

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

MIGRATED STRUCTURAL STACK
NORTHCOR ENERGY LTD
BOVIE LAKE

SEFEL	SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY, CANADA	DATE PROCESSED JUNE 1984 G.C. RN
FIELD RECORDING		
DATE SHOT FEBRUARY 1984	SEFEL GEOPHYSICAL LTD. PARTY NO. 506	
SOURCE TYPE DYNAMITE	SINGLE HOLE	
SOURCE PATTERN 2 KG AT 13 M	GEOSPAC-10 HZ	
CHARGE SIZE 9 AT 3 M INTERVALS	96 TRACE	
GEOPHONE TYPE MDS-10	SECS	
INSTRUMENTS 12/18 - 125/72 HZ	RECORD LENGTH 4 SEC	
FORMAT 2 MS	SAMPLE INTERVAL 25 M	
RECORDING FILTER 100 M	SHOT POINT INTERVAL 1200-25-X-25-1200 M	
SPREAD GEOMETRY		
DIGITAL PROCESSING		
1 DEMULTIPLEX WITH GAIN REMOVAL	2 MS	
2 PROCESSING SAMPLE RATE	1200 PERCENT	
3 INSTRUMENT PHASE COMPENSATION	1 PERCENT	
4 GEOPHONE PHASE COMPENSATION	500 M ASL	
5 CDP TRACE GATHERS	3700 M/SEC	
6 AUTOMATIC GAIN CURVE APPLICATION	610 M/SEC	
7 SPARKING DECONVOLUTION	+30 MS	
8 OPERATOR DESIGN WINDOW	300-1700 HS	
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 WEATHERING VELOCITY	+30 MS	
17 AUTOMATIC RESIDUAL STATICS	300-1700 HS	
18 MAX CORRELATION LAG	+20 MS	
19 WINDOW	100-1100 MS	
20 NO		
21 AUTOMATIC RESIDUAL STATICS	+20 MS	
22 MAX CORRELATION LAG	100-1100 MS	
23 WINDOW		
24 COMMON OFFSET STACK	1200 PERCENT	
25 RESIDUAL WINDOW	10/20 - 60/70 HZ	
26 MUTE	400-2500 MS	
27 STACK	18 TRACES/IN	
28 WAVE EQUATION MIGRATION	7.5 INCHES/SEC	
29 BANDPASS FILTER		
30 EQUALIZATION		
31 WINDOW		
32 FILM DISPLAY		
POLARITY (X) NORMAL () REVERSE		
PROCESSING PARAMETERS SELECTED BY EMPRESS EXPLORATION CONSULTANTS		



