

LINE NB-8
S.P. 769-101

EAST

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD

BOVIE LAKE



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
JUNE 1984
O.C. RN

FIELD RECORDING

DATE SHOT MARCH 1984
SHOT BY SEFEL GEOPHYSICAL LTD.
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 11 M
GEOPHONE TYPE GEOSPAC-10 HZ
GEOPHONE PATTERN 9 AT 3 M INTERVALS
INSTRUMENTS MDS-10 96 TRACE
FORMAT SEG
RECORDING FILTER 12/18 - 125/72 HZ
RECORD LENGTH 4 SEC
SAMPLE INTERVAL 2 MS
GROUP INTERVAL 25 M
SHOT POINT INTERVAL 100 M
SPREAD GEOMETRY 1200-25-X-25-1200 M

DIGITAL PROCESSING

- 1 DEMULTIPLEX WITH GAIN REMOVAL
- 2 PROCESSING SAMPLE RATE 2 MS
- 3 INSTRUMENT PHASE COMPENSATION
- 4 GEOPHONE PHASE COMPENSATION
- 5 CDP TRACE GATHERS
- 6 AUTOMATIC GAIN CURVE APPLICATION 1200 PERCENT
- 7 SPKING DECONVOLUTION
- 8 OPERATOR DESIGN WINDOW
- 9 MIN OFFSET 200-1700 MS
- 10 MAX OFFSET 900-2400 MS
- 11 OPERATOR LENGTH 60 MS
- 12 PREHITTING 1 PERCENT
- 13 HEATHERING STATICS
- 14 DATUM ELEVATION 500 M ASL
- 15 HEATHERING VELOCITY 3700 M/SEC
- 16 AUTOMATIC RESIDUAL STATICS 810 M/SEC
- 17 MAX CORRELATION LAG +-30 MS
- 18 WINDOW 400-1800 MS
- 19 VELOCITY ANALYSIS
- 20 WINDOW
- 21 AUTOMATIC RESIDUAL STATICS
- 22 MAX CORRELATION LAG +-20 MS
- 23 WINDOW 150-1300 MS
- 24 COMMON OFFSET STACK
- 25 RESIDUAL NMO
- 26 MUTE
- 27 HAVE EQUATION MIGRATION 1200 PERCENT
- 28 BANDPASS FILTER 10/20 - 60/70 HZ
- 29 EQUALIZATION
- 30 400-2500 MS
- 31 WINDOW
- 32 16 TRACES/IN
- 33 FILM DISPLAY 7.5 INCHES/SEC

POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS



