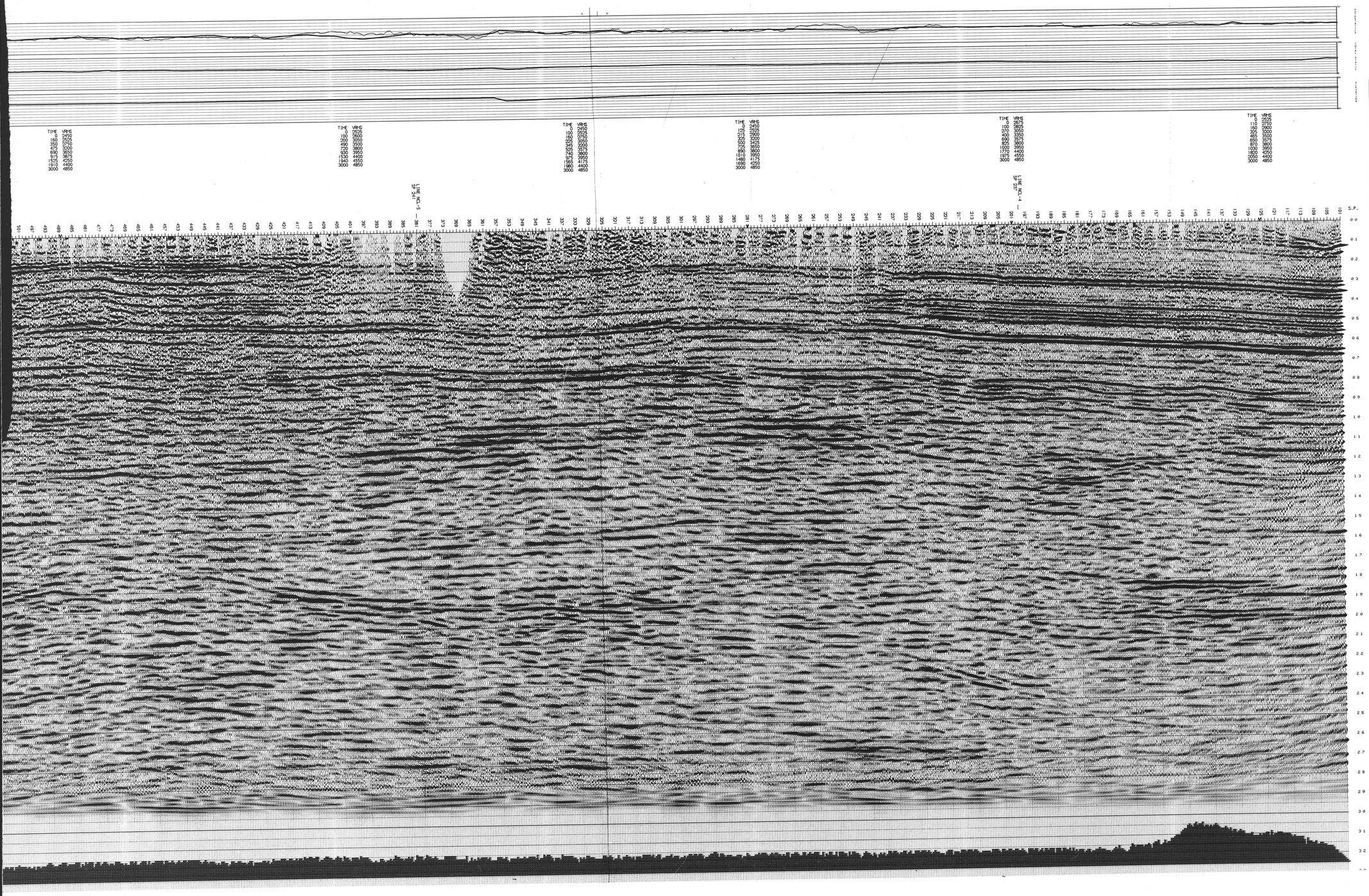


LINE NCL-1

S.P. 101-649

EAST

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

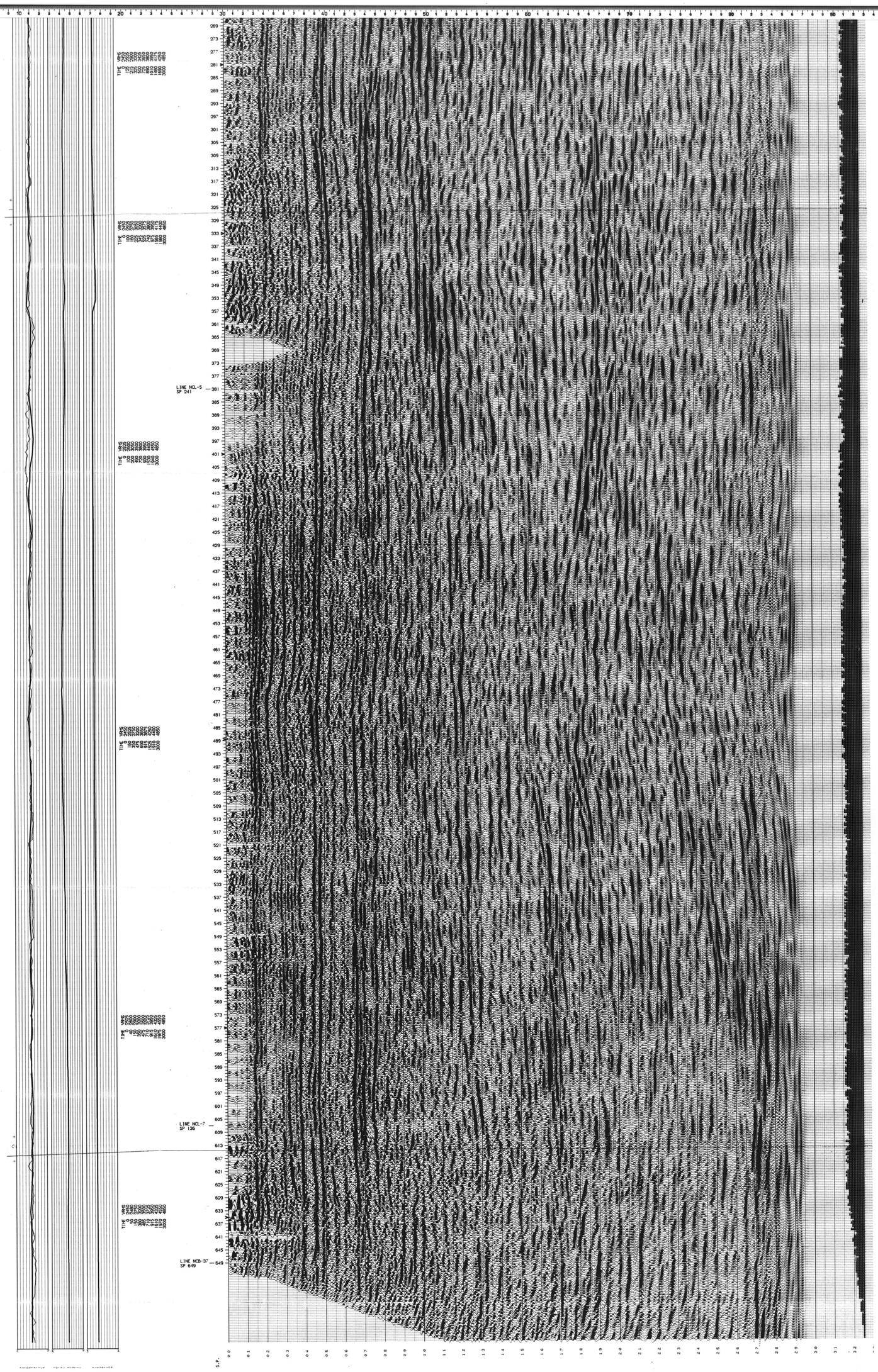
Terra Geophysical Inc.
2300 Yonge St. Suite 1600
Toronto, Ontario, Canada M4P 1E4
Tel: (416) 481-2000
Telex: 065-24135

PROJ. NO. 9229-N10-10E

LINE NO. NCL-1

PART NO. 1 OF 2

R.R. 10X

Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9 2 2 9 - N 1 0 - 1 0 E LINE NO. N C L - 1 PART NO. 2 OF 2 R.R. 10X