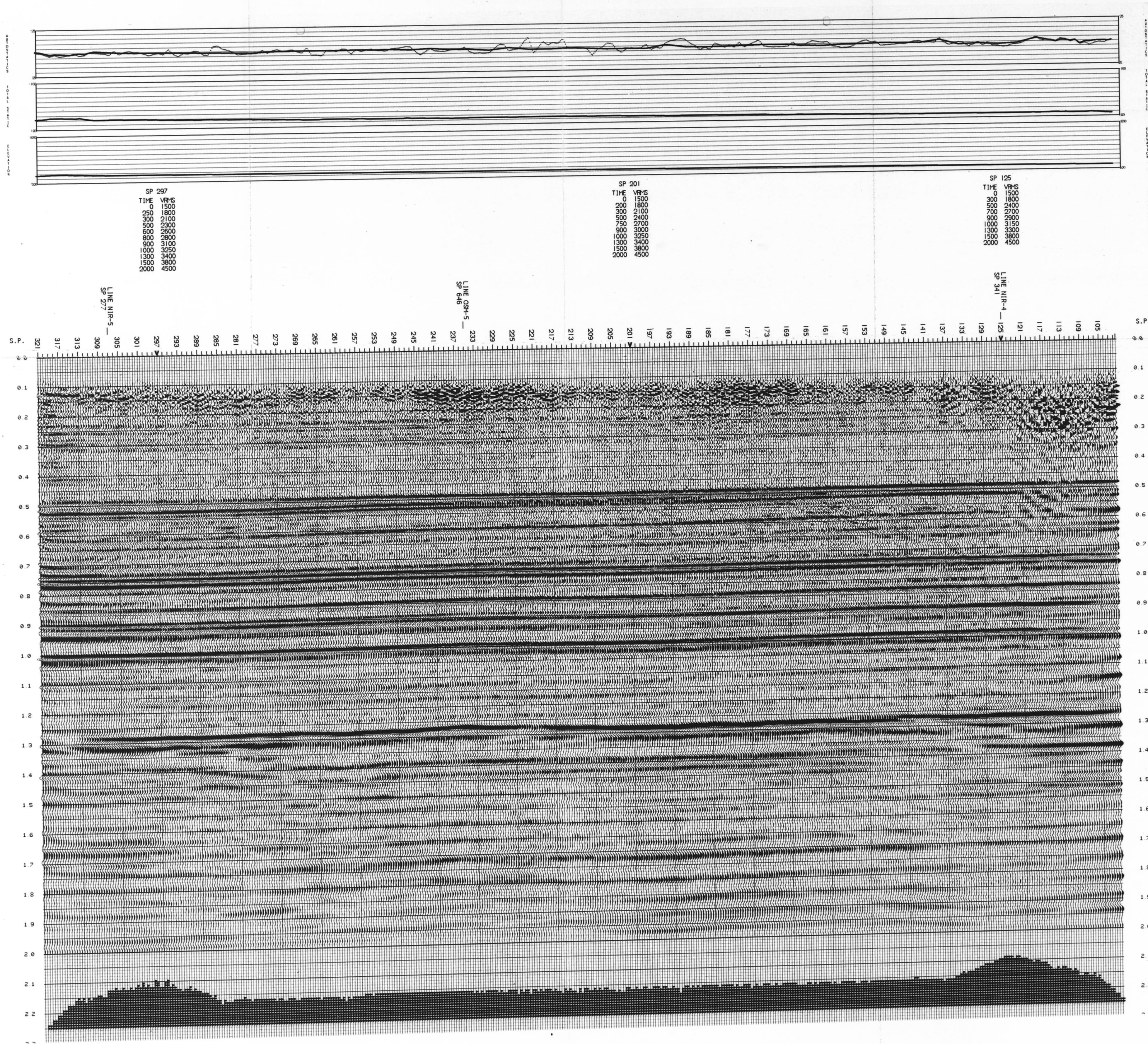




LINE NIR-33
S.P. 101-321
N.E.

MIGRATED STRUCTURAL STACK

NORTHCOR ENERGY LTD
ISLAND RIVER

SEFEL SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA

DATE PROCESSED JAN - FEB, 1984
G.C. TCS

FIELD RECORDING

DATE SHOT JAN - FEB, 1984
SHOT 87
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 2 KG AT 12 M
GEOPHONE TYPE MARK-10 HZ
GEOPHONE PATTERN 9 AT 3 M INTERVALS
INSTRUMENTS MDS-10 96 TRACES
FORMAT SEG8
RECORDING FILTER 12/18 - 125/72 HZ
RECORD LENGTH 3 SEC
SAMPLE INTERVAL 2 MS
GROUP INTERVAL 100 M
SHOT POINT INTERVAL 1200-25-X-25-1200
SPREAD GEOMETRY

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 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 300-1300 MS
MAX OFFSET 800-1800 MS
OPERATOR LENGTH 60 MS
PREWHITENING 1 PERCENT
7 WEATHERING STATICS
DATUM ELEVATION 700 M ASL
DATUM VELOCITY 2750 M/SEC
WEATHERING VELOCITY 610 M/SEC
8 VELOCITY ANALYSIS
9 NMO
10 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG 400-1100 MS
11 COMMON OFFSET STACK
12 RESIDUAL NMO
13 MUTE
14 STACK 1200 PERCENT
15 HAVE EQUATION MIGRATION 8/16 - 100/120 HZ
16 BANDPASS FILTER
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