

LINE NCL-7  
S.P. 105-869  
SE

MIGRATED STACK

NORTHCOR ENERGY LTD  
CELIBETA LAKE

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FIELD RECORDING</b>                                          |                                                      |
| DATE SHOT MARCH, 1984<br>SHOT BY SEFEL GEOPHYSICAL LTD.<br>SOURCE TYPE DYNAMITE<br>SOURCE PATTERN 3 SINGLE HOLE<br>CHARGE 2 KG AT 11 M<br>GEOPHONE TYPE GEOSPACE 10 HZ<br>GEOPHONE PATTERN 9 AT 3 M INTERVALS<br>DATA CHANNELS 96<br>GROUP INTERVAL 25 M<br>SHOT POINT INTERVAL 100 M<br>SPREAD GEOMETRY 1200-25-X-25-1200<br>INSTRUMENT TYPE MDS-10<br>TAPE FORMAT SEG B<br>FIELD FILTER 12/18-125/72 HZ/OB<br>NOTCH OUT<br>SAMPLE INTERVAL 2 MS<br>RECORD LENGTH 3 SEC                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |                                                      |
| <b>DIGITAL PROCESSING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |                                                      |
| 1 DEMULTIPLEX WITH GAIN REMOVAL<br>PROCESSING SAMPLE RATE 2 MS<br>2 GEOMETRY<br>3 AUTOMATIC GAIN CURVE APPLICATION<br>4 INSTRUMENT PHASE COMPENSATION<br>5 GEOPHONE PHASE COMPENSATION<br>6 SPIKING DECONVOLUTION<br>OPERATOR LENGTH 60 MS<br>OPERATOR DESIGN WINDOW<br>MIN OFFSET 200-1650 MS<br>MAX OFFSET 850-2300 MS<br>PREHITTING 1 PERCENT<br>7 EQUALIZATION<br>8 HEATHERING CORRECTIONS<br>DATUM ELEVATION 500 M ASL<br>HEATHERING VELOCITY 3700 M/SEC<br>610 M/SEC<br>9 AUTOMATIC RESIDUAL STATICS<br>WINDOW 500-1700 MS<br>MAX CORRELATION LAG<br>10 VELOCITY ANALYSIS<br>11 NORMAL NOISEOUT<br>12 AUTOMATIC RESIDUAL STATICS<br>WINDOW 300-2000 MS<br>COMMON OFFSET STACK +- 20 MS<br>13 RESIDUAL NOD<br>14 MUTE<br>15 STACK<br>16 BANDPASS FILTER 10/20-60/70 HZ<br>17 EQUALIZATION<br>18 TIME DOMAIN WAVE EQUATION MIGRATION<br>20 FILM DISPLAY 16 16/IN<br>7.5 IN/SEC<br>POLARITY (X) NORMAL ( ) REVERSE |                                                                 |                                                      |
| PROCESSING PARAMETERS SELECTED BY<br>EMPRESS EXPLORATION CONSULTANTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 |                                                      |



