

LINE NB-4
S.P. 449-73
EAST
92 2 9 - N 10 - 10 E

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD
BOVIE LAKE

SEFEL SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA	DATE PROCESSED JUNE 1984 Q.C. RN
FIELD RECORDING	
DATE SHOT MARCH 1984	PARTY NO. 506
SOURCE TYPE DYNAMITE	SINGLE HOLE
SOURCE PATTERN 3 KG AT 11 M	GEOSPAC-10 HZ
CHARGE SIZE 9 AT 3 M INTERVALS	86 TRACES
GEOPHONE TYPE NOS-10	SEG8
INSTRUMENTS 12/18	125/72 HZ
FORMAT RECORDING FILTER	4 SEC
RECORD LENGTH 2 M	100 M
SAMPLE INTERVAL 25 M	1200-25-X-25-1200 M
GROUP INTERVAL 100 M	
SHOT POINT INTERVAL 100 M	
SPREAD GEOMETRY	
DIGITAL PROCESSING	
1 DEMULTIPLEX WITH GAIN REMOVAL	2 MS
2 PROCESSING SAMPLE RATE	1200 PERCENT
3 INSTRUMENT PHASE COMPENSATION	
4 GEOPHONE PHASE COMPENSATION	
5 CDP TRACE GATHERS	
6 AUTOMATIC GAIN CURVE APPLICATION	
7 SPKING DECONVOLUTION	
8 OPERATOR DESIGN WINDOW	
9 MIN OFFSET	150-1650 MS
10 MAX OFFSET	800-2300 MS
11 OPERATOR LENGTH	60 MS
12 PREWHITENING	1 PERCENT
13 WEATHERING STATICS	500 M ASL
14 DATUM ELEVATION	3700 M/SEC
15 DATUM VELOCITY	610 M/SEC
16 AUTOMATIC RESIDUAL STATICS	
17 MAX CORRELATION LAG	+30 MS
18 WINDOW	300-1700 MS
19 VELOCITY ANALYSIS	
20 NMO	
21 AUTOMATIC RESIDUAL STATICS	
22 MAX CORRELATION LAG	+20 MS
23 WINDOW	300-1300 MS
24 COMMON OFFSET STACK	
25 RESIDUAL NMO	
26 MUTE	1200 PERCENT
27 STACK	
28 WAVE EQUATION MIGRATION	10/20 - 60/70 HZ
29 BANDPASS FILTER	
30 EQUALIZATION	400-2500 MS
31 WINDOW	16 TRACES/IN
32 FILM DISPLAY	7.5 INCHES/SEC
POLARITY (X) NORMAL () REVERSE	
PROCESSING PARAMETERS SELECTED BY EMPRESS EXPLORATION CONSULTANTS	

