

LINE NB-20
S.P. 161-913
N.E.

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD
BOVIE LAKE

 SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA	DATE PROCESSED JUNE 1984 O. C. RN
FIELD RECORDING	
DATE SHOT FEBRUARY 1984	
SHOT BY SEFEL GEOPHYSICAL LTD.	
SOURCE TYPE DYNAMITE	
SOURCE PATTERN SINGLE HOLE	
CHARGE 2 KG AT 13 M	
GEOPHONE TYPE GEOSPAC-10 HZ	
GEOPHONE PATTERN 8 AT 3 M INTERVALS	
INSTRUMENTS MDS-10 96 TRACE	
FORMAT SEG	
RECORDING FILTER 12/18 - 125/72 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 MS	
PROCESSING SAMPLE RATE 1200 PERCENT	
2 INSTRUMENT PHASE COMPENSATION	
3 GEOPHONE PHASE COMPENSATION	
4 COP TRACE GATHERS	
5 AUTOMATIC GAIN CURVE APPLICATION	
6 SPHERICAL DECONVOLUTION	
OPERATOR DESIGN WINDOW 150-1650 MS	
MIN OFFSET 800-2300 MS	
MAX OFFSET 60 MS	
OPERATOR LENGTH 1 PERCENT	
PREHATTENING	
7 WEATHERING STATICS	
DATUM ELEVATION 500 M ASL	
DATUM VELOCITY 3700 M/SEC	
WEATHERING VELOCITY 610 M/SEC	
8 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG 1-30 MS	
WINDOW 300-1700 MS	
9 VELOCITY ANALYSIS	
10 NMO	
11 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG 1-30 MS	
WINDOW 100-1100 MS	
12 COMMON OFFSET STACK	
13 RESIDUAL NMO	
14 MUTE	
15 STACK 1200 PERCENT	
16 WAVE EQUATION MIGRATION	
17 BANDPASS FILTER 10/20 - 60/70 HZ	
18 EQUALIZATION	
WINDOW 400-2500 MS	
19 FILM DISPLAY 16 TRACES/IN	
7.5 INCHES/SEC	
POLARITY (X) NORMAL () REVERSE	
PROCESSING PARAMETERS SELECTED BY EMPRESS EXPLORATION CONSULTANTS	



