

LINE NTL-9  
S.P. 101-573  
NE

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD  
TRINOR LAKE

|                                                                      |                                                                 |                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|
| SEFEL                                                                | SEFEL GEOPHYSICAL<br>SEISMIC DATA PROCESSING<br>CALGARY, CANADA | DATE PROCESSED<br>FEB-APRIL, 1984<br>Q.C. TCS |
| FIELD RECORDING                                                      |                                                                 |                                               |
| DATE SHOT JAN-MARCH, 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 MS-10 96 TRACES                                          |                                                                 |                                               |
| FORMAL SEG                                                           |                                                                 |                                               |
| RECORDING FILTER 12/18 - 125/72 HZ                                   |                                                                 |                                               |
| 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                                        |                                                                 |                                               |
| 4 CDP TRACE GATHERS 1200 PERCENT                                     |                                                                 |                                               |
| 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                                                |                                                                 |                                               |
| PREHITTENING 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 HIVE EQUATION MIGRATION                                           |                                                                 |                                               |
| 16 BANDPASS FILTER 8/16 - 100/120 HZ                                 |                                                                 |                                               |
| 17 EQUALIZATION                                                      |                                                                 |                                               |
| 18 FILM DISPLAY 400-1400 MS                                          |                                                                 |                                               |
| 16 TRACES/IN 7.5 INCHES/SEC                                          |                                                                 |                                               |
| NORMAL POLARITY (POSITIVE VALUE PEAK)                                |                                                                 |                                               |
| PROCESSING PARAMETERS SELECTED BY<br>EMPRESS EXPLORATION CONSULTANTS |                                                                 |                                               |



