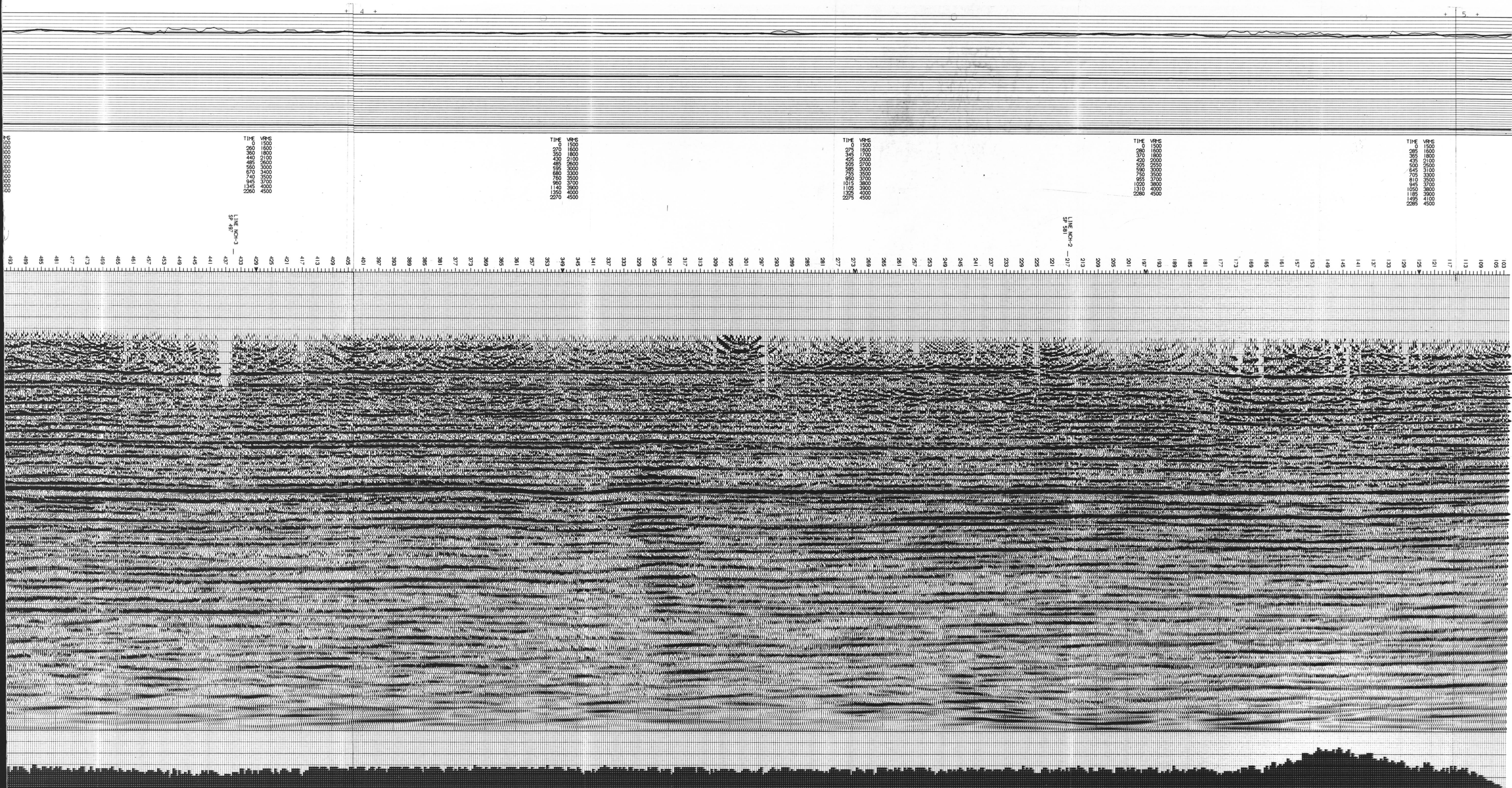




LINE NCH-22
S.P. 101-1555
NORTH

MIGRATED STACK

NORTHCOR ENERGY LTD
CAMERON HILLS

SEFEL

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
MAY. 1984
O.C.
DEBRA BARRON

FIELD RECORDING

DATE SHOT
FEBRUARY, 1984

SHOT BY
SEFEL GEOPHYSICAL LTD.

