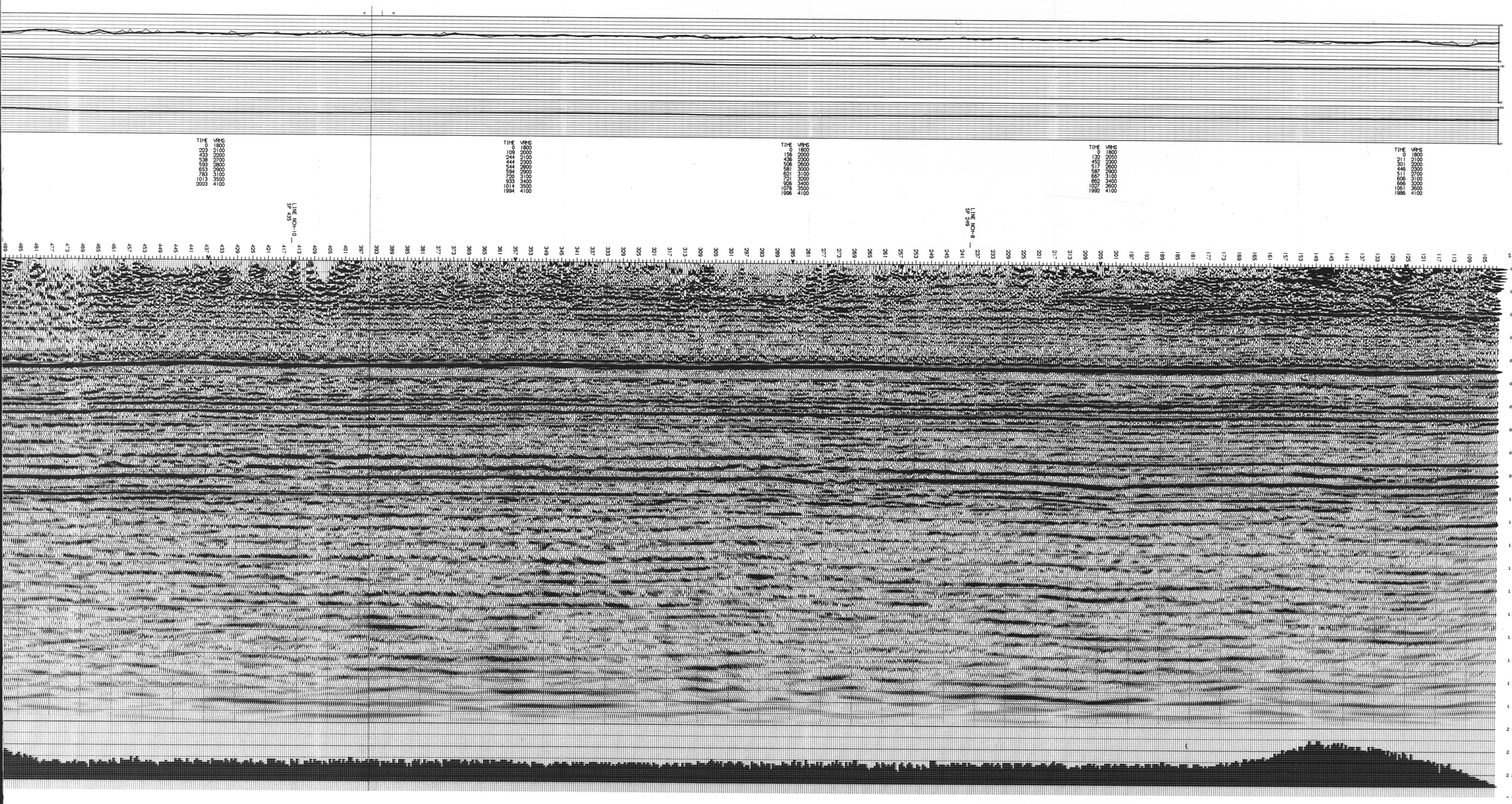


LINE NCH-24

S.P. 101-545

NORTH

MIGRATED STACK

NORTHCOR ENERGY LTD

CAMERON HILLS

SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA

DATE PROCESSED
MAY, 1984

Q.C. DEBRA BARRON

FIELD RECORDING

DATE SHOT	FEBRUARY, 1984
SHOT BY	SEFEL GEOPHYSICAL LTD. PARTY NO. 521
SOURCE TYPE	DYNAMITE
SOURCE PATTERN	SINGLE HOLE
CHARGE	2 KG AT 12 M
GEOPHONE TYPE	MARK L-15 10 HZ
GEOPHONE PATTERN	9 AT 3.0 M INTERVALS
DATA CHANNELS	96
GROUP INTERVAL	25 M
SHOT POINT INTERVAL	100 M
SPREAD GEOMETRY	1200-25-X-25-1200 M
INSTRUMENT TYPE	SERCEL 338B
TAPE FORMAT	SEGB
FIELD FILTER	8/12 - 125/24 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 LOW CUT FILTER	8/16 HZ
7 SPIKING DECONVOLUTION	
OPERATOR LENGTH	60 MS
OPERATOR DESIGN WINDOW	
MIN OFFSET	100-1500 MS
MAX OFFSET	750-2150 MS
PREWHITENING	1 PERCENT
8 WEATHERING CORRECTIONS	
DATUM ELEVATION	750 M ASL
DATUM VELOCITY	2600 M/SEC
WEATHERING VELOCITY	810 M/SEC
9 EQUALIZATION	
10 AUTOMATIC RESIDUAL STATICS	
WINDOW	350-1000 MS
MAX CORRELATION LAG	+-40 MS
11 VELOCITY ANALYSIS	
12 NORMAL MOVEOUT	
13 AUTOMATIC RESIDUAL STATICS	
WINDOW	400-1100 MS
MAX CORRELATION LAG	+-20 MS
14 COMMON OFFSET STACK	
15 RESIDUAL NMO	
16 MUTE	
17 STACK	1200 PERCENT
18 BANDPASS FILTER	8/16-75/95 HZ
19 EQUALIZATION	
WINDOW	300-1500 MS
20 TIME DOMAIN WAVE EQUATION MIGRATION	
21 FILM DISPLAY	16 TR/IN 7.5 IN/SEC

