

9229-N10-2E



SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT: NORTHCOR ENERGY LTD

PROSPECT: TRAINER LAKE

WAVE EQUATION
MIGRATION

LINE OSL-9 DIRECTION NE

FIELD PARAMETERS

SHOT BY: SEFEL GEOPHYSICAL
DATE SHOT: PARTY 508
SOURCE: MARCH 1989
SOURCE PATTERN: DYNAMITE
CHARGE SIZE: SINGLE HOLE
GEOPHONE TYPE: 2 KG AT 12 M
GEOPHONE FREQ: GEGSPACE
GEOPHONE PATTERN: 10 HZ
INSTRUMENTS: 9 AT 3 M INTERVALS
FORMAT: ADS-10 96 TRACES
RECORDING FILTER: SEC 8
RECORD LENGTH: 9-18 - 125/72 HZ
SAMPLE INTERVAL: 3 SEC
SPREAD GEOMETRY: 1200-25-X-25-1200
GROUP INTERVAL: 2 MS
SHOT POINT INTERVAL: 25 M
SHOT POINT INTERVAL: 100 M

PROCESSING SEQUENCE

- 1 DEMULTIPLEX WITH GAIN REMOVAL
- 2 PROCESSING SAMPLE RATE 2 MS
- 3 COP TRACE GATHERS 1200 PERCENT
- 4 AUTOMATIC GAIN CURVE APPLICATION
- 5 INSTRUMENT PHASE COMPENSATION
- 6 GEOPHONE PHASE COMPENSATION
- 7 SPIKING DECONVOLUTION
- 8 WINDOW (MINIMUM OFFSET) 300-1300 MS
(TAPERING WITH OFFSET)
- 9 OPERATOR LENGTH 60 MS
PREWHITENING 1 PERCENT
- 10 WEATHERING STATISTICS
- 11 DATUM ELEVATION 700 M ASL
DATUM VELOCITY 2750 M/SEC
WEATHERING VELOCITY 610 M/SEC
- 12 VELOCITY ANALYSIS
- 13 RMS AND EDITS
- 14 AUTOMATIC RESIDUAL STATISTICS
- 15 MAX CORRELATION LAG +-20 MS
WINDOW 350-1300 MS
- 16 CAMPAIGN OFFSET STACK
- 17 AUTOMATIC RESIDUAL STATISTICS
- 18 MAX CORRELATION LAG +-15 MS
WINDOW 350-950 MS
- 19 MUTE
- 20 STACK 1200 PERCENT
- 21 WAVE EQUATION MIGRATION
- 22 BANDPASS FILTER
- 23 EQUALIZATION
- 24 WINDOW 300-1700 MS
- 25 FILM DISPLAY
- 26 REVERSE
- 27 POLARITY 18 TRACES/IN.
7.5 INCHES/SEC

QC GEOPHYSICIST TCS DATE JUNE, 1983

