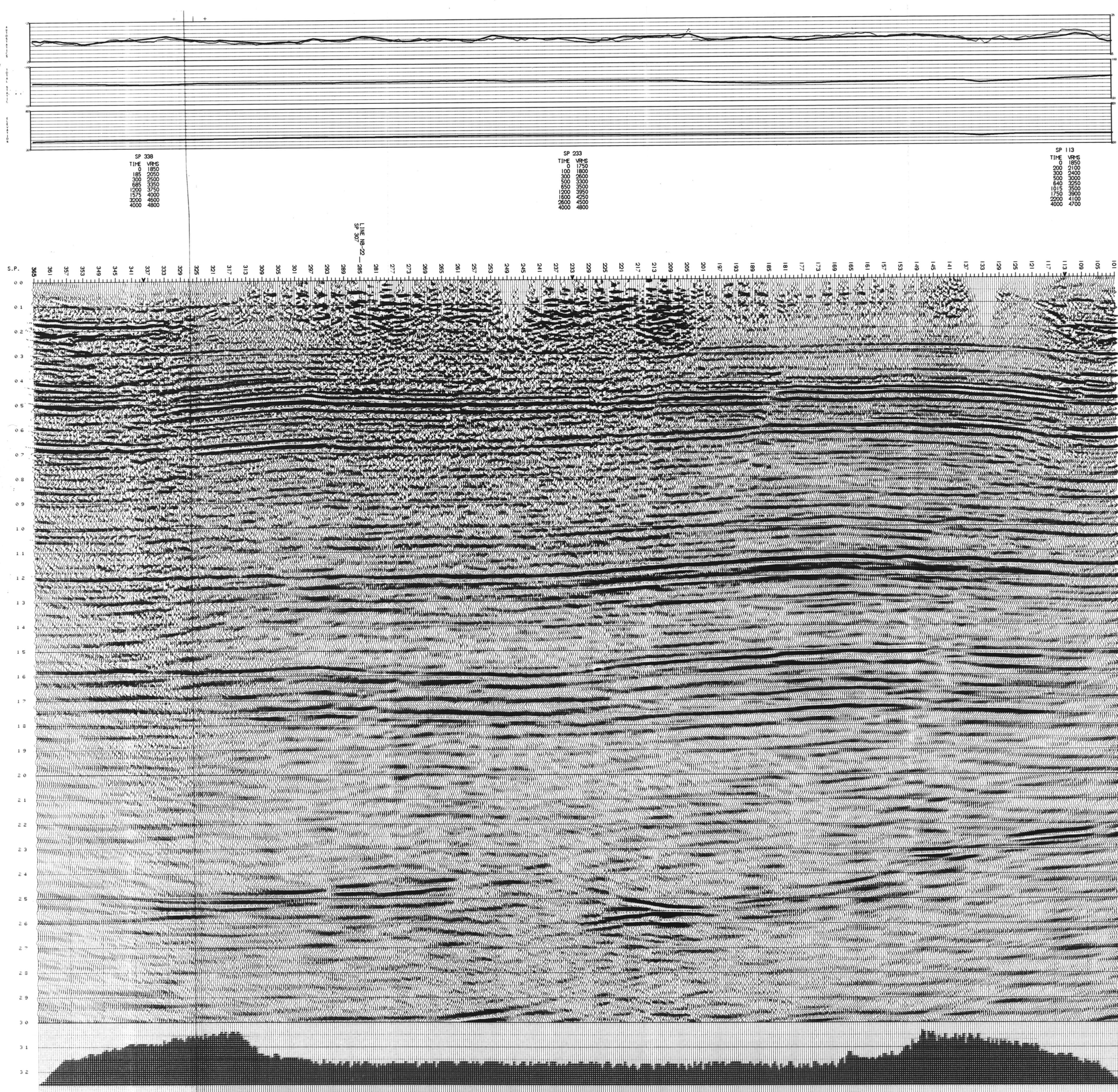




LINE NB-2  
S.P. 101-365  
EAST  
0229-N10-10E

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD  
BOVIE LAKE

|                                                                                                                                                    |                                       |                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|
|  SEFEL GEOPHYSICAL<br>SEISMIC DATA PROCESSING<br>CALGARY CANADA |                                       | DATE PROCESSED<br>JUNE 1984<br>Q.C. RN |
| <b>FIELD RECORDING</b>                                                                                                                             |                                       |                                        |
| DATE SHOT<br>MARCH 1984                                                                                                                            | SEFEL GEOPHYSICAL LTD.                |                                        |
| SHOT BY<br>PARTY NO. 506                                                                                                                           | DYNAMITE                              |                                        |
| SOURCE TYPE<br>SINGLE HOLE                                                                                                                         | SINGLE HOLE                           |                                        |
| SOURCE PATTERN<br>2 KG AT 11 M                                                                                                                     | GEOSPAC-10 HZ                         |                                        |
| CHARGE SIZE<br>9 AT 3 M INTERVALS                                                                                                                  | MDS-10 96 TRACE                       |                                        |
| GEOPHONE TYPE<br>MDS-10                                                                                                                            | FORMAL                                |                                        |
| INSTRUMENTS<br>SEGO                                                                                                                                | RECORDING FILTER<br>12/18 - 125/72 HZ |                                        |
| RECORD LENGTH<br>4 SEC                                                                                                                             | SAMPLE INTERVAL<br>2 MS               |                                        |
| GROUP INTERVAL<br>25 M                                                                                                                             | SHOT POINT INTERVAL<br>100 M          |                                        |
| SPREAD GEOMETRY<br>1200-25-X-25-1200 M                                                                                                             |                                       |                                        |
| <b>DIGITAL PROCESSING</b>                                                                                                                          |                                       |                                        |
| 1 DEMULTIPLEX WITH GAIN REMOVAL                                                                                                                    |                                       |                                        |
| PROCESSING SAMPLE RATE 2 MS                                                                                                                        |                                       |                                        |
| 2 INSTRUMENT PHASE COMPENSATION                                                                                                                    |                                       |                                        |
| 3 GEOPHONE PHASE COMPENSATION                                                                                                                      |                                       |                                        |
| 4 CDP TRACE GATHERS 1200 PERCENT                                                                                                                   |                                       |                                        |
| 5 AUTOMATIC GAIN CURVE APPLICATION                                                                                                                 |                                       |                                        |
| 6 SPIKING 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                                                                                                                          |                                       |                                        |
