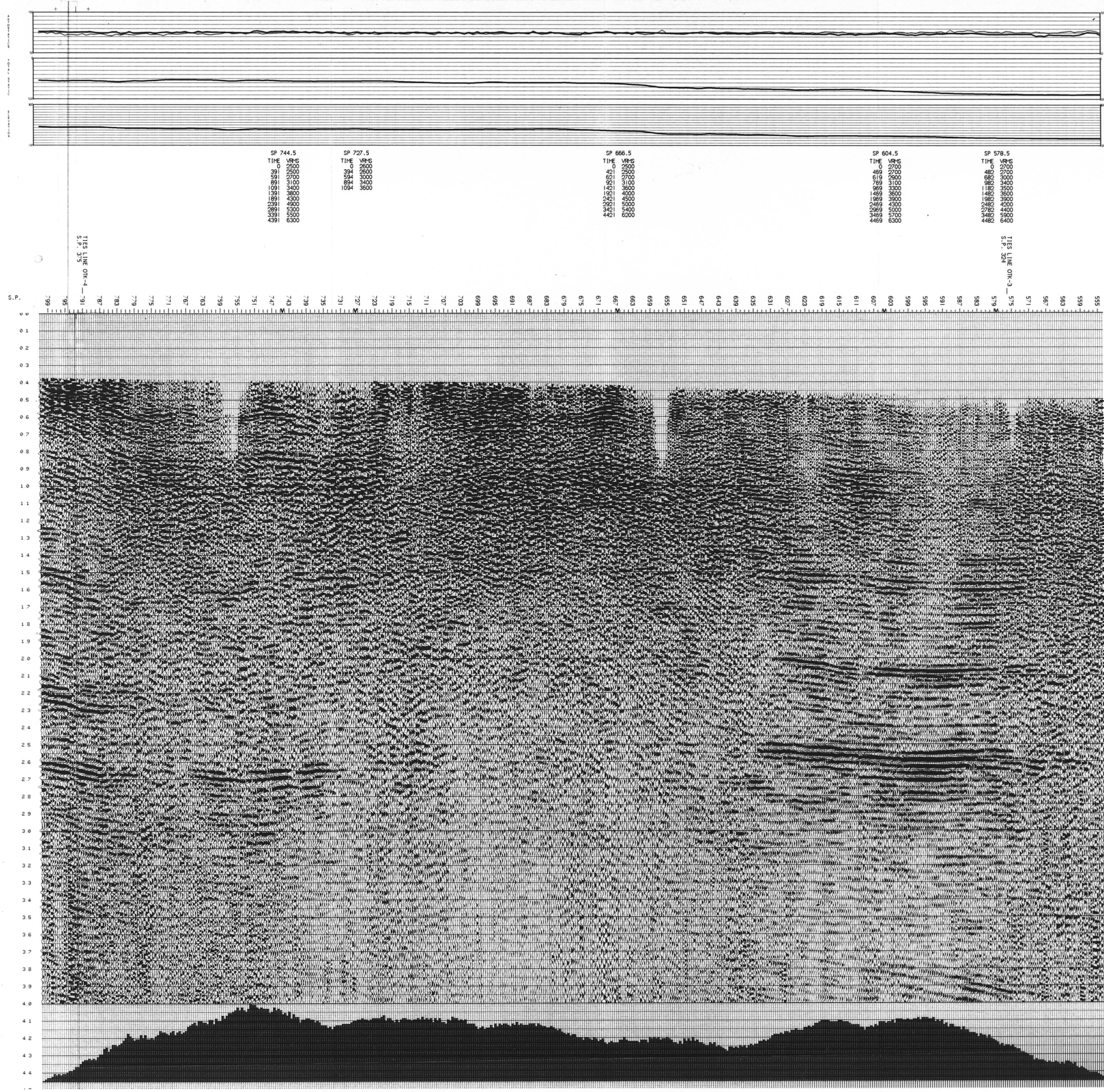




LINE 0TK-009
S.P. 554-799
NORTH
0229-N10-1E
STRUCTURAL STACK
NORTHCOR ENERGY LTD.
SAWMILL

SEFEL
SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
JULY, 1984
O.C. TCS

FIELD RECORDING
DATE SHOT MARCH, 1984
SHOT BY SEFEL GEOPHYSICAL LTD.
SOURCE TYPE DYNAMITE
SOURCE PATTERN SINGLE HOLE
CHARGE SIZE 10 KG AT 18 M.
GEOPHONE TYPE MARK-L15A 10 HZ
GEOPHONE PATTERN 18 AT 34 INT.
INSTRUMENTS MDS 10
FORMAT SEG8
DATA CHANNELS 96
RECORDING FILTER 12/18-172/72
RECORD LENGTH 6 SEC
SAMPLE INTERVAL 2 MS.
GROUP INTERVAL 40 M.
SHOT POINT INTERVAL 40 M.
SPREAD GEOMETRY 1920-40-X-40-1920

DIGITAL PROCESSING
1 DEMULTIPLEX WITH GAIN REMOVAL 2 MS
2 CDP TRACE GATHERS 4800 PERCENT
3 INSTRUMENT PHASE COMPENSATION
4 GEOPHONE PHASE COMPENSATION
5 AUTOMATIC GAIN CURVE APPLICATION
6 SPIKING DECONVOLUTION
7 OPERATOR DESIGN WINDOW
MIN OFFSET 350-1350 MS.
MAX OFFSET 700-1700 MS.
OPERATOR LENGTH 80 MS.
PREWHITENING 1 PERCENT
8 WEATHERING STATICS
DATUM ELEVATION VARIABLE DATUM
DATUM VELOCITY 3700 M/SEC.
WEATHERING VELOCITY 610 M/SEC.
9 VELOCITY ANALYSIS
10 WINDOW
11 AUTOMATIC RESIDUAL STATICS
MAX CORRELATION LAG +-40 MS.
WINDOW 500-2500 MS.
12 COMMON OFFSET STACK
13 RESIDUAL WINDOW
14 MUTE 4800 PERCENT
15 TIME VARIANT FILTER
0-1000 MS 14/22-65/75 HZ
1000-4000 MS 11/19-40/56 HZ
16 EQUALIZATION
WINDOW 500-2500 MS.
17 VARIABLE TO FIXED DATUM CORRECTION 1000 M/ASL
FIXED DATUM 16 TR/IN
18 FILM DISPLAY 5 IN/SEC
POLARITY (X) NORMAL () REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS