WNS-258A

S.P. 2400A-4800A

AUTOMATIC STATICS APPLIED
1 X 2400% RPF, MIG, TVF
MIGRATION BY FINITE
DIFFERENCE METHOD

SOUTHWEST

15 mig.

WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA : NORTON SOUND

SHOT BY WESTERN GEOPHYSICAL PARTY NO. 190 DATE : SEPT. 4, 1979
PROCESSED BY WESTERN GEOPHYSICAL GROUP NO.4 DATE : DEC. 18 , 1979
USGS PERMIT NO. 79-13

RECORDING DATA

SOURCE

ENERGY SOURCE	AIR GUNS
NUMBER OF GUNS	10
SHOT POINT INTERVAL	165 FEET
DISTANCE OF SOURCE TO ANTENNA	50 FEET
MAXIMUM CHARGE SIZE	680 CU. IN.
AVERAGE GUN DEPTH	15 FEET

INSTRUMENTS

SYSTEM	DFS-V
AMPLIFIER	INST.FLOATING POINT
FILTER	L/5-H/128
SAMPLING INTERVAL	2 MS.
RECORD LENGTH	6 SECONDS

CABLE

TYPE CABLE	DRAG
CABLE LENGTH	7755 FEET
LEAD IN	916 FEET
GROUP INTERVAL	165 FEET
NUMBER OF GROUPS RECORDED	48
AVERAGE CABLE DEPTH	30 FEET

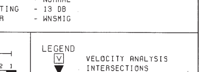
PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 2 MS

1. EDIT
2. PRE-FILTER 8-OUT
3. 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
4. AUTOMATIC STATICS
5. NMO
6. MEDIAN STACK 2400%
7. RADIAL PREDICTIVE FILTER
8. PEAKS GAIN
9. RMS GAIN
10. MIGRATION
    FINITE DIFFERENCE METHOD
11. PEAKS GAIN
12. RMS GAIN
13. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.00-0.40 SEC	15	55
0.40-0.90 SEC	12	50
0.90-1.80 SEC	10	45
1.80-2.40 SEC	8	40
2.40-3.30 SEC	7	35
3.30-5.00 SEC	7	35
5.00-6.00 SEC	7	35

14. PLAYBACK INFORMATION
    STACK REEL NUMBER - 287015
    FILM REEL NUMBER - 619050
    POLARITY - NORMAL
    PLAYBACK SETTING - 13 DB
    HEADER NUMBER - WNSMIG



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)