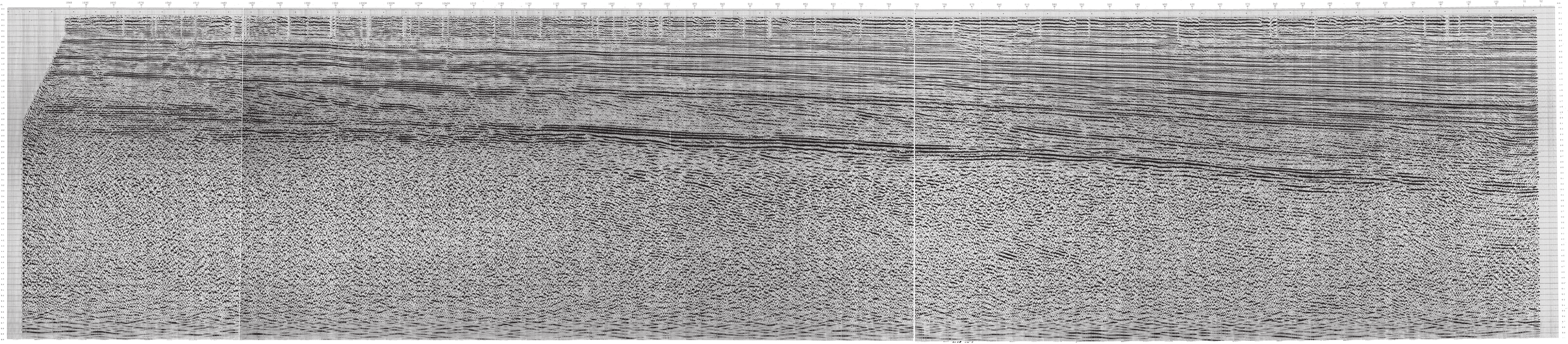
WR-049
S.P. 648-02
1X2000 DOUBLE DENSITY DBS TYP
MIGRATION BY FINITE
DIFFERENCE METHOD

SOUTHWEST



WESTERN GEOPHYSICAL
DIVISION ALASKA

SHOT BY WESTERN GEOPHYSICAL, WHITE RIVER, YUKON
PROCESSED BY WESTERN GEOPHYSICAL IN FEBRUARY, 1979
PROCESSING SYSTEM: DISCO
PLOTTED FEB. 20, 1979

RECORDING DATA

SOURCE
SHOT INTERVAL 50 FEET
SHOTS/LINE 1
SHOTS/RECORD 1
SHOT DEPTH 50 FEET
CARRIER INTERVAL 50 FEET
SHOT FORMAT VERTICAL

GEOPHONES
TYPE SG-30H
GROUP INTERVAL 50 FEET
GROUP FORM 24 GEOPHONES PER GROUP
GROUP DEPTH 0.5 FEET
RECORD LENGTH 6 SECONDS

CREW
CREW LEADER STEWARD
CREW NUMBER 1
CREW DATE 02-03-79
CREW SHIFT DAYS
GROUP INTERVAL 50 FEET
TOTAL FOLD OF GROUP RECORDED 24

PROCESSING SEQUENCE AND PARAMETERS

1. DEMULTIPLEX
PROCESSING COMPUTER OPTIONS: 1, 2, 3
2. EDIT
3. DENSITY TRACE TAPE
4. RECTIFIED-DIFFERENCE TRACE
5. DENSITY-DIFFERENCE TRACE (DOUBLE FILTER)
WINDOW LENGTH 2 SECS. (1000)
FILTER LENGTH 31 (16)
FILTER DIMENSIONS 2D
SAMPLE INTERVALS 4 MS
6. NMO STACK (SAVED DOUBLE DENSITY)
7. DENSITY FILTER
8. TIME VARIANT FILTER
TIME (MS) FREQUENCY (HZ) DB/OCT
0.0-2.0 40 -18 (-3000)
2.0-4.0 35 -18 (-3000)
4.0-6.0 30 -18 (-3000)
6.0-8.0 25 -18 (-3000)
8.0-10.0 20 -18 (-3000)
10.0-12.0 15 -18 (-3000)
12.0-14.0 10 -18 (-3000)
14.0-16.0 5 -18 (-3000)
9. MIGRATION
FINITE DIFFERENCE METHOD

SELECT ANALYSIS
SPECTRUM
SELECT ANALYSIS
WINDOW
WATER DEPTH
FILTER SPECTRUM

VERTICAL SCALE
2x TWO-WAY TIME

VELOCITY CONVERSION
PRIMARY: CONVERSION FILE VELOCITY SURVEY
SECONDARY: CONVERSION FILE VELOCITY SURVEY
TERTIARY: CONVERSION FILE VELOCITY SURVEY (WESTERN ALASKA)

WESTERN GEOPHYSICAL