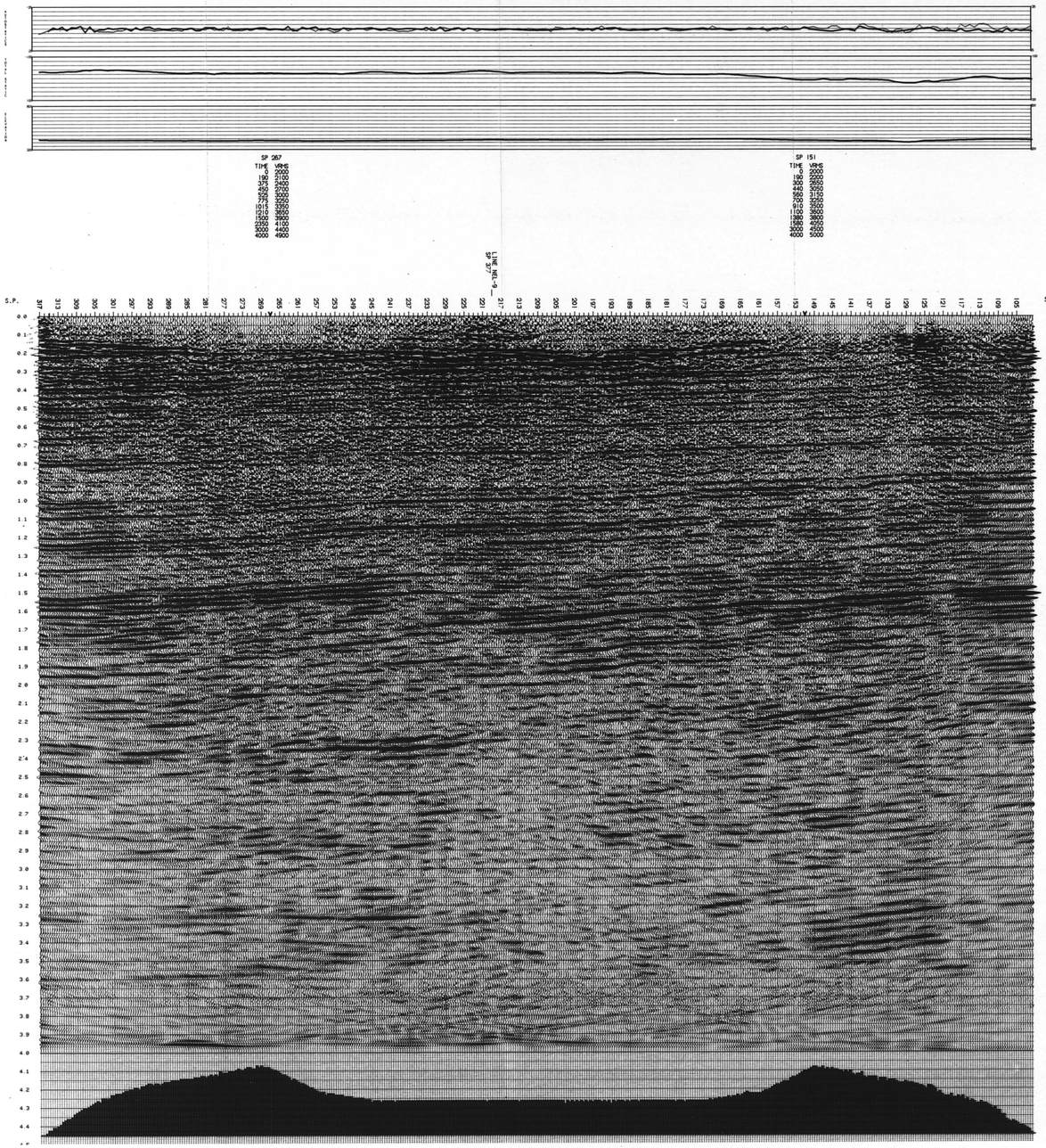

LINE NEL-6

S.P. 101-317

N.E.

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD

EAST LIARD

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
MAY 1984

Q.C. RN

FIELD RECORDING

DATE SHOT	FEBRUARY 1984
SHOT BY	SEFEL GEOPHYSICAL LTD. PARTY NO.506
SOURCE TYPE	DYNAMITE
SOURCE PATTERN	SINGLE HOLE
CHARGE SIZE	2-4 KG AT 17 M
GEOPHONE TYPE	GEOSPACE-10 HZ
GEOPHONE PATTERN	18 AT 3 M INTERVALS
INSTRUMENTS	MDS-10 96 TRACES
FORMAT	SEGB
RECORDING FILTER	12/18 - 125/72 HZ
RECORD LENGTH	6 SEC
SAMPLE INTERVAL	2 MS
GROUP INTERVAL	40 M
SHOT POINT INTERVAL	80 M
SPREAD GEOMETRY	1920-40-X-40-1920 M

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL	
PROCESSING SAMPLE RATE	2 MS
2 INSTRUMENT PHASE COMPENSATION	
3 GEOPHONE PHASE COMPENSATION	
4 CDP TRACE GATHERS	2400 PERCENT
5 AUTOMATIC GAIN CURVE APPLICATION	
6 SPIKING DECONVOLUTION	
OPERATOR DESIGN WINDOW	
MIN OFFSET	250-1750 MS
MAX OFFSET	1100-2600 MS
OPERATOR LENGTH	60 MS
PREWHITENING	1 PERCENT
7 WEATHERING & STATICS	
DATUM ELEVATION	500 M ASL
DATUM VELOCITY	3700 M/SEC
WEATHERING VELOCITY	610 M/SEC
8 VELOCITY ANALYSIS	
9 NMO	
10 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-30 MS
WINDOW	300-1300 MS
11 COMMON OFFSET STACK	
12 RESIDUAL NMO	
13 MUTE	
14 STACK	2400 PERCENT
15 WAVE EQUATION MIGRATION	
16 BANDPASS FILTER	10/20 - 60/70 HZ
17 EQUALIZATION	
WINDOW	400-2500 MS
18 FILM DISPLAY	16 TRACES/IN
	5 INCHES/SEC

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

Canada K1G 3P5
Tel: (613) 731-0541
Telex: 053-3602 Cable: TERRA

PROJ. NO. 9229-N10-10E

LINE NO. NEL-6

PART NO. 1 OF 1

R.R. 10X