

LINE KOT-5
S.P. 507-753
EAST

STRUCTURAL STACK

NORTHCOR ENERGY LTD.

KOTANEELEE



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
AUGUST, 1984
G.C. TCS

FIELD RECORDING

DATE SHOT SEPTEMBER, 1983
SHOT BY SEFEL GEOPHYSICAL LTD
PARTY NO. 521
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 50 M
GEOPHONE TYPE MARK-115 10 HZ
GEOPHONE PATTERN 18 AT 3 M INT.
INSTRUMENTS 338 HR SERCEL
FORMAT SEG8
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 MS
2 CDP TRACE GATHERS 1200 PERCENT
3 INSTRUMENT PHASE COMPENSATION
4 GEOPHONE PHASE COMPENSATION
5 AUTOMATIC GAIN CURVE APPLICATION
6 SPIKING DECONVOLUTION
OPERATOR DESIGN WINDOW
MIN OFFSET 350-1350 MS.
MAX OFFSET 700-1700 MS.
OPERATOR LENGTH 80 MS.
7 HEATHERING STATICS 1 PERCENT
PREHEATING
DATUM ELEVATION VARIABLE DATUM
DATUM VELOCITY 3700 M/SEC.
HEATHERING VELOCITY 610 M/SEC.
8 VELOCITY ANALYSIS
9 NMO
10 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG 500-2500 MS.
11 COMMON OFFSET STACK
12 RESIDUAL NMO
13 MUTE 1200 PERCENT
14 STACK
15 TIME VARIANT FILTER 14/22-65/75 HZ
0-1000 MS 11/19-40/56 HZ
1000-4000 MS
16 EQUALIZATION 500-2500 MS.
17 VARIABLE TO FIXED DATUM CORRECTION 1600 M/ASL
FIXED DATUM 16 TR/IN
18 FILM DISPLAY 5 IN/SEC
POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

