

LINE NB-24
S.P. 841-61
S.E.

MIGRATED STRUCTURAL STACK
NORTHCOR ENERGY LTD
BOVIE LAKE

SEFEL 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 DYNAMITE	SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 12 M	GEOPHONE TYPE 9 AT 3 M INTERVALS
GEOPHONE PATTERN MDS-10	INSTRUMENTS 86 TRACE
FORMAL 12/18 - 125/72 HZ	RECORDING FILTER 4 SEC
RECORD LENGTH 2 MS	SAMPLE 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
2 PROCESSING SAMPLE RATE	1200 PERCENT
3 INSTRUMENT PHASE COMPENSATION	
4 CDP TRACE GATHERS	
5 AUTOMATIC GAIN CURVE APPLICATION	
6 SPK LINE DECONVOLUTION	
OPERATOR DESIGN WINDOW	
MIN OFFSET	150-1650 MS
MAX OFFSET	800-2300 MS
OPERATOR LENGTH	80 MS
PREWHITENING	1 PERCENT
7 HEATHERING STATICS	500 M ASL
DATUM ELEVATION	3700 M/SEC
DATUM VELOCITY	610 M/SEC
8 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+20 MS
WINDOW	300-1700 MS
9 VELOCITY ANALYSIS	
10 N/D	
11 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+20 MS
WINDOW	100-1100 MS
12 COMMON OFFSET STACK	
13 RESIDUAL N/D	
14 MUTE	
15 STACK	1200 PERCENT
16 HAVE EQUATION MIGRATION	
17 BANDPASS FILTER	10/20 - 60/70 HZ
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	



