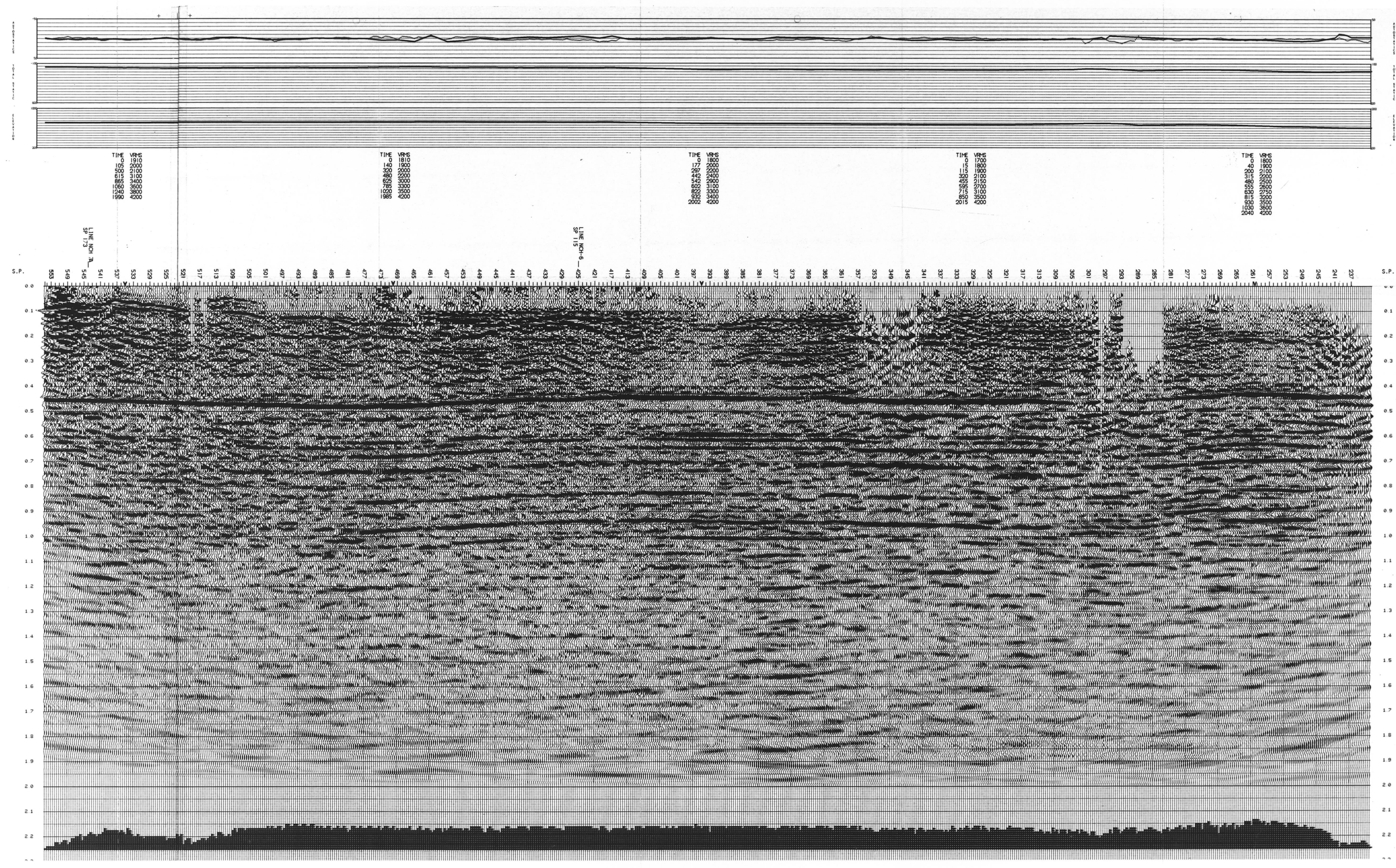




LINE NCH-25A  
S.P. 237-557

NORTH

MIGRATED STACK

NORTHCOR ENERGY LTD  
CAMERON HILLS



SEFEL GEOPHYSICAL  
SEISMIC DATA PROCESSING  
CALGARY, CANADA

DATE PROCESSED  
MAY, 1984  
O.C.  
DEBRA BARRON

FIELD RECORDING

DATE SHOT MARCH, 1984  
SHOT BY SEFEL GEOPHYSICAL LTD.  
SOURCE TYPE DYNAMITE  
SOURCE PATTERN SINGLE HOLE  
CHARGE 2 KG AT 12 M  
GEOPHONE TYPE MARK 1-15 10 HZ  
GEOPHONE PATTERN 9 AT 5.0 M INTERVALS  
DATA CHANNELS 96  
GROUP INTERVAL 25 M  
SHOT POINT INTERVAL 100 M  
SPREAD GEOMETRY 1200-25-X-25-1200 M  
INSTRUMENT TYPE SERCEL 338B  
TAPE FORMAT SEG8  
FIELD FILTER 8/12 - 125/24 HZ/OB  
NOTCH OUT  
SAMPLE INTERVAL 2 MS  
RECORD LENGTH 3 SEC

DIGITAL PROCESSING

1 DEMULTIPLY WITH GAIN REMOVAL  
PROCESSING SAMPLE RATE 2 MS  
2 GEOMETRY  
3 AUTOMATIC GAIN CURVE APPLICATION  
4 INSTRUMENT PHASE COMPENSATION  
5 GEOPHONE PHASE COMPENSATION  
6 LOW CUT FILTER  
7 SPIKING DECONVOLUTION 8/16 HZ  
OPERATOR LENGTH 60 MS  
OPERATOR DESIGN WINDOW 100-1500 MS  
MIN OFFSET 750-2150 MS  
MAX OFFSET 1 PERCENT  
PREWHITENING  
8 WEATHERING CORRECTIONS 750 M ASL  
DATUM ELEVATION 2800 M/SEC  
DATUM VELOCITY 610 M/SEC  
9 EQUALIZATION  
10 AUTOMATIC RESIDUAL STATICS 350-1000 MS  
WINDOW MAX CORRELATION LAG +-40 MS  
11 VELOCITY ANALYSIS  
12 NORMAL MOVEOUT  
13 AUTOMATIC RESIDUAL STATICS 350-1000 MS  
WINDOW MAX CORRELATION LAG +-20 MS  
14 COMMON OFFSET STACK  
15 RESIDUAL NMO  
16 MUTE  
17 STACK 1200 PERCENT  
18 BANDPASS FILTER 8/16-75/95 HZ  
19 EQUALIZATION  
20 TIME DOMAIN WAVE EQUATION MIGRATION 300-1500 MS  
21 FILM DISPLAY 16 TR/IN  
7.5 IN/SEC  
POLARITY (X) POSITIVE ( ) NEGATIVE

PROCESSING PARAMETERS SELECTED BY  
EMPRESS EXPLORATION CONSULTANTS