

SOUTHWEST

WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA: SHELIKOF STRAIT

SHOT BY WESTERN PARTY 60 R/V ANNE BRAVO NOVEMBER, 1979
 PROCESSED BY WESTERN'S DENVER CENTER MARCH, 1980
 USGS OCS PERMIT NO. 78-33

RECORDING DATA

SOURCE

ENERGY SOURCE AIRGUNS
 NUMBER OF GUNS 16
 GUN DEPTH 20 FEET
 FIRING INTERVAL 82 FEET
 SHOT POINT INTERVAL 82 FEET
 DISTANCE OF SOURCE TO ANTENNA 119 FEET
 NORMAL GUN ARRAY SIZE 600 CU. IN. 4600 PSI

INSTRUMENTS

SYSTEM DFS-5
 AMPLIFIER INST. FLOATING POINT
 FILTER 5.3-128
 SAMPLING INTERVAL 2 MS
 RECORD LENGTH 6 SECONDS
 FIELD FORMAT 100 CHANNELS SEG-B GAPPED

CABLE

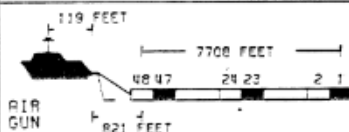
TYPE CABLE STREAMER
 CABLE LENGTH 7708 FEET
 CABLE DEPTH 35 FEET
 LEAD IN 821 FEET
 GROUP INTERVAL 164 FEET
 NUMBER OF GEOPHONES PER GROUP 26/18
 NUMBER OF GROUPS RECORDED 48

PROCESSING SEQUENCE AND PARAMETERS

- PROCESSING SAMPLING INTERVAL 4 MS
- EDIT
 - DECONVOLVED BEFORE STACK
 - TYPE - MINIMUM PHASE INVERSE FILTER
 - WINDOW LENGTH 3 EQUAL ZONES
 - OVERLAP 20% OF ZONE
 - LENGTH OPERATOR 140 MS
 - PREDICTION DISTANCE 4 MS
 - NMO STACK 4800 %
 - COHERENT NOISE FILTER
 - RMS GAIN

6. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.00 - 1.00 SEC	10	50
1.00 - 1.60 SEC	8	40
1.60 - 2.20 SEC	7	35
2.20 - 3.00 SEC	6	30
3.00 - 6.00 SEC	5	25



LEGEND

VELOCITY ANALYSIS
 INTERSECTIONS
 W.D. WATER DEPTH
 VEL. ANALYSIS EVERY 5904 FEET

POLARITY CONVENTION

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

NOTATIONS

SP LOCATION AT ANTENNA
 PLAYBACK REEL NUMBER 183038
 PLAYBACK GAIN 13 DB
 DATA CORRECTED TO SEA LEVEL