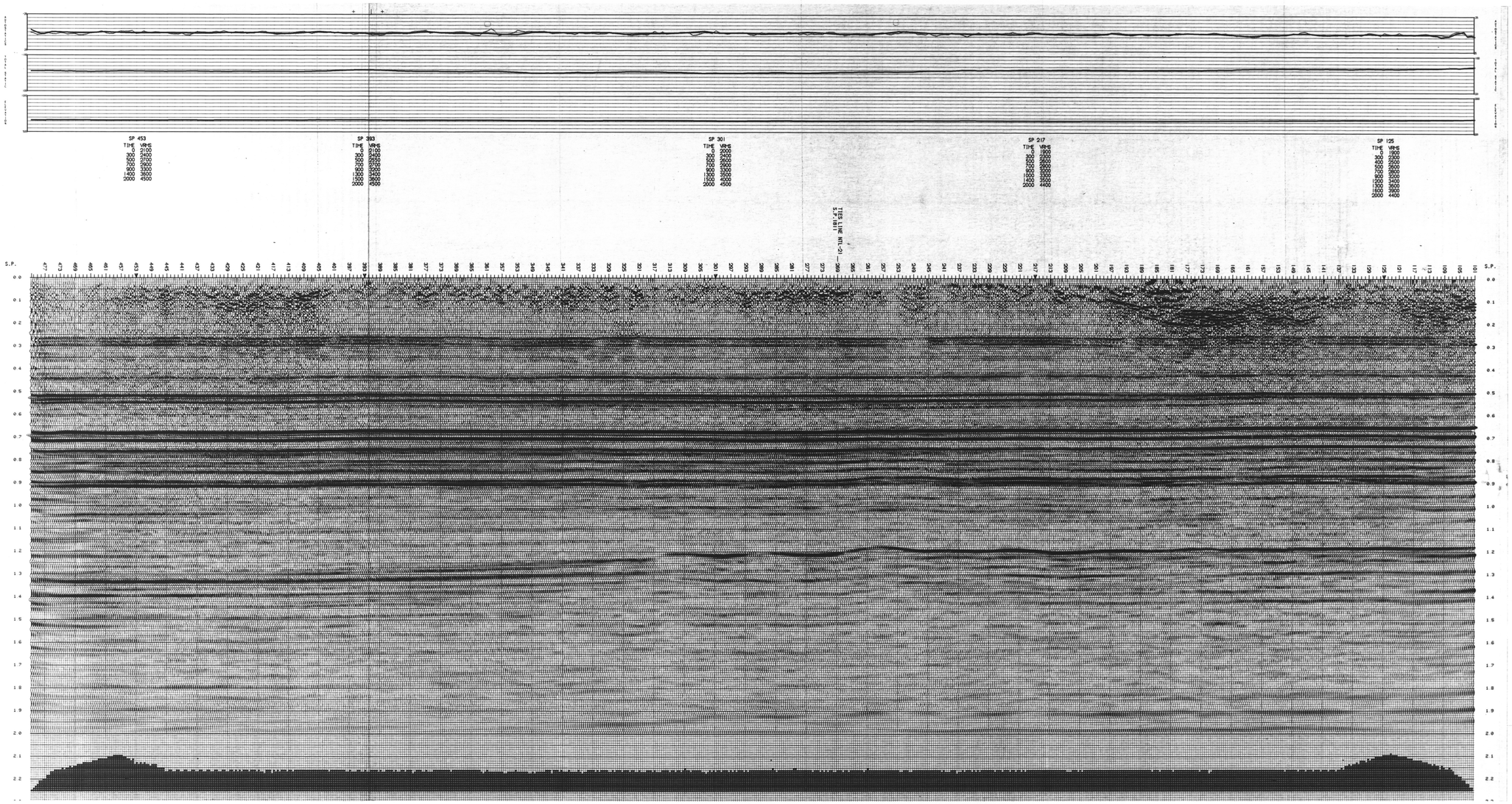


9229-N10-8E

LINE NTL-12
S.P. 101-481
N.E.

MIGRATED STRUCTURAL STACK

**NORTHCOR ENERGY LTD**

**TRAINOR LAKE**

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
FEB-APRIL, 1984

Q.C. TCS

## FIELD RECORDING

| | |
|---|---|
| DATE SHOT | JAN-MARCH, 1984 |
| SHOT BY | SEFEL GEOPHYSICAL LTD. PARTY NO. 501 |
| SOURCE TYPE | DYNAMITE |
| SOURCE PATTERN | SINGLE HOLE |
| CHARGE SIZE | 2 KG AT 12 M |
| GEOPHONE TYPE | MARK-10 HZ |
| GEOPHONE PATTERN | 9 AT 3 M INTERVALS |
| INSTRUMENTS | MDS-10 96 TRACES |
| FORMAT | SEGB |
| RECORDING FILTER | 12/18 - 125/72 HZ |
| RECORD LENGTH | 3 SEC |
| SAMPLE INTERVAL | 2 MS |
| GROUP INTERVAL | 25 M |
| SHOT POINT INTERVAL | 100 M |
| SPREAD GEOMETRY | 1200-25-X-25-1200 |

## DIGITAL PROCESSING

| | |
|---|---|
| 1 DEMULTIPLEX WITH GAIN REMOVAL | |
| PROCESSING SAMPLE RATE | 2 MS |
| 2 INSTRUMENT PHASE COMPENSATION | |
| 3 GEOPHONE PHASE COMPENSATION | |
| 4 CDP TRACE GATHERS | 1200 PERCENT |
| 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 | +-30 MS |
| WINDOW | 400-1100 MS |
| 11 COMMON OFFSET STACK | |
| 12 RESIDUAL NMO | |
| 13 MUTE | |
| 14 STACK | 1200 PERCENT |
| 15 WAVE EQUATION MIGRATION | |
| 16 BANDPASS FILTER | 8/16 - 100/120 HZ |
| 17 EQUALIZATION | |
| WINDOW | 400-1400 MS |
| 18 FILM DISPLAY | 16 TRACES/IN 7.5 INCHES/SEC |

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

terra
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P4
Tel: (613) 731-8571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-N10-8E

LINE NO. NTL-12

PART NO. 1 OF 1

R.R. 10