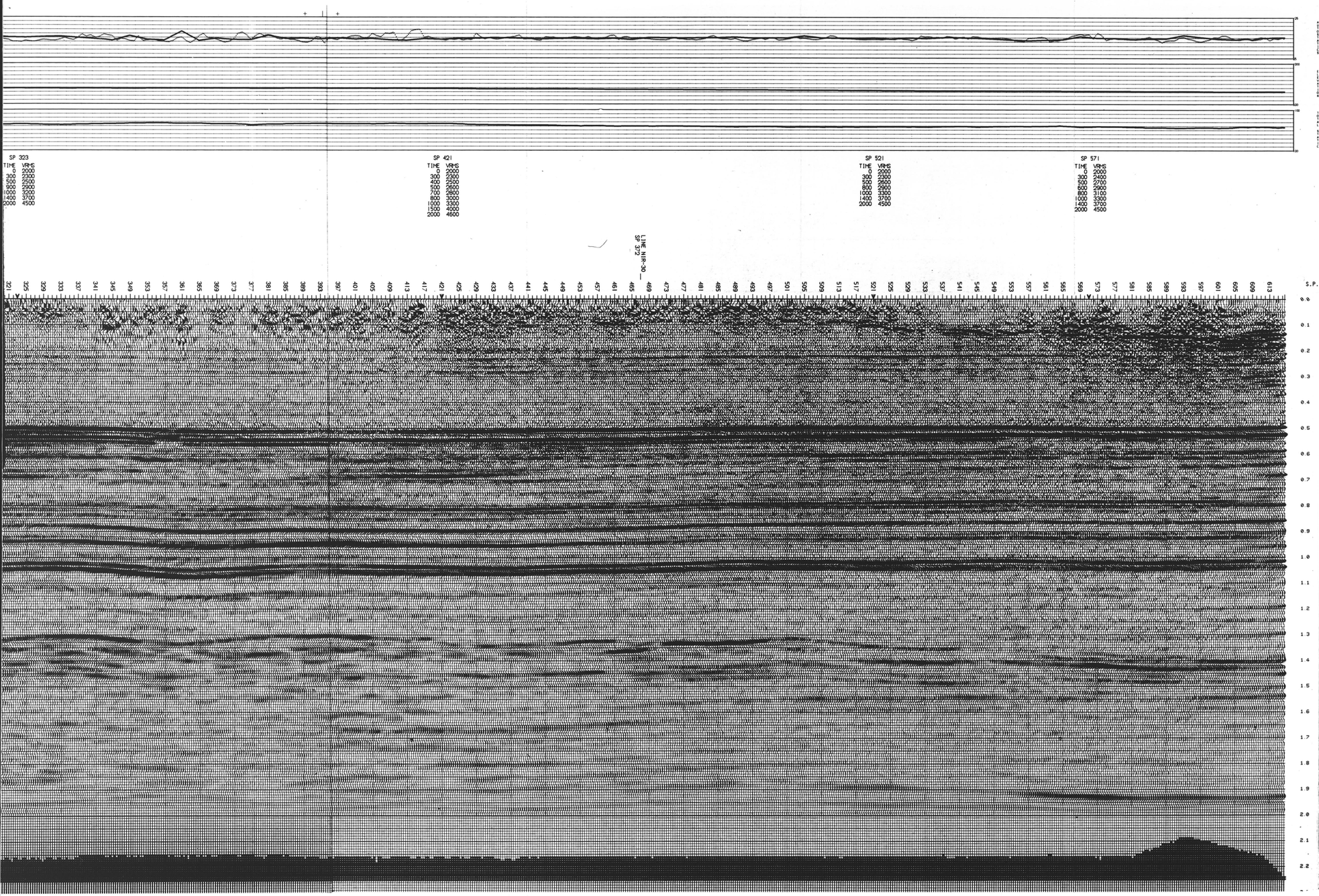


LINE NIR-22
S.P. 101-617
S.E.

9229-N10-9E

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD

ISLAND RIVER

SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA

DATE PROCESSED JAN.-FEB., 1984
Q.C. TCS

FIELD RECORDING

DATE SHOT	JAN-FEB.,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

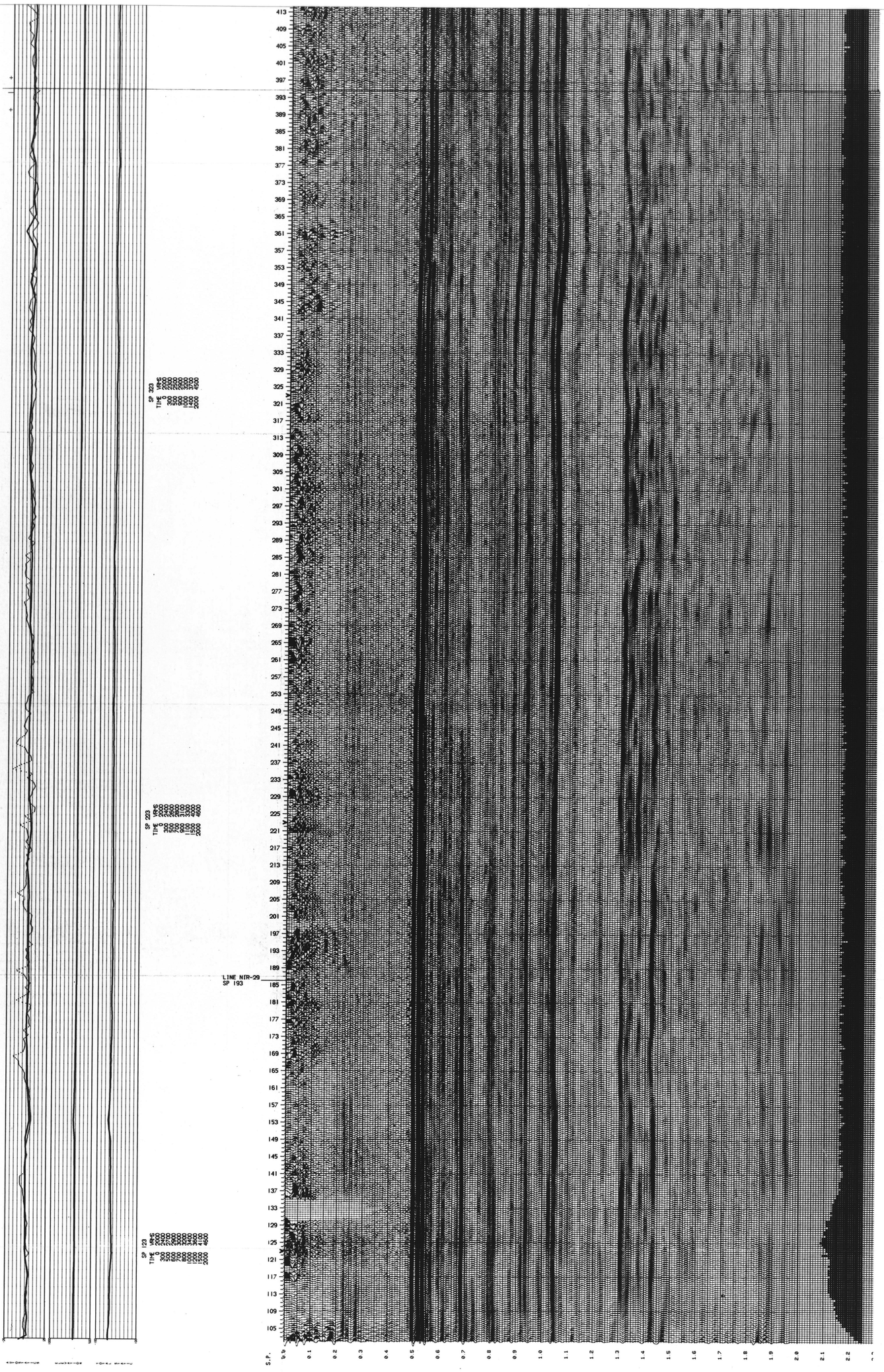
terra
2080 Walkley Rd. Ottawa, Ont.
K1G 3P5
Tel (613) 731-9571
Telex 053-3502 Cable: TERRA

PROJ. NO. 9229-N10-9E

LINE NO. NIR-22

PART NO. 1 OF 2

R.R. 8X

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

PROJ. NO. 9229-N10-9E LINE NO. NIR-22 PART NO. 2 OF 2 R.R. 8X