

LINE OTK-004
S.P. 101-377
EAST

STRUCTURAL STACK

NORTHCOR ENERGY LTD.

SAMMILL



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
JULY, 1984
O.C. TCS

FIELD RECORDING

DATE SHOT MARCH, 1984
SHOT BY SEFEL GEOPHYSICAL LTD.
PARTY NO. 501
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 10 KG AT 18 M.
GEOPHONE TYPE MARK-LISA 10 HZ
GEOPHONE PATTERN 18 AT 3M INT.
INSTRUMENTS MDS 10
FORMAL SEG
DATA CHANNELS 96
RECORDING FILTER 12/18-172/72
RECORD LENGTH 6 SEC
SAMPLE INTERVAL 2 MS.
GROUP INTERVAL 40 M.
SHOT POINT INTERVAL 40 M.
SPREAD GEOMETRY 1920-40-X-40-1920

DIGITAL PROCESSING

- DEMULITPLEX WITH GAIN REMOVAL
- PROCESSING SAMPLE RATE 2 MS
- CDP TRACE GATHERS 4800 PERCENT
- INSTRUMENT PHASE COMPENSATION
- GEOPHONE PHASE COMPENSATION
- AUTOMATIC GAIN CURVE APPLICATION
- SPIKING DECONVOLUTION
OPERATOR DESIGN WINDOW
MIN OFFSET 350-1350 MS.
MAX OFFSET 700-1700 MS.
OPERATOR LENGTH 80 MS.
PREHEATING 1 PERCENT
- HEATHERING STATICS
DATUM ELEVATION VARIABLE DATUM
DATUM VELOCITY 3700 M/SEC.
HEATHERING VELOCITY 610 M/SEC.
- VELOCITY ANALYSIS
- NMO
- AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG +-40 MS.
WINDOW 500-2500 MS.
- COMMON OFFSET STACK
- RESIDUAL NMO
- MUTE
- STACK 4800 PERCENT
- TIME VARIANT FILTER
0-1000 MS 14/22-65/75 HZ
1000-4000 MS 11/19-40/56 HZ
- EQUALIZATION
WINDOW 500-2500 MS.
- VARIABLE TO FIXED DATUM CORRECTION
FIXED DATUM 1200 M/ASL
16 TR/IN
5 IN/SEC
- FILM DISPLAY
POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

