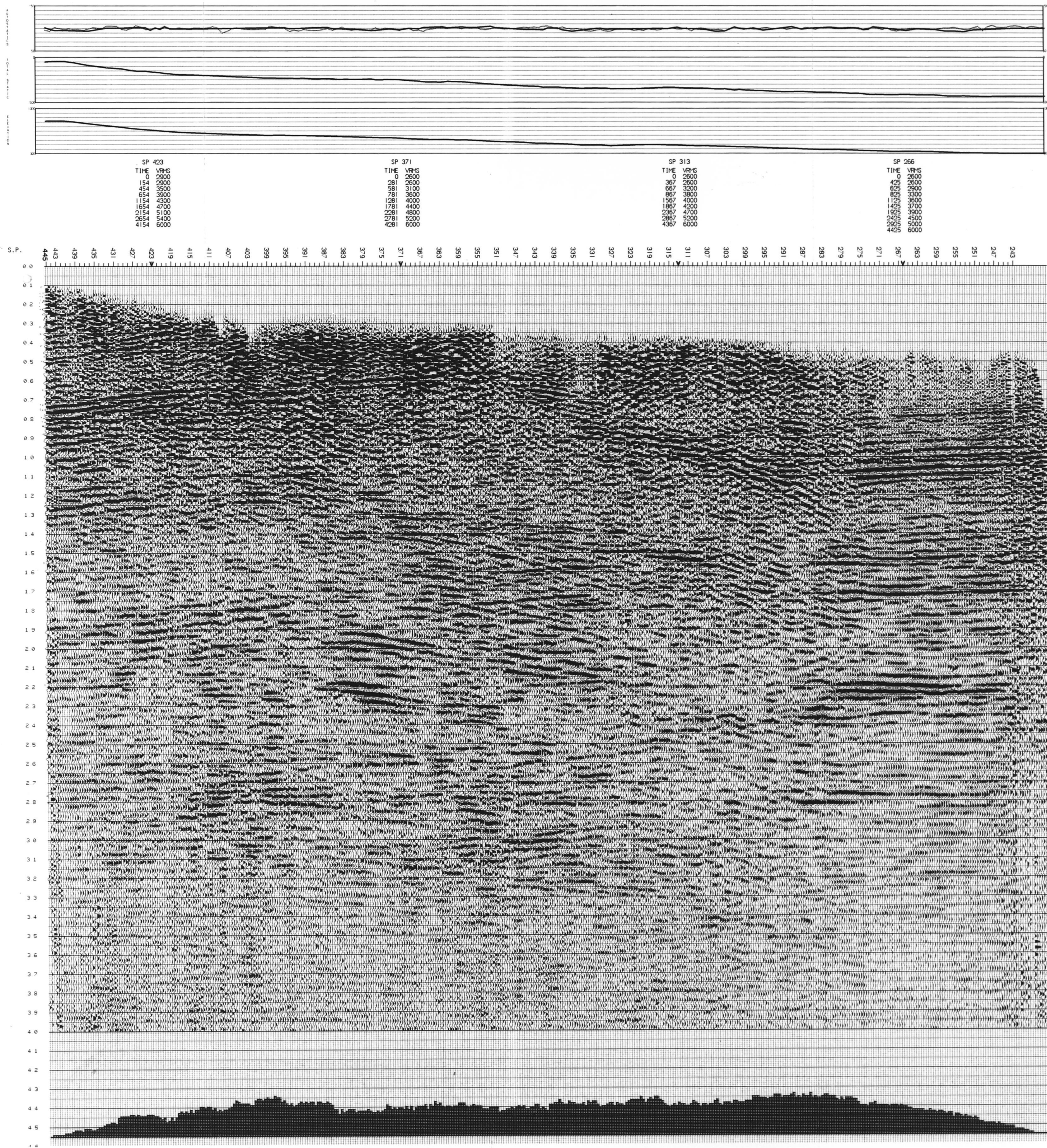




LINE 83-001
S.P. 243-445
EAST

STRUCTURAL STACK
NORTHCOR ENERGY LTD.
SAWMILL

SEFEL

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
JULY, 1984
G.C. TCS

FIELD RECORDING

DATE SHOT
OCTOBER, 1983

SHOT BY
SEFEL GEOPHYSICAL LTD
PARTY NO. 521

SOURCE TYPE
DYNAMITE

SOURCE PATTERN
SINGLE HOLE

CHARGE SIZE
40 KG AT 10 M

GEOPHONE TYPE
MARK-L15 10 HZ

GEOPHONE PATTERN
18 AT 3M INT.

INSTRUMENTS
338 HR SERCEL

FORMAT
SEGB

DATA CHANNELS
96

RECORDING FILTER
8/12-125/24 HZ

RECORD LENGTH
6 SEC

SAMPLE INTERVAL
2 MS.

GROUP INTERVAL
25 M.

SHOT POINT INTERVAL
50 M.

SPREAD GEOMETRY
1200-25-X-25-1200

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE
2 MS

2 CDP TRACE GATHERS
2400 PERCENT

3 INSTRUMENT PHASE COMPENSATION

4 GEOPHONE PHASE COMPENSATION

5 AUTOMATIC GAIN CURVE APPLICATION

6 SPIKING DECONVOLUTION
OPERATOR DESIGN WINDOW
MIN OFFSET
350-1350 MS.

MAX OFFSET
700-1700 MS.

OPERATOR LENGTH
60 MS.

PREWHITENING
1 PERCENT

7 WEATHERING STATICS
DATUM ELEVATION
VARIABLE DATUM

DATUM VELOCITY
3700 M/SEC.

WEATHERING VELOCITY
610 M/SEC.

8 VELOCITY ANALYSIS

9 NMO

10 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG
--40 MS.

HINDWIN
500-2500 MS.

11 COMMON OFFSET STACK

12 RESIDUAL NMO

13 MUTE

14 STACK
2400 PERCENT

15 TIME VARIANT FILTER
0-1000 MS
14/22-65/75 HZ

1000-4000 MS
11/19-40/56 HZ

16 EQUALIZATION
HINDWIN
500-2500 MS.

17 VARIABLE TO FIXED DATUM CORRECTION
FIXED DATUM
1200 M/ASL

18 FILM DISPLAY
16 TR/IN
5 IN/SEC

POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS