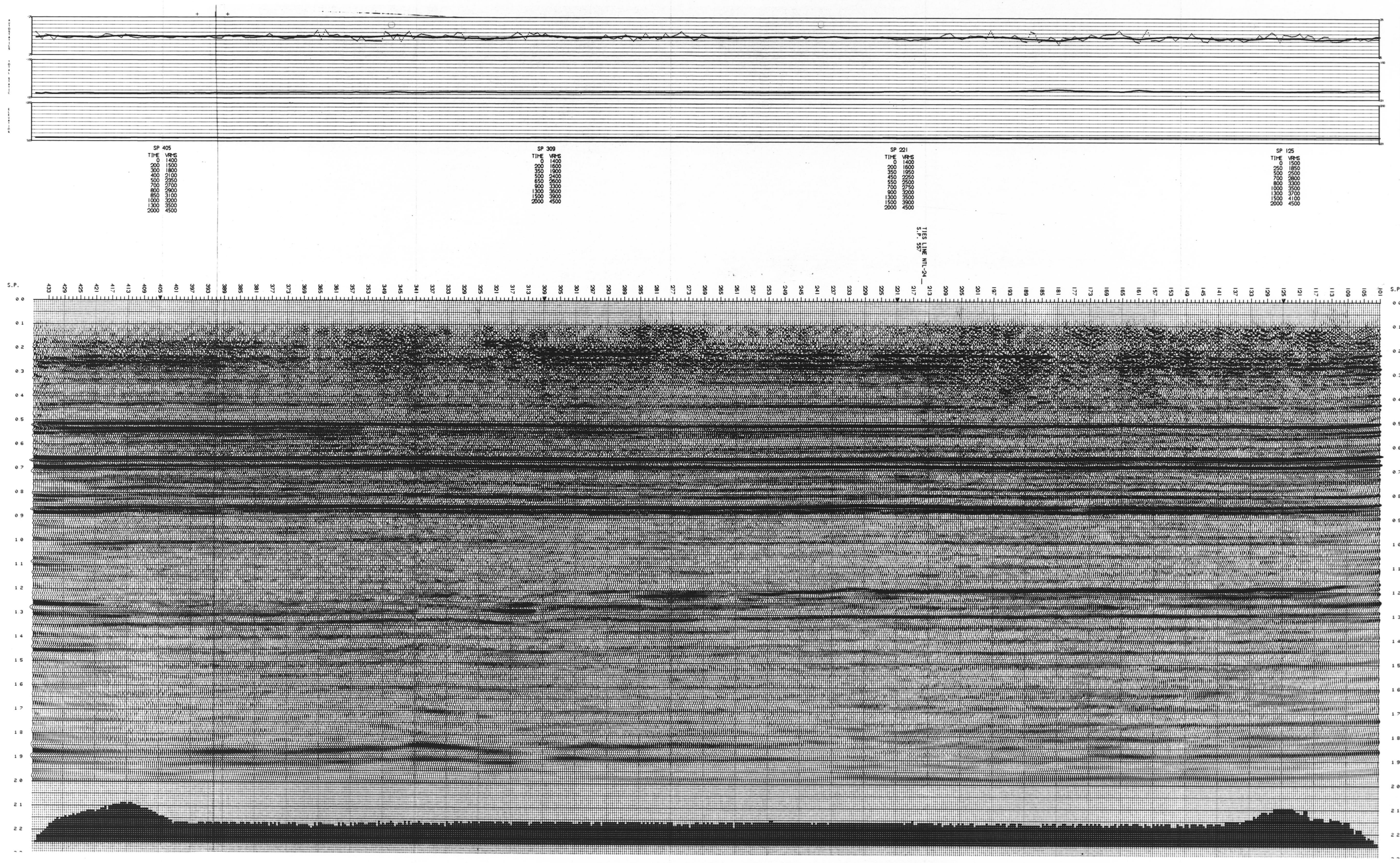




9229-N10-8E

LINE NTL-17
S.P. 101-437
N.E.

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD
TRAINOR LAKE

SEFEL
SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
FEB-APRIL, 1984
O.C. TCS

FIELD RECORDING

DATE SHOT
JAN-MARCH, 1984

SHOT BY
SEFEL GEOPHYSICAL LTD.

SOURCE TYPE
PARTY NO. 501

SOURCE PATTERN
DYNAMITE

CHARGE SIZE
SINGLE HOLE

GEOPHONE TYPE
2 KG AT 12 M

GEOPHONE PATTERN
MARK-10 HZ

INSTRUMENTS
9 AT 3 M INTERVALS

FORMAT
MDS-10 96 TRACES

RECORDING FILTER
SEG8

RECORD LENGTH
12/18 - 125/72 HZ

SAMPLE INTERVAL
3 SEC

GROUP INTERVAL
2 MS

SHOT POINT INTERVAL
25 M

SPREAD GEOMETRY
100 M

1200-25-X-25-1200

DIGITAL PROCESSING

1 DEMULTIPLY WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS

2 INSTRUMENT PHASE COMPENSATION

3 GEOPHONE PHASE COMPENSATION 1200 PERCENT

4 COP TRACE GATHERS

5 AUTOMATIC GAIN CURVE APPLICATION

6 SPIKING DECONVOLUTION

OPERATOR DESIGN WINDOW

MIN OFFSET 300-1300 MS

MAX OFFSET 800-1800 MS

OPERATOR LENGTH 60 MS

PREWHITENING 1 PERCENT

7 WEATHERING STATICS

DATUM ELEVATION 700 M ASL

DATUM VELOCITY 2750 M/SEC

WEATHERING VELOCITY 610 M/SEC

8 VELOCITY ANALYSIS

9 NMO

10 AUTOMATIC RESIDUAL STATICS

MAX CORRELATION LAG 4-30 MS

WINDOW 400-1100 MS

11 COMMON OFFSET STACK

12 RESIDUAL NMO

13 MUTE

14 STACK 1200 PERCENT

15 WAVE EQUATION MIGRATION

BANDPASS FILTER 8/16 - 100/120 HZ

17 EQUALIZATION

400-1400 MS

WINDOW 16 TRACES/IN

18 FILM DISPLAY 7.5 INCHES/SEC

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS