

9229-N10-2E



SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT NORTHCOB ENERGY LTD

PROSPECT TRAINER LAKE

WAVE EQUATION
MIGRATION

LINE OSL-3 DIRECTION N.E. →

FIELD PARAMETERS

SHT BY SEFEL GEOPHYSICAL
DATE SHT PART 506
SOURCE MARCH 1989
SOURCE PATTERN DYNALITE
CHARGE SIZE SINGLE HOLE
GEOPHONE TYPE 2 KG AT 12 M
GEOPHONE FREQ GEOSPAC
GEOPHONE PATTERN 10 HZ
INSTRUMENTS 9 AT 3 M INTERVALS
FORMAT MGS-10 98 TRACES
RECORDING FILTER SEC B
RECORD LENGTH 9/18 - 125/72 HZ
SAMPLE INTERVAL 3 SEC
SPREAD GEOMETRY 2 MS
GROUP INTERVAL 1200-25-X-25-1200
SHT POINT INTERVAL 25 M
SHT POINT INTERVAL 100 M

PROCESSING SEQUENCE

- 1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS
- 2 CDP TRACE GATHERS 1200 PERCENT
- 3 AUTOMATIC GAIN CURVE APPLICATION
- 4 INSTRUMENT PHASE COMPENSATION
- 5 GEOPHONE PHASE COMPENSATION
- 6 SPLITTING DECONVOLUTION
WINDOW (MINIMUM OFFSET) 300-1300 MS
(TAPERING WITH OFFSET)
OPERATION LENGTH 60 MS
PREWHITENING 1 PERCENT
- 7 WEATHERING STATISTICS
DATUM ELEVATION 700 M ASL
DATUM VELOCITY 2750 M/SEC
WEATHERING VELOCITY 610 M/SEC
- 8 VELOCITY ANALYSIS
- 9 NMO AND EDITS
- 10 AUTOMATIC RESIDUAL STATISTICS
MAX CORRELATION LAG +-30 MS
WINDOW 350-1300 MS
- 11 COMMON OFFSET STACK
- 12 RESIDUAL NMO
MAX CORRELATION LAG +-15 MS
WINDOW 350-950 MS
- 13 AUTOMATIC RESIDUAL STATISTICS
MAX CORRELATION LAG 1200 PERCENT
WINDOW
- 14 MUTE
- 15 STACK
- 16 WAVE EQUATION MIGRATION
- 17 BANDPASS FILTER
- 18 EQUALIZATION
WINDOW 300-1700 MS
- 19 FILE DISPLAY
NORMAL
POLARITY 16 TRACES/IN
7.5 INCHES/SEC

QC GEOPHYSICIST T.C.S. DATE JUNE, 1989



