

LINE NCH-3
S.P. 101-865

EAST

MIGRATED STACK

NORTHCOR ENERGY LTD

CAMERON HILLS



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
MAY, 1984
G.C.
DEBRA BARRON

FIELD RECORDING

DATE SHOT FEBRUARY, 1984
SHOT BY SEFEL GEOPHYSICAL LTD.
PARTY NO. 521
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE 2 KG AT 12 M
GEOPHONE TYPE MARK L-15 10 HZ
GEOPHONE PATTERN 9 AT 3.0 M INTERVALS
DATA CHANNELS 96
GROUP INTERVAL 20 M
SHOT POINT INTERVAL 80 M
SPREAD GEOMETRY 960-X-20-960 M
INSTRUMENT TYPE SERCEL 338B
TAPE FORMAT SEC
FIELD FILTER 8/12 - 125/24 HZ/OB
NOTCH OUT
SAMPLE INTERVAL 2 MS
RECORD LENGTH 3 SEC

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS
2 GEOMETRIC
3 AUTOMATIC GAIN CURVE APPLICATION
4 INSTRUMENT PHASE COMPENSATION
5 GEOPHONE PHASE COMPENSATION
6 LOW CUT FILTER
7 SPIKING DECONVOLUTION 8/16 HZ
OPERATOR LENGTH 60 MS
OPERATOR DESIGN WINDOW 100-1500 MS
MIN OFFSET 550-1950 MS
PREHITTENING 1 PERCENT
8 WEATHERING CORRECTIONS 750 M ASL
DATUM ELEVATION 2600 M/SEC
HEATHERING VELOCITY 610 M/SEC
9 EQUALIZATION
10 AUTOMATIC RESIDUAL STATICS 350-1000 MS
WINDOW MAX CORRELATION LAG +40 MS
11 VELOCITY ANALYSIS
12 NORMAL MOVEOUT
13 AUTOMATIC RESIDUAL STATICS 360-1100 MS
WINDOW MAX CORRELATION LAG +20 MS
14 COMMON OFFSET STACK
15 RESIDUAL NMO
16 MUTE
17 STACK 1200 PERCENT
18 BANDPASS FILTER 8/16-75/95 HZ
19 EQUALIZATION
20 TIME DOMAIN HAYE EQUATION 300-1500 MS
MIGRATION 16 TR/IN
21 FILM DISPLAY 7.5 IN/SEC
POLARITY (X) POSITIVE () NEGATIVE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

