

SOUTHWEST

WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA: SHELIKOF STRAIT

SHOT BY WESTERN PARTY 60 R/V ANNE BRAVO OCTOBER, 1979
 PROCESSED BY WESTERN'S DENVER CENTER MARCH, 1980
 USGS OCS PERMIT NO. 79-33

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	5.3-120
SAMPLING INTERVAL	2 MS
RECORD LENGTH	6 SECONDS
FIELD FORMAT	100 CHANNELS SEG-B GAPPED

CABLE

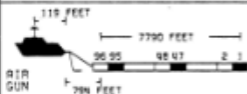
TYPE CABLE	▲ STREANER
CABLE LENGTH	7790 FEET
CABLE DEPTH	35 FEET
LEAD IN	794 FEET
GROUP INTERVAL	82 FEET
NUMBER OF GEOPHONES PER GROUP	20
NUMBER OF GROUPS RECORDED	96

PROCESSING SEQUENCE AND PARAMETERS

- PROCESSING SAMPLING INTERVAL 4 MS
1. EDIT
 2. 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
 3. NMO STACK 4800 Z
 4. COHERENT NOISE FILTER
 5. 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 4920 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 19477
 PLAYBACK GAIN 13 DB
 DATA CORRECTED TO SEA LEVEL