

LINE NIR-4
S.P. 101-677
S.E.

MIGRATED STRUCTURAL STACK
NORTHCOR ENERGY LTD
ISLAND RIVER

SEFEL SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA	DATE PROCESSED JAN - FEB, 1984 O.C. TCS
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FIELD RECORDING	
DATE SHOT JAN - FEB, 1984	SEFEL GEOPHYSICAL LTD.
SOURCE TYPE DYNAMITE	PARTY NO. 501
SOURCE PATTERN SINGLE HOLE	
CHARGE SIZE 2 KG AT 1/2 M	
GEOPHONE TYPE MARK-10	
GEOPHONE PATTERN 9 AT 3 M INTERVALS	
INSTRUMENTS HDS-10	96 TRACES
FORMAT SEG	
RECORDING FILTER 12/18	125/72 HZ
RECORD LENGTH 3 SEC	
SAMPLE INTERVAL 2 MS	
GROUP INTERVAL 25 M	
SHOT POINT INTERVAL 100 M	
SPREAD GEOMETRY 1200-25-X-25-1200	

DIGITAL PROCESSING	
1 DEMULTIPLEX WITH GAIN REMOVAL	2 MS
2 INSTRUMENT PHASE COMPENSATION	
3 GEOPHONE PHASE COMPENSATION	1200 PERCENT
4 CIP TRACE GATHERS	
5 AUTOMATIC GAIN CURVE APPLICATION	
6 SPIKING DECONVOLUTION	
OPERATOR DESIGN WINDOW	
MIN OFFSET	300-1300 MS
MAX OFFSET	600-1800 MS
OPERATOR LENGTH	60 MS
PREWHITENING	1 PERCENT
7 WEATHERING STATICS	
DATUM ELEVATION	700 M ASL
DATUM VELOCITY	2750 M/SEC
8 WEATHERING VELOCITY	610 M/SEC
9 VELOCITY ANALYSIS	
10 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-30 MS
WINDOW	400-1100 MS
11 COMMON OFFSET STACK	
12 RESIDUAL NMO	
13 MUTE	
14 STACK	1200 PERCENT
15 NAVE EQUATION MIGRATION	
16 BANDPASS FILTER	8/16 - 100/120 HZ
17 EQUALIZATION	400-1400 MS
WINDOW	16 TRACES/IN
18 FILM DISPLAY	7.5 INCHES/SEC

NORMAL POLARITY (POSITIVE VALUE PEAK)

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS



