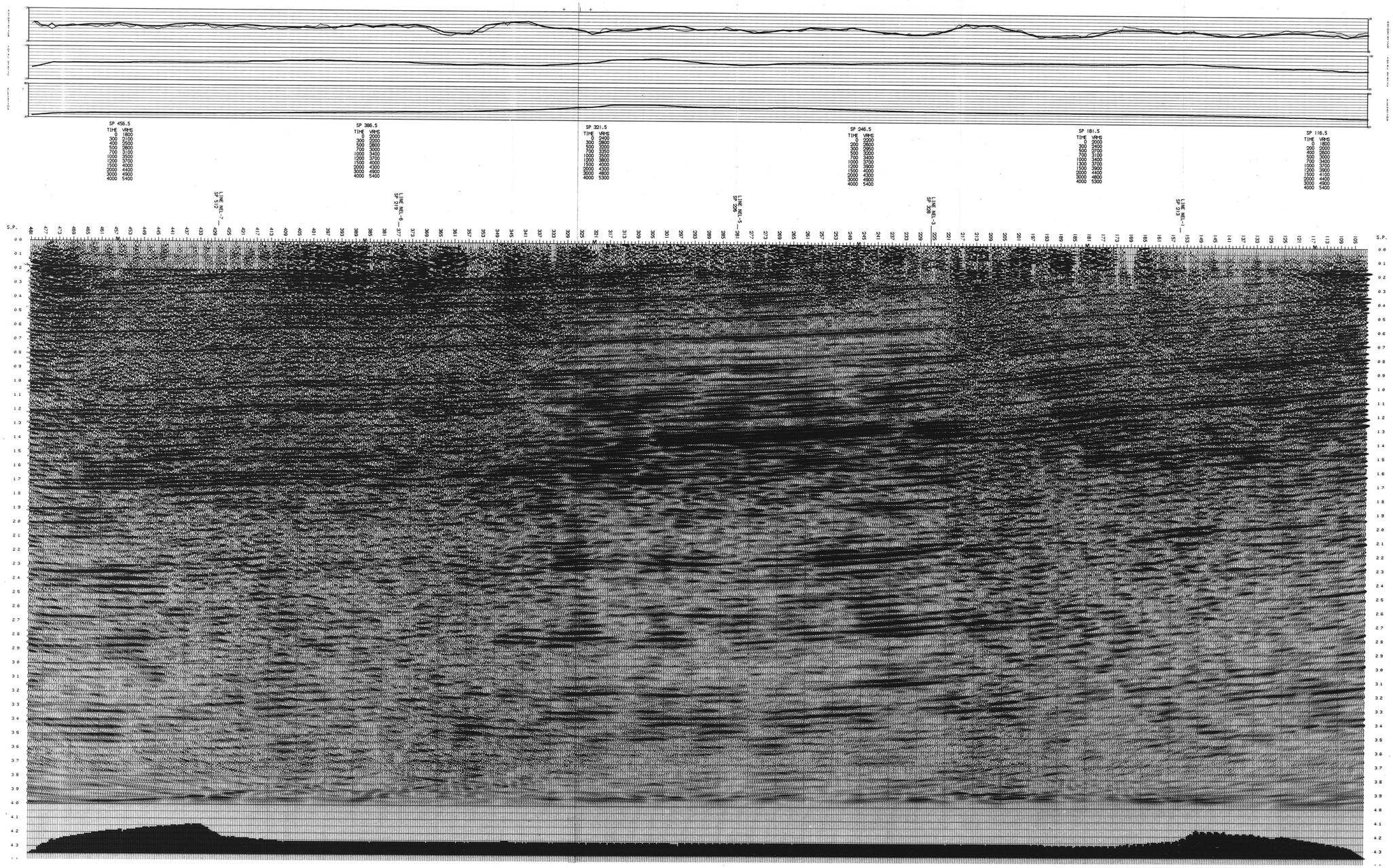

LINE NEL-9

S.P. 102-481

NORTH

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 KG AT 13 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	160 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	1200 PERCENT
5 AUTOMATIC GAIN CURVE APPLICATION	
6 SPIKING DECONVOLUTION	
OPERATOR DESIGN WINDOW	
MIN OFFSET	250-1750 MS
MAX OFFSET	1200-2700 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 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-30 MS
WINDOW	500-1700 MS
9 VELOCITY ANALYSIS	
10 NMO	
11 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-24
WINDOW	500-1800 MS
12 COMMON OFFSET STACK	
13 RESIDUAL NMO	
14 MUTE	
15 STACK	1200 PERCENT
16 WAVE EQUATION MIGRATION	
17 BANDPASS FILTER	10/20 - 60/70 HZ
18 EQUALIZATION	
WINDOW	400-2500 MS
19 FILM DISPLAY	16 TRACES/IN
	5 INCHES/SEC

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY EMPRESS EXPLORATION CONSULTANTS

Calgary KIG 3P5
Tel: (403) 731-5071
Telex: 053-3502 Cable: TERRA
PROJ. NO. 9229-N10-10E
LINE NO. NEL-9
PART NO. 1 OF 1
R.R. 10X