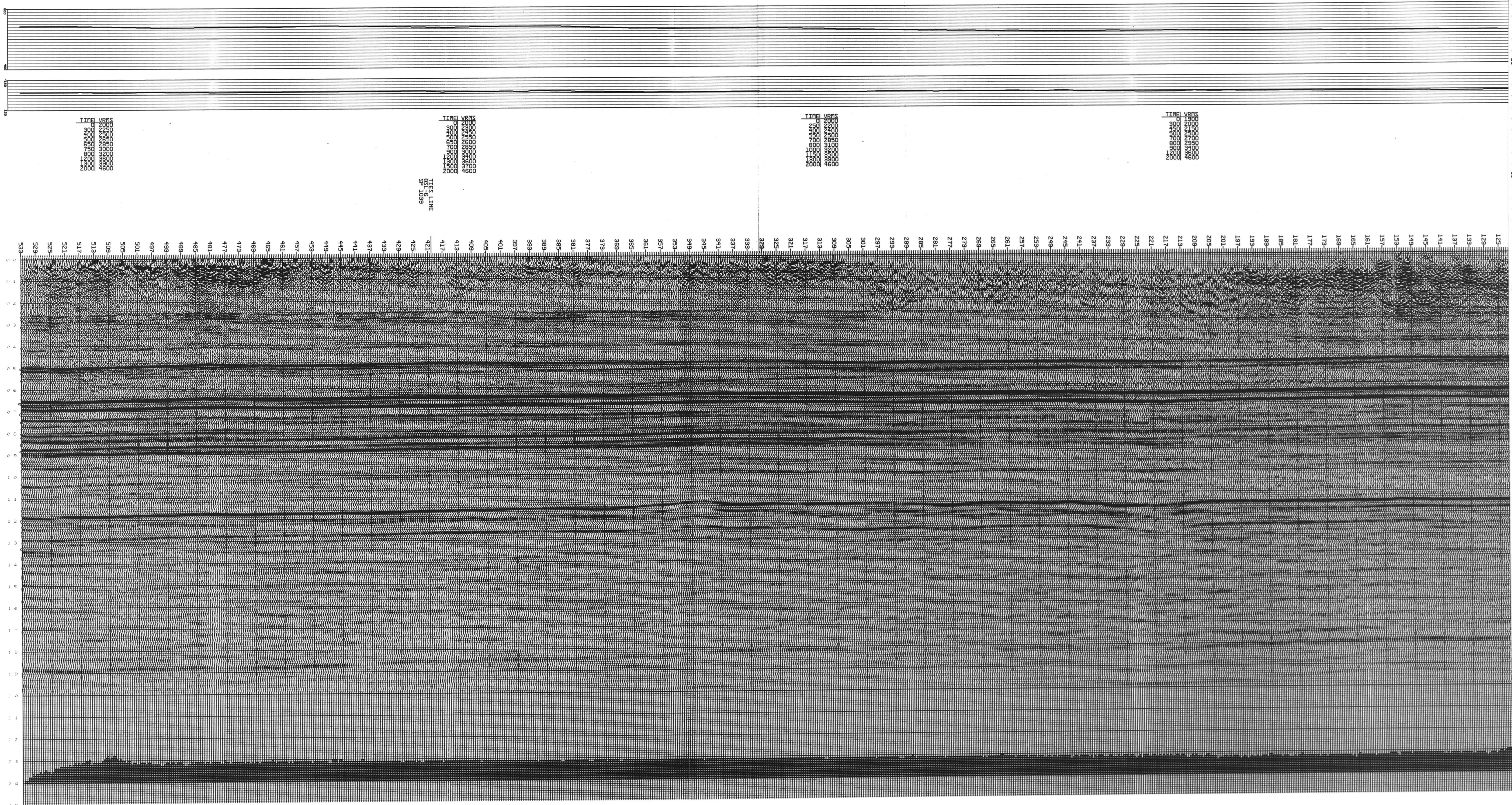




9229-N10-EE



SEFEL GEOPHYSICAL  
DATA PROCESSING CONSULTANTS  
(CALGARY)

CLIENT NORTHCAR ENERGY LTD

PROSPECT TRINOR LAKE

WAVE EQUATION  
MIGRATION

LINE OSL-5 DIRECTION NE.

FIELD PARAMETERS

SHOT BY SEFEL GEOPHYSICAL  
DATE SHOT MARCH 1989  
SOURCE DYNAMITE  
SOURCE PATTERN SINGLE HBLE  
CHARGE SIZE 2 KG AT 12 M  
GEOPHONE TYPE GESSPACE  
GEOPHONE FREQ 10 HZ  
GEOPHONE PATTERN 9 AT 3 M INTERVALS  
INSTRUMENTS NOS-10 96 TRACES  
FORMAT SEG 8  
RECORDING FILTER 9/18 - 125/72 HZ  
RECORD LENGTH 3 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 COP TRACE GATHERS 1200 PERCENT
- 3 AUTOMATIC GAIN CURVE APPLICATION
- 4 INSTRUMENT PHASE COMPENSATION
- 5 GEOPHONE PHASE COMPENSATION
- 6 SPIKING DECONVOLUTION  
WINDOW (MINIMUM OFFSET) 300-1300 MS  
(TAPERING WITH OFFSET)  
OPERATOR 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 NRB AND EDITS
- 10 AUTOMATIC RESIDUAL STATISTICS  
WINDOW  
TCR CORRELATION LAG 350-1300 MS
- 11 CORRECTION OFFSET STACK  
WINDOW
- 12 RESIDUAL NRB
- 13 AUTOMATIC RESIDUAL STATISTICS  
WINDOW  
TCR CORRELATION LAG 350-950 MS
- 14 MUTE
- 15 STACK 1200 PERCENT
- 16 WAVE EQUATION MIGRATION
- 17 BANDPASS FILTER  
WINDOW
- 18 EQUALIZATION
- 19 FILM DISPLAY  
POLARITY  
300-1700 MS  
NORMAL  
18 TRACE/IN.  
7.5 INCHES/SEC

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

