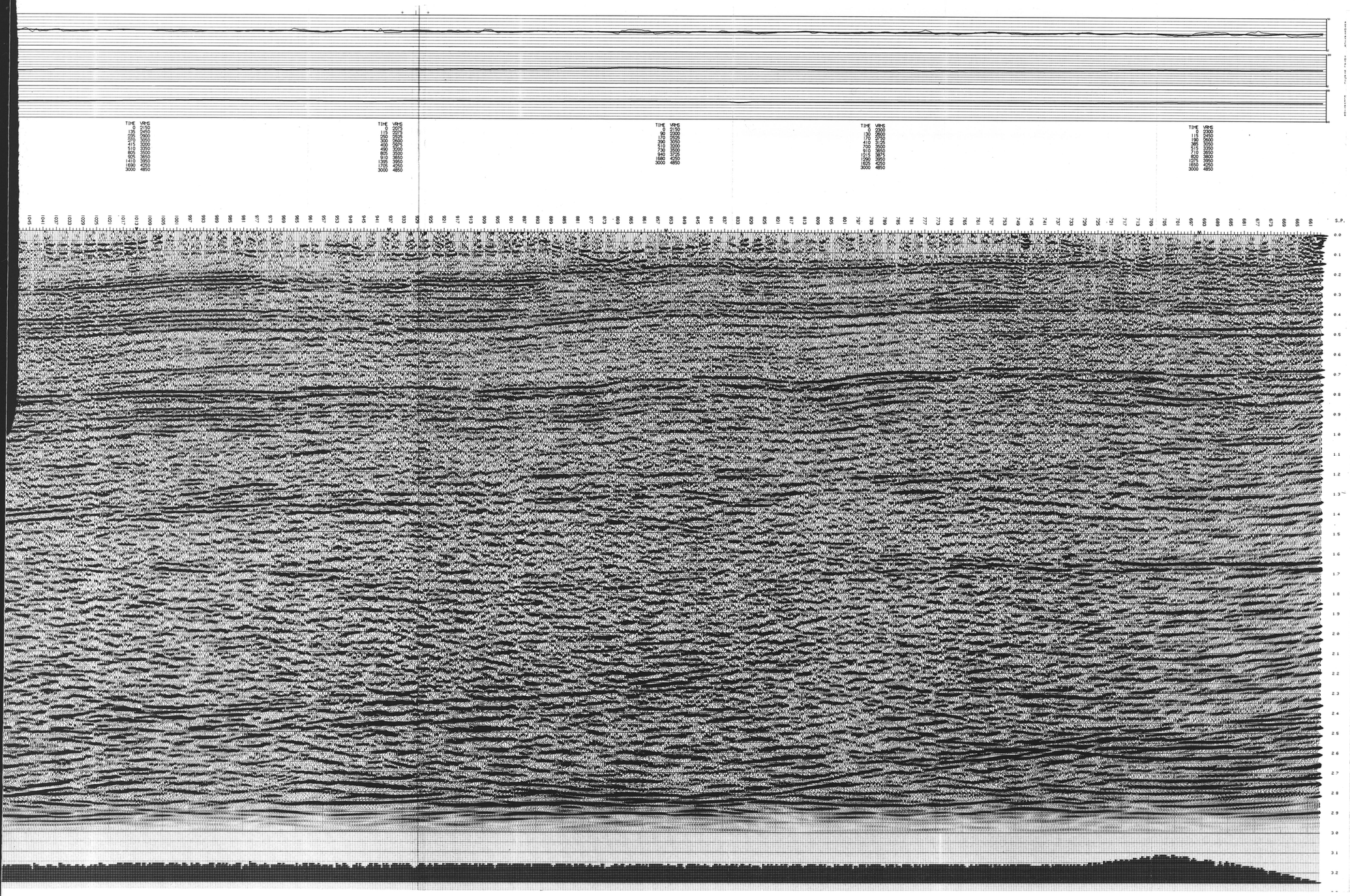



# LINE NCB-41

S.P. 657-1221

EAST

9229-N10-10E

MIGRATED STACK

## NORTHCOR ENERGY LTD

## CELIBETA LAKE

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
JUNE, 1984

Q.C. DEBRA BARRON

## FIELD RECORDING

| | |
|---|---|
| DATE SHOT | MARCH, 1984 |
| SHOT BY | SEFEL GEOPHYSICAL LTD. PARTY NO. 506 |
| SOURCE TYPE | DYNAMITE |
| SOURCE PATTERN | SINGLE HOLE |
| CHARGE | 2 KG AT 11 M |
| GEOPHONE TYPE | GEOSPACE 10 HZ |
| GEOPHONE PATTERN | 9 AT 3 M INTERVALS |
| DATA CHANNELS | 96 |
| GROUP INTERVAL | 25 M |
| SHOT POINT INTERVAL | 100 M |
| SPREAD GEOMETRY | 1200-25-X-25-1200 |
| INSTRUMENT TYPE | MDS-10 |
| TAPE FORMAT | SEG B |
| FIELD FILTER | 12/18-125/72 HZ/DB |
| NOTCH | OUT |
| SAMPLE INTERVAL | 2 MS |
| RECORD LENGTH | 3 SEC |

## DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS
2 GEOMETRY
3 AUTOMATIC GAIN CURVE APPLICATION
4 INSTRUMENT PHASE COMPENSATION
5 GEOPHONE PHASE COMPENSATION
6 SPIKING DECONVOLUTION
OPERATOR LENGTH 60 MS
OPERATOR DESIGN WINDOW
MIN OFFSET 200-1650 MS
MAX OFFSET 850-2300 MS
PREWHITENING 1 PERCENT
7 EQUALIZATION
8 WEATHERING CORRECTIONS
DATUM ELEVATION 500 M ASL
DATUM VELOCITY 3700 M/SEC
WEATHERING VELOCITY 610 M/SEC
9 AUTOMATIC RESIDUAL STATICS
WINDOW 500-1700 MS
MAX CORRELATION LAG +- 40 MS
10 VELOCITY ANALYSIS
11 NORMAL MOVEOUT
12 AUTOMATIC RESIDUAL STATICS
WINDOW 300-2000 MS
MAX CORRELATION LAG +- 20 MS
13 COMMON OFFSET STACK
14 RESIDUAL NMO
15 MUTE
16 STACK
17 BANDPASS FILTER 10/20-60/70 HZ
18 EQUALIZATION
WINDOW 400-2000 MS
19 TIME DOMAIN WAVE EQUATION MIGRATION
20 FILM DISPLAY 16 TR/IN
7.5 IN/SEC
POLARITY (X) NORMAL ( ) REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

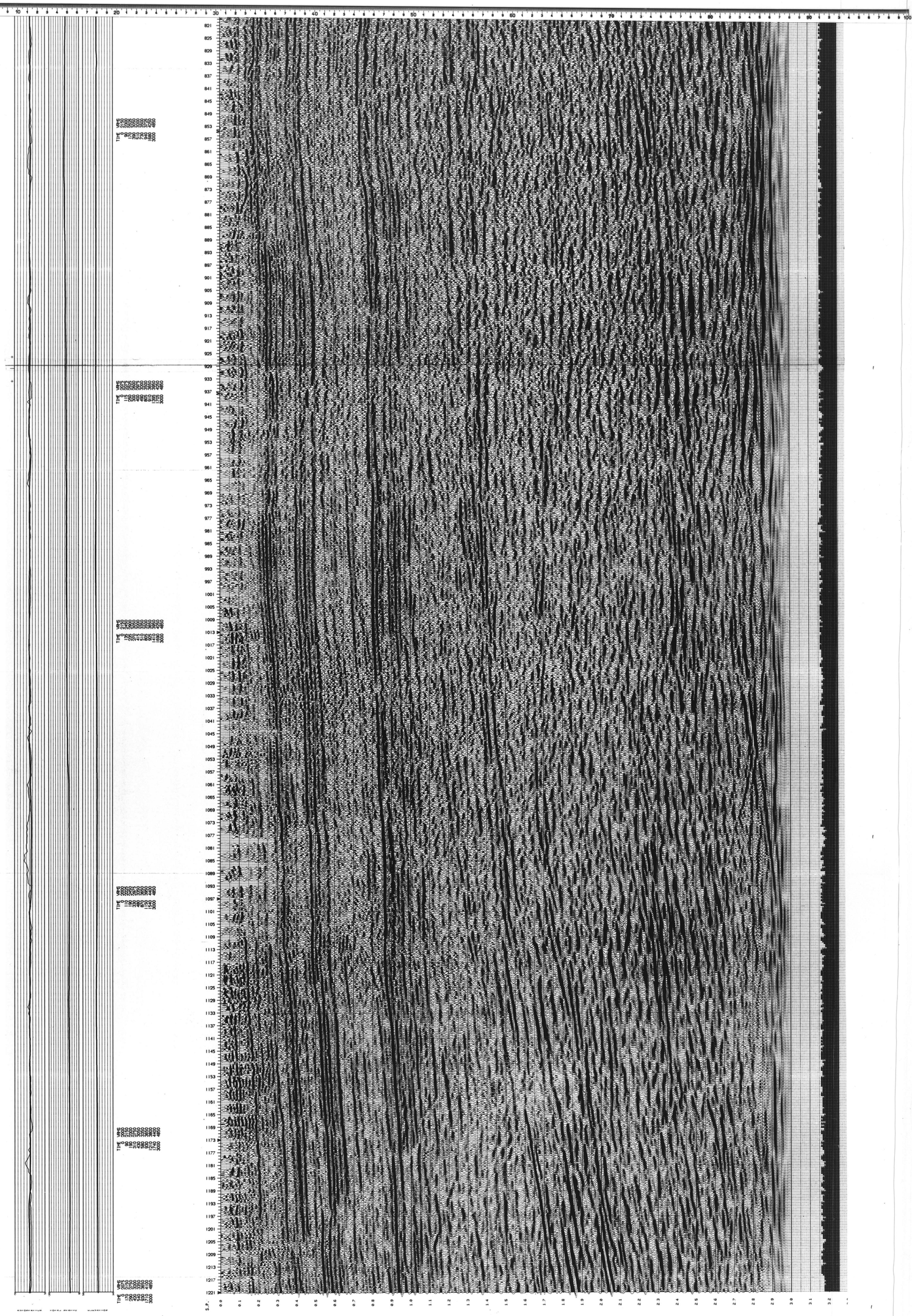
GEOTRACE
2000 Mackay Rd. NW
Calgary, Alberta T2N 4T8
Tel (403) 731-9571
Telex: 053-3502 Cable: TERRA
Digitized by

PROJ. NO. 9229-N10-10E

LINE NO. NCB-41

PART NO. 1 OF 2

R.R. 10X

terra Surveys Inc.
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-N10-10E LINE NO. NCB-41 PART NO. 2 OF 2 R.R. 10X