SOURCE TYPE
DYNAMITE

SOURCE PATTERN
SINGLE HOLE

CHARGE
2 KG AT 12 M

GEOPHONE TYPE
MARK 1-15 10 HZ

GEOPHONE PATTERN
9 AT 3.0 M INTERVALS

DATA CHANNELS
86

GROUP INTERVAL
20 M

SHOT POINT INTERVAL
80 M

SPREAD GEOMETRY
880-20-X-20-960 M

INSTRUMENT TYPE
SERCEL 338B

TAPE FORMAT
SEG

FIELD FILTER
8/12 - 125/24 HZ/DB

NOTCH
OUT

SAMPLE INTERVAL
3 MS

RECORD LENGTH
3 SEC

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL
PROCESSING SAMPLE RATE 2 MS

2 GEOMETRY

3 AUTOMATIC GAIN CURVE APPLICATION

4 INSTRUMENT PHASE COMPENSATION

5 GEOPHONE PHASE COMPENSATION

6 LOW CUT FILTER 8/16 HZ

7 SPIKING DECONVOLUTION
OPERATOR LENGTH 60 MS
OPERATOR DESIGN WINDOW
MIN OFFSET 100-1500 MS
MAX OFFSET 550-1950 MS
PREHITTENING 1 PERCENT

8 HEATHERING CORRECTIONS
DATUM ELEVATION 750 M ASL
DATUM VELOCITY 2600 M/SEC
HEATHERING VELOCITY 610 M/SEC

9 EQUALIZATION

10 AUTOMATIC RESIDUAL STATICS
WINDOW 350-1000 MS
MAX CORRELATION LAG +-40 MS

11 VELOCITY ANALYSIS

12 NORMAL MOVEOUT

13 AUTOMATIC RESIDUAL STATICS
WINDOW 300-1000 MS
MAX CORRELATION LAG +-20 MS

14 COMMON OFFSET STACK

15 RESIDUAL NMO

16 MUTE

17 STACK 1200 PERCENT

18 BANDPASS FILTER 8/16-75/95 HZ

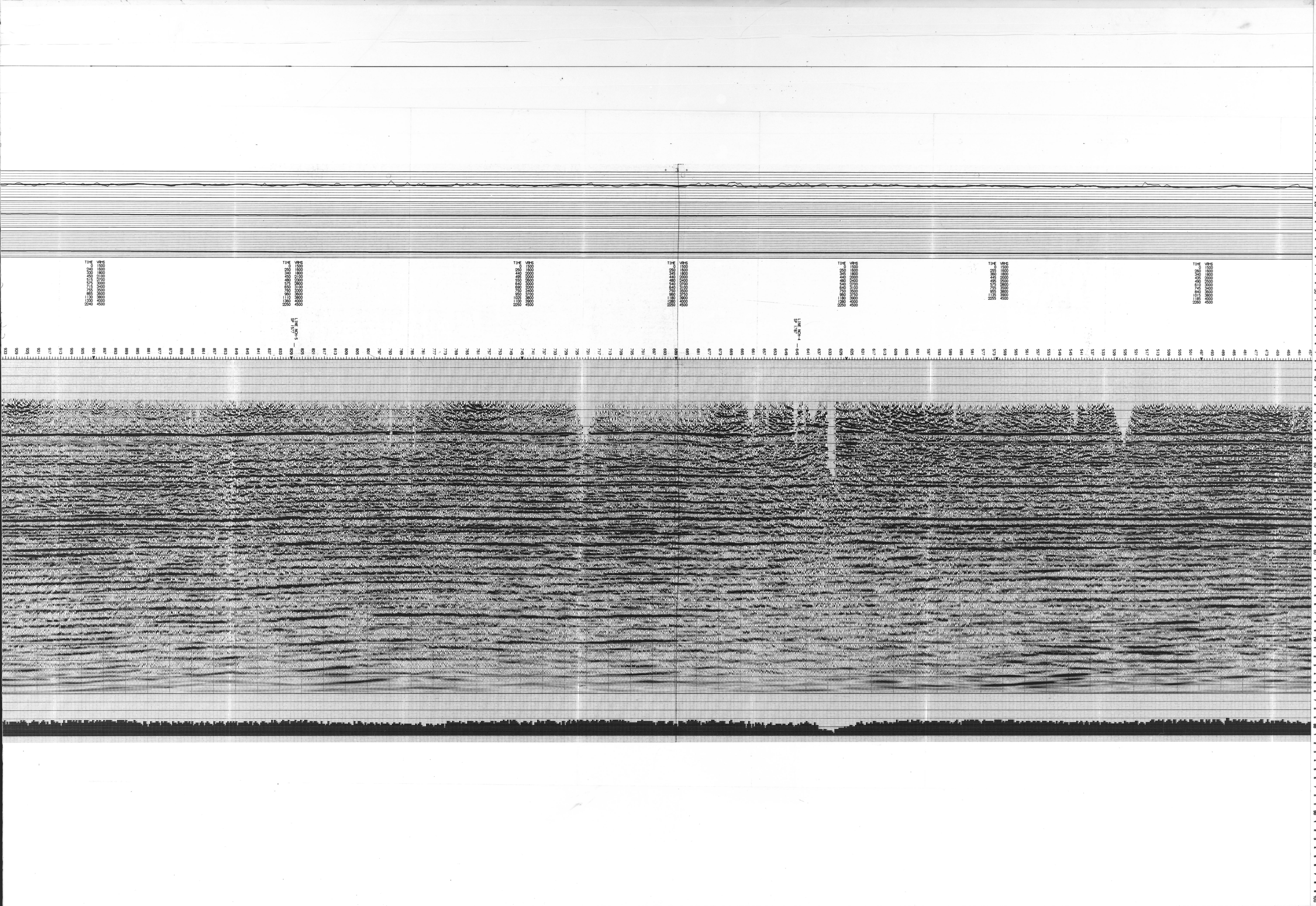
19 EQUALIZATION

20 TIME DOMAIN WAVE EQUATION MIGRATION 300-1500 MS
WINDOW 16 TR/IN

21 FILM DISPLAY 7.5 IN/SEC

POLARITY (X) POSITIVE () NEGATIVE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS



