

9229-N10-2 E



SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT **NORTHCOR ENERGY LTD**

PROSPECT **TRAINOR LAKE**

WAVE EQUATION
MIGRATION

LINE **OSL-1** DIRECTION **NE** →

FIELD PARAMETERS

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

PROCESSING SEQUENCE

- 1 DEMULTIPLEX WITH GAIN REPAIR
- 2 PROCESSING SAMPLE RATE 2 MS PERCENT
- 3 COP TRACE GATHERS 1200
- 4 AUTOMATIC GAIN CURVE APPLICATION
- 5 INSTRUMENT PHASE COMPENSATION
- 6 GEOPHON PHASE COMPENSATION
- 7 SPIKING DECONVOLUTION
WINDOW (MINIMUM OFFSET) 300-1900 MS
TAPERING WITH OFFSET 60 MS
PRESMITTING 1 PERCENT
- 8 WEATHERING STATICS
DATUM ELEVATION 700 M ASL
DATUM VELOCITY 2750 M/SEC
WEATHERING VELOCITY 610 M/SEC
- 9 VELOCITY ANALYSIS
- 10 NRB AND EDITS
- 11 AUTOMATIC RESIDUAL STATICS
NFW CORRELATION LAG +-30 MS
WINDOW 350-1900 MS
- 12 COMMON OFFSET STACK
- 13 RESIDUAL NRB
- 14 AUTOMATIC RESIDUAL STATICS
NFW CORRELATION LAG +-15 MS
WINDOW 350-950 MS
- 15 MUTE
- 16 STACK
- 17 WAVE EQUATION MIGRATION 1200 PERCENT
- 18 BROADBAND FILTER
- 19 EQUALIZATION
- 20 FILM DISPLAY
WINDOW 300-1700 MS
POLARITY REVERSE
18 TRACE/IN
7.5 INCHES/SEC

QC GEOPHYSICIST I.C.S. DATE JUNE, 1983



