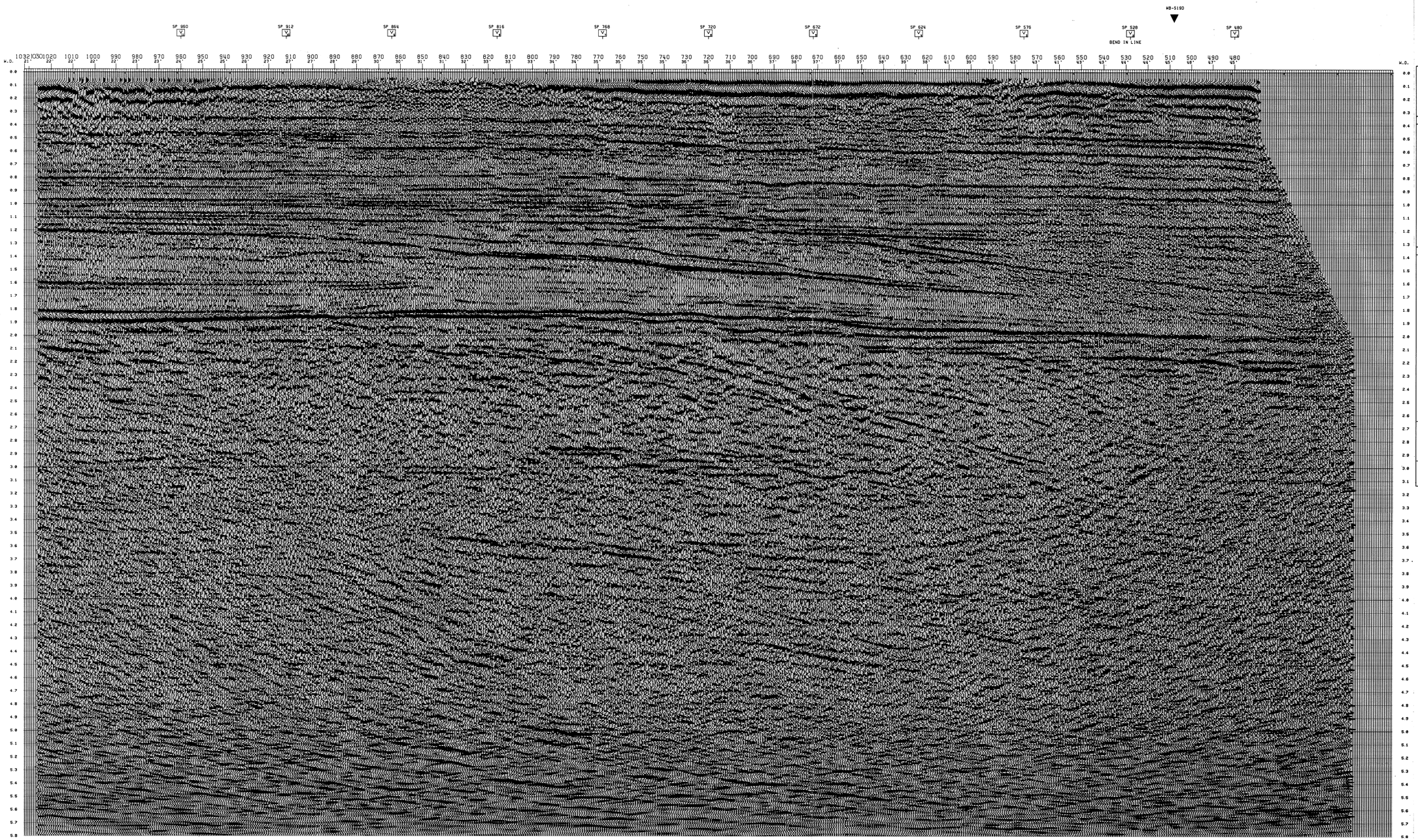
25 Amy.

PAGE 01 12/15/80
REEL 491789 SHIFT 2
GAIN 815 DB SYSTEM 3
CLIENT WESTERN LINE WB-562D

25 Amy.

LINE:WB-562D
SP 1032-480
MIGRATION BY FINITE
DIFFERENCE METHOD
2X2400 % MIG BPF




NORTHEAST

# WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA : BEAUFORT SEA

SHOT BY WESTERN GEOPHYSICAL PARTY NO.195 DATE :SEPT.20,1980
PROCESSED BY WESTERN GEOPHYSICAL GROUP NO.4 DATE :DEC.22,1980
USGS PERMIT NO. 80-42

## RECORDING DATA

### SOURCE

| | |
|---|---|
| ENERGY SOURCE | AIRGUNS |
| CHARGE SIZE | 580CU.IN. |
| NUMBER OF GUNS | 10 |
| GUN DEPTH | 15 FEET |
| SHOT POINT INTERVAL | 164 FEET |
| DISTANCE OF SOURCE TO ANTENNA | 25 FEET |

### INSTRUMENTS

| | |
|---|---|
| SYSTEM | OFS V |
| AMPLIFIER | INST.FLOATING POINT |
| FILTER | L/S-H/120 |
| SAMPLING INTERVAL | 2 MS. |
| RECORD LENGTH | 6 SECONDS |

### CABLE

| | |
|---|---|
| TYPE CABLE | DRAG |
| CABLE LENGTH | 7700 FEET |
| LEAD IN | 945 FEET |
| GROUP INTERVAL | 164 FEET |
| NUMBER OF GROUPS RECORDED | 48 |
| AVERAGE CABLE DEPTH | BOTTOM |

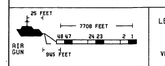
## PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
   SAMPLING INTERVAL 2 MS
   IN. PRE-FILTER 8-OUT
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.
3. AUTOMATIC STATICS
4. NMO STACK 2400 %
5. PEAKS GAIN
6. RMS GAIN
7. MIGRATION -
   FINITE DIFFERENCE METHOD
8. PEAKS GAIN
9. RMS GAIN
10. BANDPASS FILTER

| TIME ZONE | L.C. (CPS) | H.C. |
|---|---|---|
| 0.0 - 6.0 SEC. | 8 - | 55 |

11. PLAYBACK INFORMATION
    STACK REEL NUMBER- 470127
    FILM REEL NUMBER - 491789
    POLARITY - REVERSE
    PLAYBACK SETTING - 15 DB




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

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