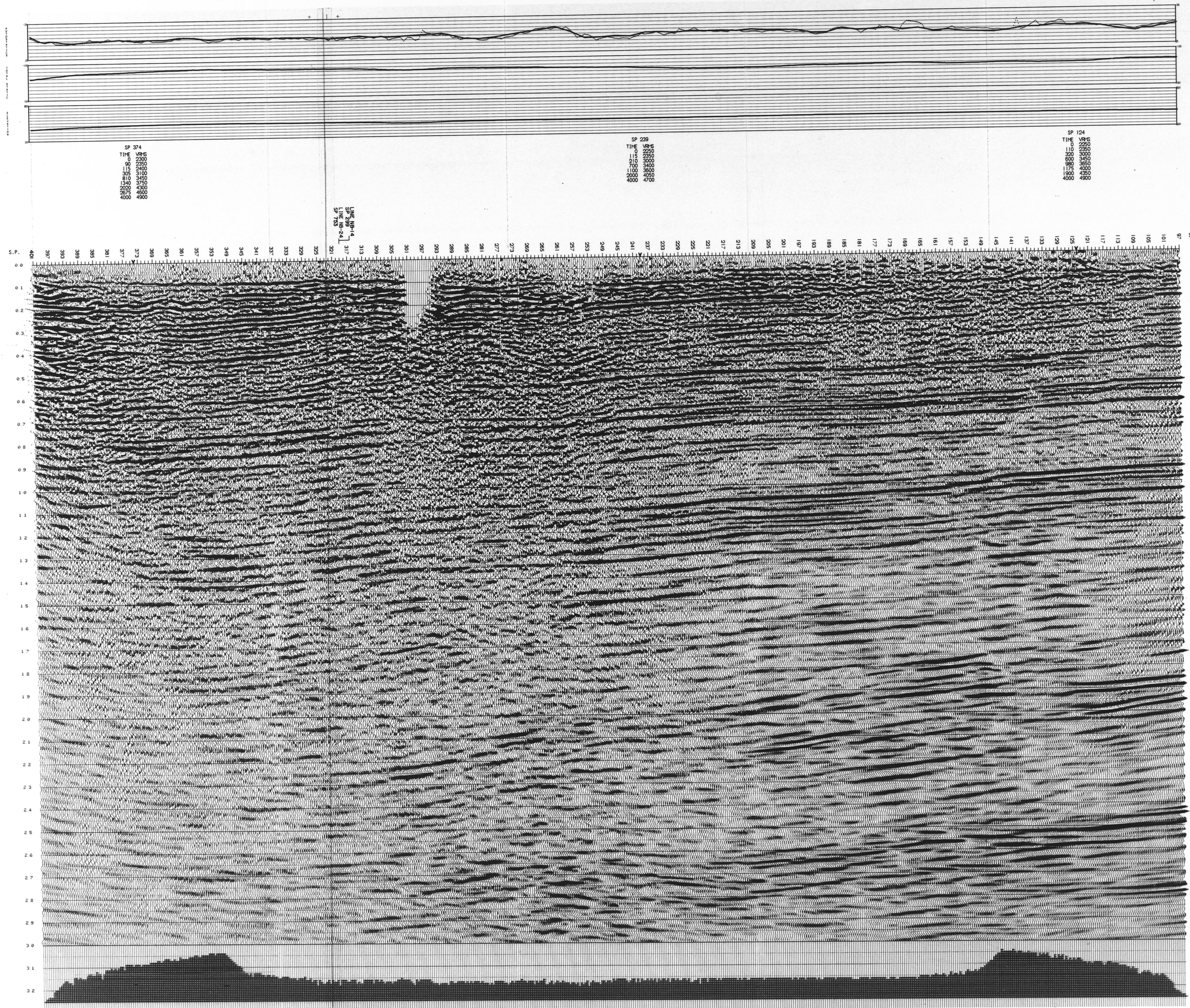




LINE NB-21
S.P. 97-401
N.E.

MIGRATED STRUCTURAL STACK
NORTHCOR ENERGY LTD
BOVIE LAKE

	SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA	DATE PROCESSED JUNE 1984 Q.C. RN
	FIELD RECORDING	
DATE SHOT: FEBRUARY 1984		
SHOT BY: SEFEL GEOPHYSICAL LTD.		
SOURCE TYPE: DYNAMITE		
SOURCE PATTERN: SINGLE HOLE		
CHARGE SIZE: 2 KG AT 13 M		
GEOPHONE TYPE: GEOSPAC-10 HZ		
GEOPHONE PATTERN: 9 AT 3 M INTERVALS		
INSTRUMENTS: NOS-10 98 TRACE		
FORMAT: SEGB		
RECORDING FILTER: 12/18 - 125/72 HZ		
RECORD LENGTH: 4 SEC		
SAMPLE INTERVAL: 2 MS		
GROUP INTERVAL: 25 M		
SHOT POINT INTERVAL: 100 M		
SPREAD GEOMETRY: 1200-25-X-25-1200 M		
DIGITAL PROCESSING		
1 DEMULTIPLEX WITH GAIN REMOVAL 2 MS		
2 PROCESSING SAMPLE RATE		
3 INSTRUMENT PHASE COMPENSATION		
4 GEOPHONE PHASE COMPENSATION		
5 CDP TRACE GATHERS		
6 AUTOMATIC GAIN CURVE APPLICATION 1200 PERCENT		
7 SPKING DECONVOLUTION		
OPERATOR DESIGN WINDOW		
MIN OFFSET 150-1650 MS		
MAX OFFSET 800-2300 MS		
OPERATOR LENGTH 60 MS		
PREWHITENING 1 PERCENT		
7 WEATHERING STATICS		
DATUM ELEVATION 500 M ASL		
DATUM VELOCITY 3700 M/SEC		
HEATHERING VELOCITY 610 M/SEC		
8 AUTOMATIC RESIDUAL STATICS		
MAX CORRELATION LAG 1-30 MS		
WINDOW 300-1700 MS		
9 VELOCITY ANALYSIS		
10 NMO		
11 AUTOMATIC RESIDUAL STATICS		
MAX CORRELATION LAG 1-20 MS		
WINDOW 200-1200 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		
7.5 INCHES/SEC		
POLARITY (X) NORMAL () REVERSE		
PROCESSING PARAMETERS SELECTED BY EMPRESS EXPLORATION CONSULTANTS		