TIME VRS
0 1500
15 1600
30 1700
45 1800
60 1900
75 2000
90 2100
105 2200
120 2300
135 2400
150 2500
165 2600
180 2700
195 2800
210 2900
225 3000
240 3100
255 3200
270 3300
285 3400
300 3500
315 3600
330 3700
345 3800
360 3900
375 4000
390 4100
405 4200
420 4300
435 4400
450 4500

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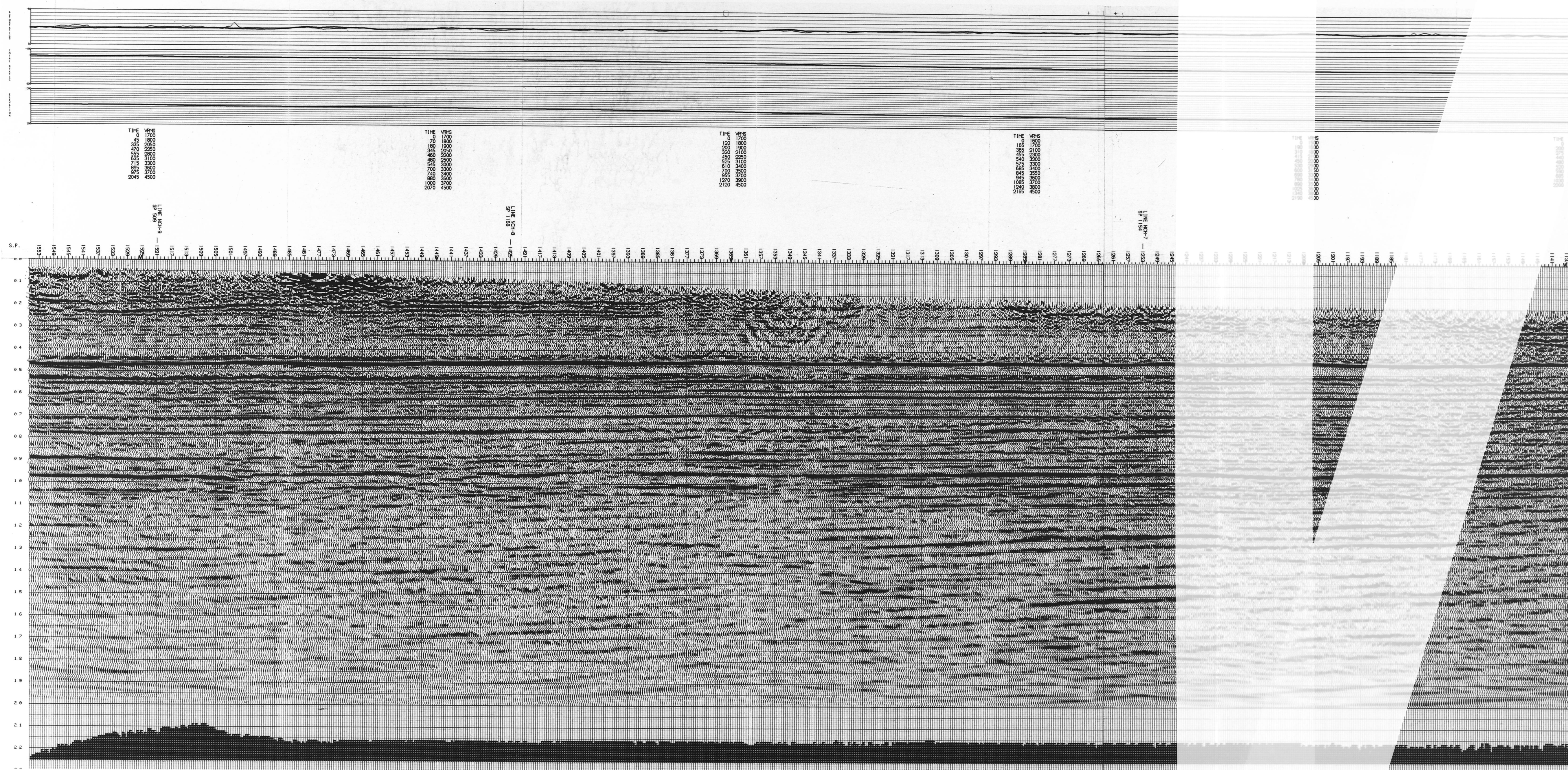
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LINE NO. 7 - 1253
SP 1154

LINE NO. 4 - 1081
SP 1152



TIME VRS
0 1700
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