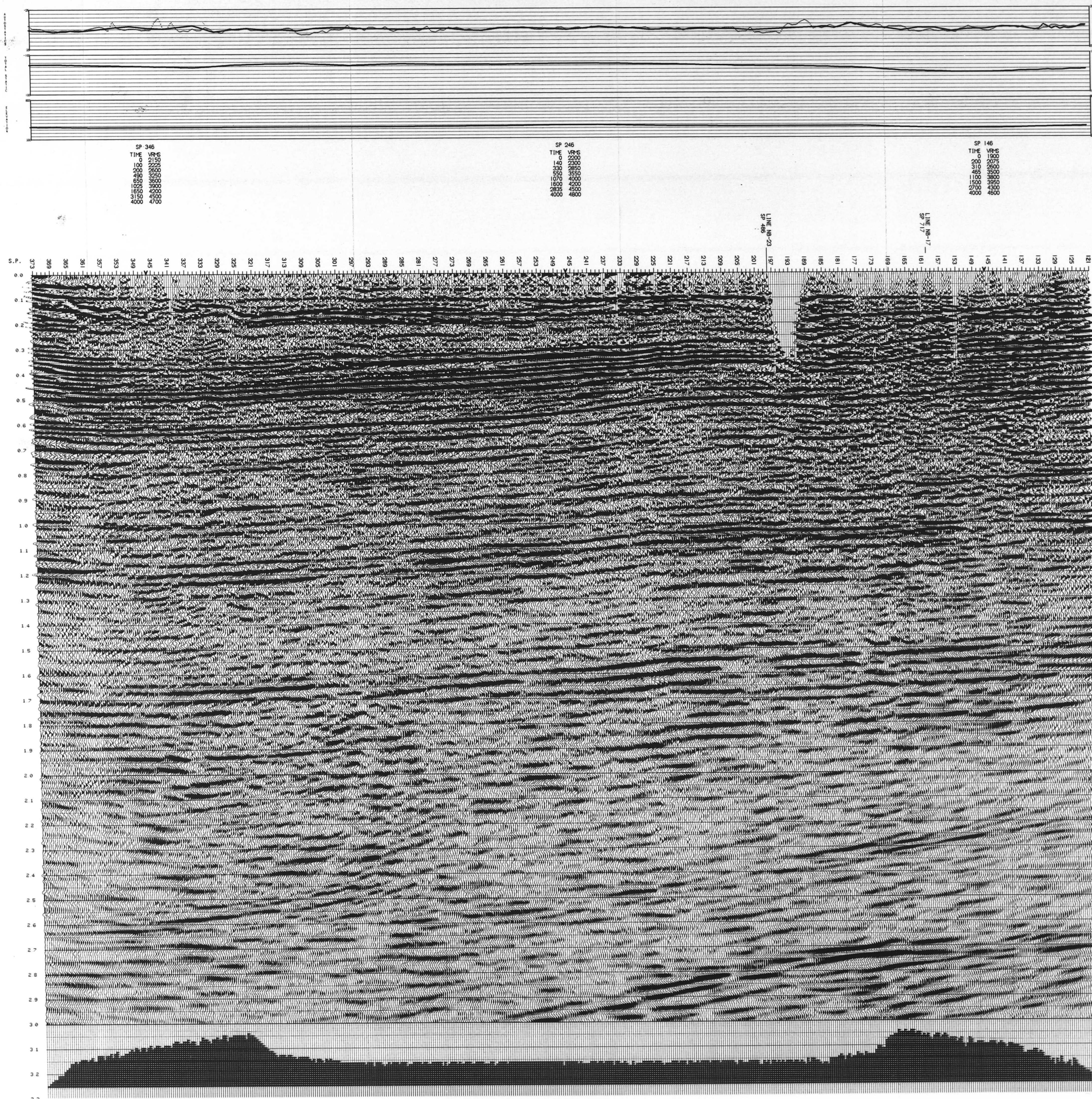




LINE NB-10
S.P. 373-121

EAST

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 MARCH 1984
SHOT BY SEFEL GEOPHYSICAL LTD.
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 11 M
GEOPHONE TYPE GEOSPACE-10 HZ
GEOPHONE PATTERN 9 AT 3 M INTERVALS
INSTRUMENTS MOS-10 96 TRACE
FORMAT SEG 0
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
PROCESSING SAMPLE RATE 2 MS
2 INSTRUMENT PHASE COMPENSATION
3 GEOPHONE PHASE COMPENSATION
4 CIP TRACE GATHERS 1200 PERCENT
5 AUTOMATIC GAIN CURVE APPLICATION
6 SPIKING DECONVOLUTION
OPERATOR DESIGN WINDOW 150-1550 MS
MIN OFFSET 800-2300 MS
MAX OFFSET 60 MS
OPERATOR LENGTH 1 PERCENT
7 WEATHERING STATICS
DATUM ELEVATION 500 M ASL
DATUM VELOCITY 3700 M/SEC
8 AUTOMATIC RESIDUAL STATICS
WEATHERING VELOCITY 610 M/SEC
MAX CORRELATION LAG 4-30 MS
9 VELOCITY ANALYSIS
10 NMO
11 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG 200-1300 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 400-2500 MS
19 FILM DISPLAY 16 TRACES/IN
7.5 INCHES/SEC

POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS