

LINE NB-15
S.P. 101-473
N.E.

MIGRATED STRUCTURAL STACK
NORTHCOR ENERGY LTD
BOVIE LAKE

	SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA	DATE PROCESSED JUNE 1984 Q.C. RN
	FIELD RECORDING	
DATE SHOT FEBRUARY 1984		
SHOT BY SEFEL GEOPHYSICAL LTD.		
SOURCE TYPE PARTY NO. 506		
CHARGE SIZE DYNAMIC		
GEOPHONE TYPE SINGLE HOLE		
GEOPHONE PATTERN 2 KD AT 11 M		
INSTRUMENTS GEOSPAC-10 HZ		
FORMA 9 AT 3 M INTERVALS		
RECORDING FILTER MS-10		
RECORD LENGTH 12/18 - 125/72 HZ		
SAMPLE INTERVAL 4 SEC		
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 1200 PERCENT		
5 CDP TRACE GATHERS		
6 AUTOMATIC GAIN CURVE APPLICATION		
7 SPLITTING DECONVOLUTION OPERATOR DESIGN WINDOW		
MIN OFFSET 150-1650 MS		
MAX OFFSET 800-2300 MS		
OPERATOR LENGTH 60 MS		
PREWHITENING 1 PERCENT		
7 HEATHERING STATICS 500 M ASL		
DATUM ELEVATION 3700 M/SEC		
HEATHERING VELOCITY 610 M/SEC		
8 AUTOMATIC RESIDUAL STATICS MAX CORRELATION LAG		
MINIMUM +30 MS		
MAXIMUM 300-1700 MS		
9 VELOCITY ANALYSIS		
10 NMO		
11 AUTOMATIC RESIDUAL STATICS MAX CORRELATION LAG		
MINIMUM +30 MS		
MAXIMUM 180-1200 MS		
12 COMMON OFFSET STACK		
13 RESIDUAL NMO		
14 MUTE		
15 STACK 1200 PERCENT		
16 WAVE EQUATION MIGRATION 10/20 - 60/70 HZ		
17 BANDPASS FILTER		
18 EQUALIZATION 400-2500 MS		
19 FILM DISPLAY 16 TRACES/IN 7.5 INCHES/SEC		
POLARITY (X) NORMAL () REVERSE		
PROCESSING PARAMETERS SELECTED BY EMPRESS EXPLORATION CONSULTANTS		

