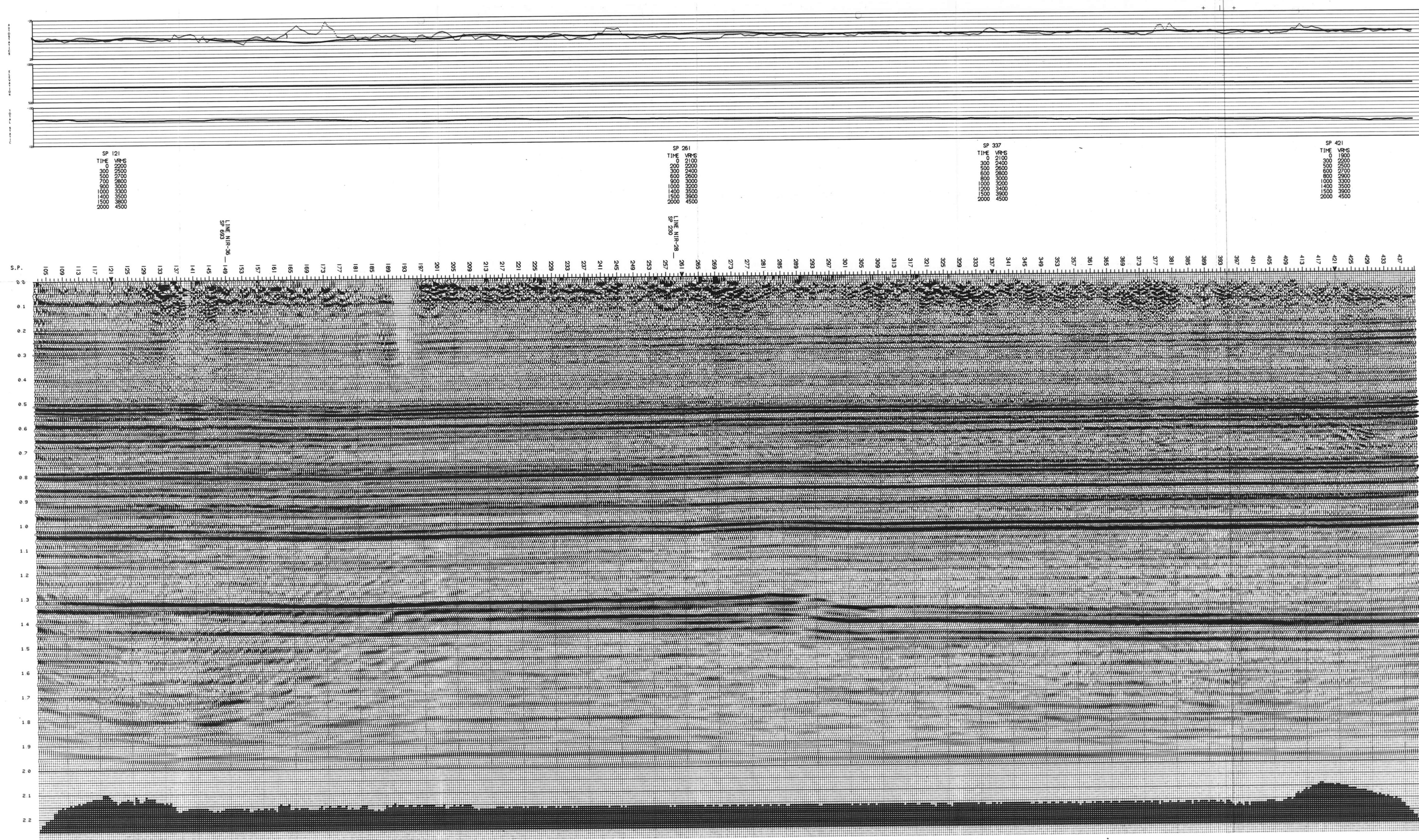




LINE NIR-16
S.P. 101-441
S.E.

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD
ISLAND RIVER



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
JAN-FEB., 1984
Q.C. TCS

FIELD RECORDING

DATE SHOT JAN-FEB 1984
SHOT BY SEFEL GEOPHYSICAL LTD.
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 12 M
GEOPHONE TYPE MARK-10 HZ
GEOPHONE PATTERN 9 AT 3 M INTERVALS
INSTRUMENTS NDS-10 96 TRACES
FORMAT SEG8
RECORDING FILTER 12/18
RECORD LENGTH 3 SEC
SAMPLE INTERVAL 2 MS
GROUP INTERVAL 25 M
SHOT POINT INTERVAL 100 M
SPREAD GEOMETRY 1200-25-X-25-1200

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS
2 INSTRUMENT PHASE COMPENSATION
3 GEOPHONE PHASE COMPENSATION 1200 PERCENT
4 CDP TRACE GATHERS
5 AUTOMATIC GAIN CURVE APPLICATION
6 SPIKING DECONVOLUTION
OPERATOR DESIGN WINDOW
MIN OFFSET 300-1300 MS
MAX OFFSET 800-1800 MS
OPERATOR LENGTH 60 MS
PREWHITENING 1 PERCENT
7 WEATHERING STATICS
DATUM ELEVATION 700 M ASL
DATUM VELOCITY 2750 M/SEC
WEATHERING VELOCITY 610 M/SEC
8 VELOCITY ANALYSIS
9 NMO
10 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG +-30 MS
WINDOW 400-1100 MS
11 COMMON OFFSET STACK
12 RESIDUAL NMO
13 MUTE
14 STACK
15 WAVE EQUATION MIGRATION 1200 PERCENT
16 BANDPASS FILTER 8/16 - 100/120 HZ
17 EQUALIZATION
400-1400 MS
WINDOW
18 FILM DISPLAY 16 TRACES/IN
7.5 INCHES/SEC

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS