

LINE NB-7
S.P. 90-433

EAST
9229-N10-10E

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		
SHOT BY: SEFEL GEOPHYSICAL LTD.		
SOURCE TYPE: DYNAMITE		
SOURCE PATTERN: SINGLE HOLE		
CHARGE SIZE: 2 KG AT 11 M		
GEOPHONE TYPE: GEOSPAC-10 HZ		
GEOPHONE PATTERN: 9 AT 3 M INTERVALS		
INSTRUMENTS: KDS-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		
2 INSTRUMENT PHASE COMPENSATION		
3 GEOPHONE PHASE COMPENSATION 1200 PERCENT		
4 CDP TRACE GATHERS		
5 AUTOMATIC GAIN CURVE APPLICATION		
6 SPIKING DECONVOLUTION		
OPERATOR DESIGN WINDOW		
MIN OFFSET 150-1650 MS		
MAX OFFSET 800-2300 MS		
OPERATOR LENGTH 60 MS		
PREWHITENING 1 PERCENT		
7 HEATHERING STATICS		
DATUM ELEVATION 500 M ASL		
DATUM VELOCITY 2700 M/SEC		
HEATHERING VELOCITY 610 M/SEC		
8 AUTOMATIC RESIDUAL STATICS		
MAX CORRELATION LAG +-30 MS		
WINDOW 300-1700 MS		
9 VELOCITY ANALYSIS		
10 NWD		
11 AUTOMATIC RESIDUAL STATICS		
MAX CORRELATION LAG +-20 MS		
WINDOW 250-1350 MS		
12 COMMON OFFSET STACK		
13 RESIDUAL NWD		
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		

