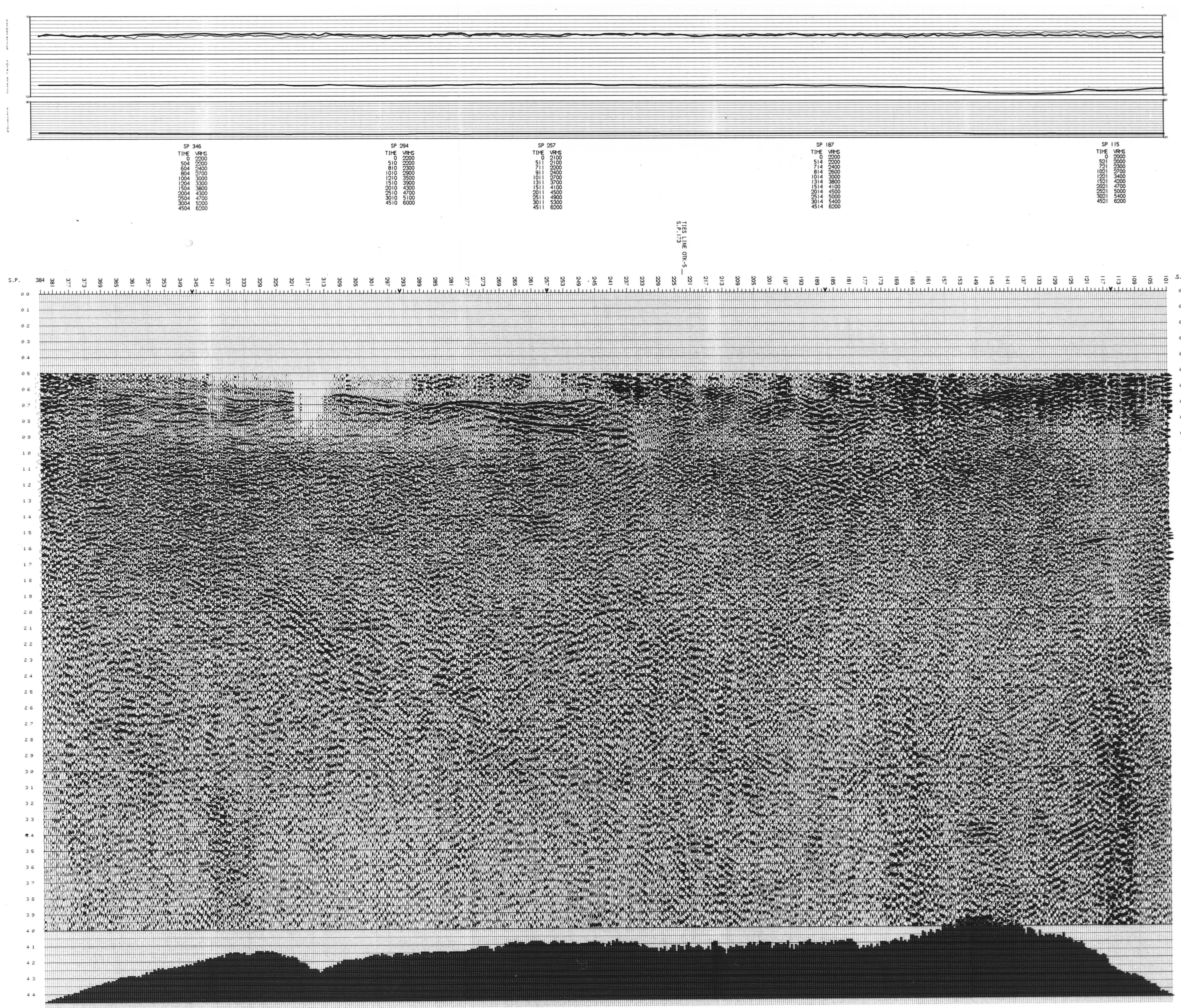




LINE OTK-001  
S.P. 101-384  
EAST  
9 2 2 9 - N 1 0 - 1 E

STRUCTURAL STACK

NORTHCOR ENERGY LTD.

SANMILL

SEFEL GEOPHYSICAL  
SEISMIC DATA PROCESSING  
CALGARY, CANADA

DATE PROCESSED  
JULY, 1984  
G.C. TCS

FIELD RECORDING

DATE SHOT MARCH, 1984  
SHOT BY SEFEL GEOPHYSICAL LTD  
SOURCE TYPE DYNAMITE  
SOURCE DEPTH SINGLE HOLE  
CHARGE SIZE 10 KG AT 18 M.  
GEOPHONE TYPE MARK-15A 10 HZ  
GEOPHONE PATTERN 18 AT 3M INT.  
INSTRUMENTS MDS 10  
FORMATS SEG  
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  
PROCESSING SAMPLE RATE 2 MS  
2 CDP TRACE GATHERS 4800 PERCENT  
3 INSTRUMENT PHASE COMPENSATION  
4 GEOPHONE PHASE COMPENSATION  
5 AUTOMATIC GAIN CURVE APPLICATION  
6 SPIKING DECONVOLUTION  
OPERATOR DESIGN WINDOW  
MIN OFFSET 350-1350 MS.  
MAX OFFSET 700-1700 MS.  
OPERATOR LENGTH 80 MS  
PREWHITENING 1 PERCENT  
7 WEATHERING STATISTICS  
DATUM ELEVATION VARIABLE DATUM  
DATUM VELOCITY 3700 M/SEC.  
WEATHERING VELOCITY 610 M/SEC.  
8 VELOCITY ANALYSIS  
9 NMO  
10 AUTOMATIC RESIDUAL STATISTICS  
MAX CORRELATION LAG +-40 MS.  
WINDOW 500-2500 MS.  
11 COMMON OFFSET STACK  
12 RESIDUAL NMO  
13 MUTE  
14 STACK 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  
FIXED DATUM 1200 M/ASL  
18 FILM DISPLAY 16 TR/IN  
5 IN/SEC  
POLARITY (X) NORMAL ( ) REVERSE

PROCESSING PARAMETERS SELECTED BY  
EMPRESS EXPLORATION CONSULTANTS