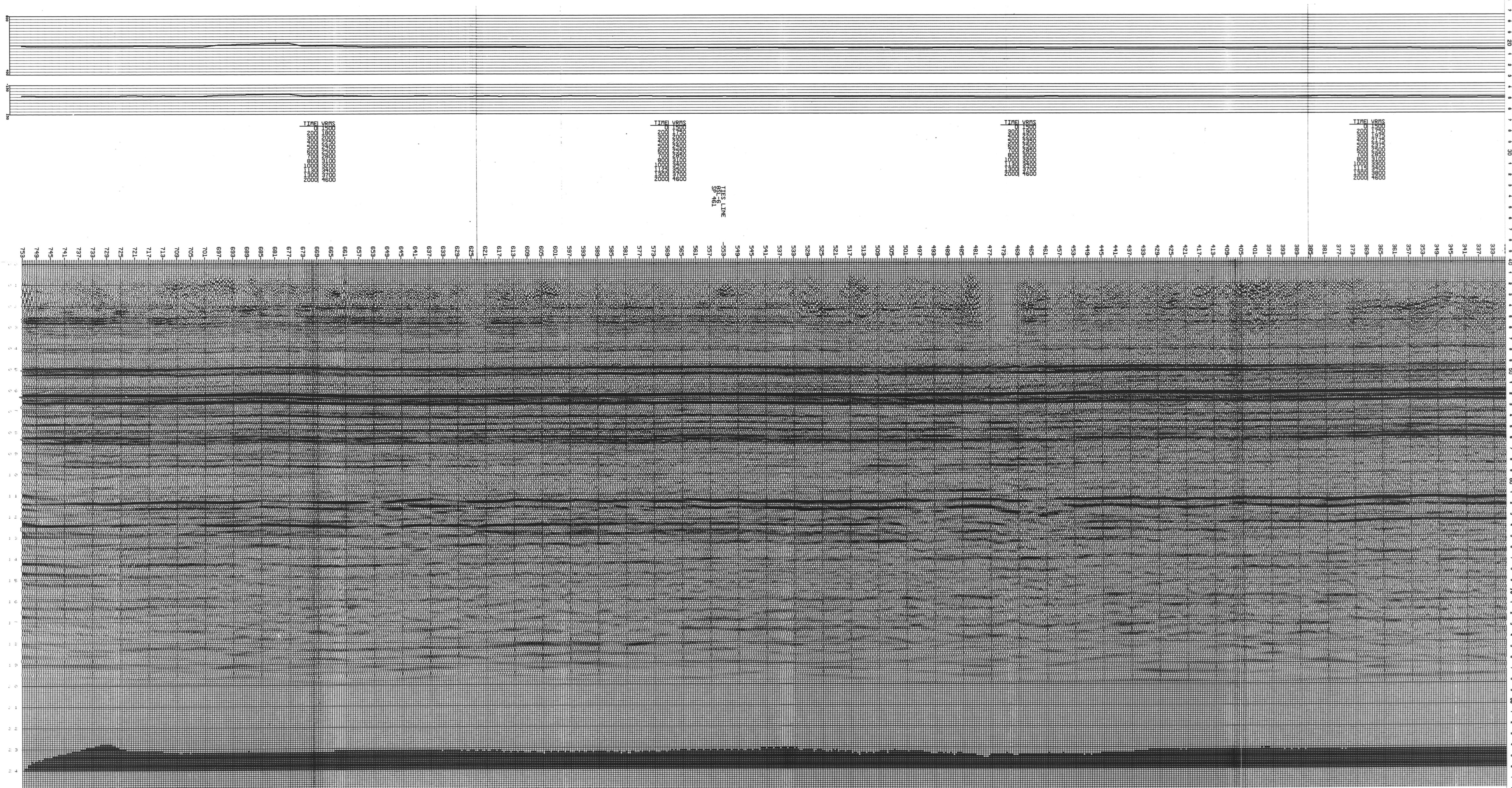




9229-N10-2E



SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT **NORTHCOB ENERGY LTD**

PROSPECT **TRAINOR LAKE**

WAVE EQUATION
MIGRATION

LINE **OSL-2** DIRECTION **NE** →

FIELD PARAMETERS

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

PROCESSING SEQUENCE

- 1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS
- 2 CDP TRACE GATHERS
AUTOMATIC GAIN CURVE APPLICATION 1200 PERCENT
- 3 AUTOMATIC GAIN CURVE APPLICATION
- 4 INSTRUMENT PHASE COMPENSATION
- 5 GEOPHONE PHASE COMPENSATION
- 6 SPARKING DECONVOLUTION
WINDOW (MINIMUM OFFSET) 800-1800 MS
(TAPERING WITH OFFSET)
- 7 WEATHERING STATISTICS
PREWHITENING 60 MS
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 950-1900 MS
- 11 COMMON OFFSET STACK
- 12 RESIDUAL NMO
AUTOMATIC RESIDUAL STATISTICS
MAX CORRELATION LAG +-15 MS
WINDOW 950-950 MS
- 13 MUTE
- 14 STACK
- 15 WAVE EQUATION MIGRATION 1200 PERCENT
- 16 BANDPASS FILTER
- 17 EQUALIZATION
- 18 FILM DISPLAY
WINDOW 300-1700 MS
POLARITY NORMAL
16 TRACE/IN.
7.5 INCHES/SEC

GC GEOPHYSICIST **TCS** DATE **JUNE, 1989**