| WEATHERING VELOCITY 610 M/SEC                                                                                                                      |                                       |                                        |
| 8 AUTOMATIC RESIDUAL STATICS                                                                                                                       |                                       |                                        |
| MAX CORRELATION LAG +-30 MS                                                                                                                        |                                       |                                        |
| WINDOW 300-1700 MS                                                                                                                                 |                                       |                                        |
| 9 VELOCITY ANALYSIS                                                                                                                                |                                       |                                        |
| 10 N/A                                                                                                                                             |                                       |                                        |
| 11 AUTOMATIC RESIDUAL STATICS                                                                                                                      |                                       |                                        |
| MAX CORRELATION LAG +-20 MS                                                                                                                        |                                       |                                        |
| WINDOW 350-1350 MS                                                                                                                                 |                                       |                                        |
| 12 COMMON OFFSET STACK                                                                                                                             |                                       |                                        |
| 13 RESIDUAL N/A                                                                                                                                    |                                       |                                        |
| 14 MUTE                                                                                                                                            |                                       |                                        |
| 15 STACK                                                                                                                                           |                                       |                                        |
| 16 WAVE EQUATION MIGRATION 1200 PERCENT                                                                                                            |                                       |                                        |
| 17 BANDPASS FILTER 10/20 - 60/70 HZ                                                                                                                |                                       |                                        |
| 18 EQUALIZATION                                                                                                                                    |                                       |                                        |
| HISTORY 400-2500 MS                                                                                                                                |                                       |                                        |
| 19 FILM DISPLAY 16 TRACES/IN                                                                                                                       |                                       |                                        |
| 7.5 INCHES/SEC                                                                                                                                     |                                       |                                        |
| POLARITY (X) NORMAL ( ) REVERSE                                                                                                                    |                                       |                                        |
| PROCESSING PARAMETERS SELECTED BY<br>EMPRESS EXPLORATION CONSULTANTS                                                                               |                                       |                                        |