

LINE KOT-7 SOUTH
S.P. 365-1058
NORTH

STRUCTURAL STACK

NORTHCOR ENERGY LTD.

KOTANEELEE



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
AUGUST, 1984
O.C. TCS

FIELD RECORDING

DATE SHOT SEPTEMBER 1983
SHOT BY SEFEL GEOPHYSICAL LTD
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 50 M
GEOPHONE TYPE MARK-L15 10 HZ
GEOPHONE PATTERN 308 HR SERCEL
INSTRUMENTS SEGB
DATA CHANNELS 96
RECORDING FILTER 8/12-125/24 HZ
RECORD LENGTH 6 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
- 2 PROCESSING SAMPLE RATE 2 MS
- 3 CDP TRACE GATHERS 1200 PERCENT
- 4 INSTRUMENT PHASE COMPENSATION
- 5 GEOPHONE PHASE COMPENSATION
- 6 AUTOMATIC GAIN CURVE APPLICATION
- 7 SPIKING DECONVOLUTION
- 8 OPERATOR DESIGN HINDON
- 9 MIN OFFSET 350-1350 MS
- 10 MAX OFFSET 700-1700 MS
- 11 OPERATOR LENGTH 80 MS
- 12 PREWHITENING 1 PERCENT
- 13 WEATHERING STATICS
- 14 DATUM ELEVATION VARIABLE DATUM
- 15 DATUM VELOCITY 3700 M/SEC
- 16 WEATHERING VELOCITY 610 M/SEC
- 17 VELOCITY ANALYSIS
- 18 NMO
- 19 AUTOMATIC RESIDUAL STATICS
- 20 MAX CORRELATION LAG 500-2500 MS
- 21 COMMON OFFSET STACK
- 22 RESIDUAL NMO
- 23 MUTE 1200 PERCENT
- 24 STACK
- 25 TIME VARIANT FILTER 14/22-65/75 HZ
- 26 0-1000 MS 11/19-40/56 HZ
- 27 EQUALIZATION
- 28 HINDON 500-2500 MS
- 29 VARIABLE TO FIXED DATUM CORRECTION
- 30 FIXED DATUM 1600 M/ASL
- 31 FILM DISPLAY 16 TR/IN
- 32 5 IN/SEC
- 33 POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS



