

9229-N10-2E



SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT **NORTHCOR ENERGY LTD**

PROSPECT **TRAINER LAKE**

WAVE EQUATION
MIGRATION

LINE OSL-8 DIRECTION N.E. →

FIELD PARAMETERS

SHOT BY	SEFEL GEOPHYSICAL
DATE SHOT	PARTY 508
SOURCE	PARCH 1988
SOURCE PATTERN	DYNARITE
CHARGE SIZE	SINGLE HOLE
GEOPHONE TYPE	2 KG AT 12 M
GEOPHONE FREQ	GEOPHONE
GEOPHONE PATTERN	10 HZ
INSTRUMENTS	9 AT 3 M INTERVALS
FORMAT	105-10 96 TRACES
RECORDING FILTER	SEG B
RECORD LENGTH	9/18 - 125/72 HZ
SAMPLE INTERVAL	3 SEC
SPREAD GEOMETRY	2 MS
GROUP INTERVAL	1200-25-X-25-1200
SHOT POINT INTERVAL	25 M
SHOT POINT INTERVAL	100 M

PROCESSING SEQUENCE

- 1 DEMULTIPLY 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 SPLITTING DECONVOLUTION
- 8 WINDOW (MINIMUM OFFSET) 300-1300 MS
- 9 TAPERING WITH OFFSET
- 10 OPERATOR LENGTH 60 MS
- 11 PREWHITENING 1 PERCENT
- 12 WEATHERING STATISTICS
- 13 DATTM ELEVATION 700 M ASL
- 14 DATTM VELOCITY 2750 M/SEC
- 15 WEATHERING VELOCITY 610 M/SEC
- 16 VELOCITY ANALYSIS
- 17 NMS AND EDITS
- 18 AUTOMATIC RESIDUAL STATICS
- 19 MAX CORRELATION LAG --30 MS
- 20 WINDOW 350-1300 MS
- 21 COMMON OFFSET STACK
- 22 AUTOMATIC RESIDUAL STATICS
- 23 MAX CORRELATION LAG --15 MS
- 24 WINDOW 350-950 MS
- 25 FUTE 1200 PERCENT
- 26 STACK
- 27 WAVE EQUATION MIGRATION
- 28 BANDPASS FILTER
- 29 EQUALIZATION
- 30 WINDOW 300-1700 MS
- 31 FILE DISPLAY
- 32 POLARITY
- 33 NORMAL
- 34 18 TRACES/IN
- 35 7.5 INCHES/SEC

QC GEOPHYSICIST TCS DATE JUNE, 1988