POLARITY (X) POSITIVE ( ) NEGATIVE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

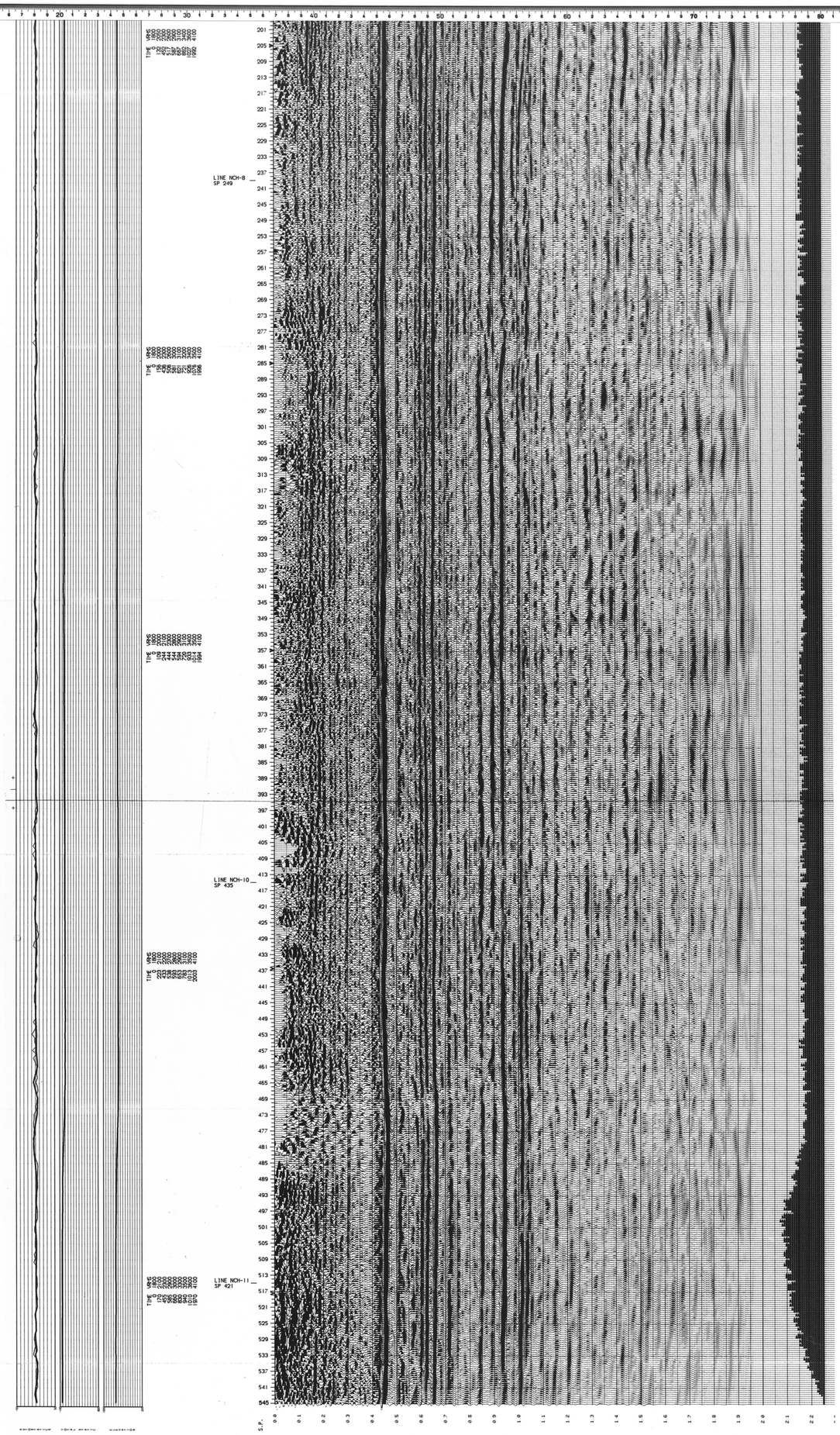
terra
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P4
Tel: (613) 731 9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-N10-7E

LINE NO. NCH-24

PART NO. 1 OF 2

R.R. 10X

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

PROJ. NO. 9229-N10-7E LINE NO. NCH-24 PART NO. 2 OF 2 R.R. 10X