

LINE NBR-8  
S.P. 101-369  
EAST

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD  
CORMACK



SEFEL GEOPHYSICAL  
SEISMIC DATA PROCESSING  
CALGARY CANADA

DATE PROCESSED  
JUNE 1984  
O.C. RN

FIELD RECORDING

DATE SHOT MARCH 1984  
SHOT BY SEFEL GEOPHYSICAL LTD.  
PARTY NO. 501  
SOURCE TYPE DYNAMITE  
SOURCE PATTERN SINGLE HOLE  
CHARGE SIZE 2 KG AT 12 M  
GEOPHONE PATTERN MARK-10 HZ  
INSTRUMENTS 9 AT 3 M INTERVALS  
FORMAT MDS-10 96 TRACES  
RECORDING FILTER 12/18 - 172/72 HZ  
RECORD LENGTH 4 SEC  
SAMPLE INTERVAL 2 MS  
GROUP INTERVAL 25 M  
SHOT POINT INTERVAL 100 M  
SPREAD GEOMETRY 1200-25-X-25-1200 M

DIGITAL PROCESSING

- 1 DEMULTIPLEX WITH GAIN REMOVAL
- 2 PROCESSING SAMPLE RATE 2 MS
- 3 INSTRUMENT PHASE COMPENSATION
- 4 GEOPHONE PHASE COMPENSATION
- 5 CDP TRACE GATHERS 1200 PERCENT
- 6 AUTOMATIC GAIN CURVE APPLICATION
- 7 SPIKING DECONVOLUTION
- 8 OPERATOR DESIGN WINDOW
- 9 MIN OFFSET 200-1700 MS
- 10 MAX OFFSET 800-2300 MS
- 11 OPERATOR LENGTH 60 MS
- 12 PREWHITENING 1 PERCENT
- 13 WEATHERING STATICS
- 14 DATUM ELEVATION 650 M ASL
- 15 DATUM VELOCITY 3000 M/SEC
- 16 WEATHERING VELOCITY 810 M/SEC
- 17 AUTOMATIC RESIDUAL STATICS
- 18 MAX CORRELATION LAG +30 MS
- 19 WINDOW 300-1500 MS
- 20 VELOCITY ANALYSIS
- 21 NMO
- 22 AUTOMATIC RESIDUAL STATICS
- 23 MAX CORRELATION LAG +20 MS
- 24 WINDOW 300-1000 MS
- 25 COMMON OFFSET STACK
- 26 RESIDUAL NMO
- 27 MUTE
- 28 STACK 1200 PERCENT
- 29 WAVE EQUATION MIGRATION 10/20 - 60/70 HZ
- 30 BANDPASS FILTER
- 31 EQUALIZATION 400-2500 MS
- 32 WINDOW
- 33 FILM DISPLAY 16 TRACES/IN
- 34 7.5 INCHES/SEC

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY  
EXPRESS EXPLORATION CONSULTANTS

