

S. P. 911-1590
 4000% STACK
 MIGR, AGC, BPF
 (6 - 30)

SOUTHEAST

ARCO OIL AND GAS COMPANY

OFFSHORE ALASKA

AREA: SILVER SALMON

LINE: LZZ-10 SHOTPOINT: 911-1590
 PROJECT: 12-11518 SURVEY: G-2548-3
 SHOT BY DIGICON INC. PARTY 529 DIGICON EXPLORER DATE: MAY 22, 1981
 PROCESSED BY WESTERN GEOPHYSICAL (DALLAS) GAP, 9917 DATE: AUG. 3, 1981

RECORDING DATA

SOURCE	
ENERGY SOURCE	AIRGUN
NUMBER OF GUNS	40
GUN DEPTH	40 FEET
FIRING INTERVAL	82 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	685 FEET
GUN ARRAY SIZE	3200 CU. IN. 1850 PSI

INSTRUMENTS	
SYSTEM	035-144
AMPLIFIER	INST. FLOATING POINT
FILTER	L/F8 H/80
SAMPLING INTERVAL	4 MS
RECORD LENGTH	6 SECONDS
MULTIPLICITY RECORDED	4000%
FORMAT	SEG-T

CABLE	
TYPE CABLE	STREAGER
CABLE LENGTH	8520 FEET
LEAD IN	960 FEET
GROUP INTERVAL	41 FEET
NUMBER OF GROUPS RECORDED	160
AVERAGE CABLE DEPTH	40 FEET
PROCESSING GROUP INTERVAL	164 FEET
BOAT DIRECTION	SOUTHEAST

PROCESSING SEQUENCE AND PARAMETERS

- PROCESSING SAMPLE RATE 4 MS
- CONVERSION TO WESTERN FORMAT
160 TRACES OUTPUT
FLOATING POINT
 - RMS GAIN
LENGTH OF FIRST ZONE 256 MS
LENGTH OF LONGEST ZONE 256 MS
OUTPUT RMS 2000
 - BEAM STEER
SUN FIVE, MOVE FOUR
40 TRACE OUTPUT
DIFFERENTIAL AND APPLIED
 - COHERENT NOISE FILTER
 - DECONVOLVED BEFORE STACK
TYPE - MINIMUM PHASE INVERSE FILTER
WINDOW LENGTH 3 EQUAL ZONES
OVERLAP 20% OF ZONE
LENGTH OPERATOR 200 MS
PREDICTION DISTANCE 16 MS.
 - NMO STACK 4000%
STACK REEL NO. - 14516
 - COHERENT NOISE FILTER
 - DECONVOLVED AFTER STACK
TYPE - MINIMUM PHASE INVERSE FILTER
LENGTH OPERATOR 200 MS
PREDICTION DISTANCE 32 MS.
 - RMS GAIN
LENGTH OF FIRST ZONE 24 MS
LENGTH OF LONGEST ZONE 512 MS
OUTPUT RMS 2000
 - BANDPASS FILTER
TIME ZONE L.C. (HZ) H.C.
0.0 - 6.0 SEC. 6 - 50
FILTER SLOPES 18 36
 - MIGRATION
FINITE DIFFERENCE METHOD
MIGRATION REEL NO. - 19462
 - RMS GAIN
LENGTH OF FIRST ZONE 24 MS
LENGTH OF LONGEST ZONE 512 MS
OUTPUT RMS 2000
 - BANDPASS FILTER
TIME ZONE L.C. (HZ) H.C.
0.0 - 6.0 SEC. 6 - 50
FILTER SLOPES 18 36
 - PLAYBACK INFORMATION
PLAYBACK SETTING - 12 DB
POLARITY - NORMAL
GUN AND CABLE DEPTH CORRECTION: 16MS

PROCESSING ANALYST: *J. Howell*
 SUPERVISOR: *S. Harts*



LEGEND
 VELOCITY ANALYSIS INTERSECTIONS
 W.D.

HORIZONTAL SCALE

64 TRACES = 1 MILE

40 TRACES = 1 KM

1 MILE

VERTICAL SCALE

2.5 INCHES = 1.0 SECOND

POLARITY CONVENTION

RECORDING : COMPRESSION PULSE NEGATIVE NUMBER
 PROCESSING : COMPRESSION PULSE NEGATIVE NUMBER
 DISPLAY : COMPRESSION PULSE TROUGH (DECREASING BLACK)