

LINE NIR-36
S.P. 101-905
NORTH

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD
ISLAND RIVER



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
JAN.-FEB., 1984
O.C. TCS

FIELD RECORDING

DATE SHOT
JAN.-FEB., 1984

SHOT BY
SEFEL GEOPHYSICAL LTD.

SOURCE TYPE
DYNAMITE

SOURCE PATTERN
SINGLE HOLE

CHARGE SIZE
2 KG AT 12 M

GEOPHONE TYPE
MARK-10 HZ

GEOPHONE PATTERN
8 AT 3 M INTERVALS

INSTRUMENTS
KOS-10 96 TRACES

FORMAT
SEG

RECORDING FILTER
12/18 - 125/72 HZ

RECORD LENGTH
3 SEC

SAMPLE INTERVAL
25 MS

GROUP INTERVAL
100 M

SHOT POINT INTERVAL
100 M

SPREAD GEOMETRY
1200-25-X-25-1200

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE
2 MS

2 INSTRUMENT PHASE COMPENSATION

3 GEOPHONE PHASE COMPENSATION
1200 PERCENT

4 CDP TRACE GATHERS

5 AUTOMATIC GAIN CURVE APPLICATION

6 SPIKING DECONVOLUTION
OPERATOR DESIGN WINDOW
MIN OFFSET
MAX OFFSET
OPERATOR LENGTH
PREWHITENING
7 WEATHERING STATISTICS
DATUM ELEVATION
700 M ASL
WEATHERING VELOCITY
2750 M/SEC
8 VELOCITY ANALYSIS
9 NMO
10 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG
400-1100 MS
11 COMMON OFFSET STACK
RESIDUAL NMO
12 MUTE
13 STACK
14 WAVE EQUATION MIGRATION
8/16 - 100/120 HZ
15 BANDPASS FILTER
400-1400 MS
16 EQUALIZATION
7.5 INCHES/IN
17 FILM DISPLAY

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS



