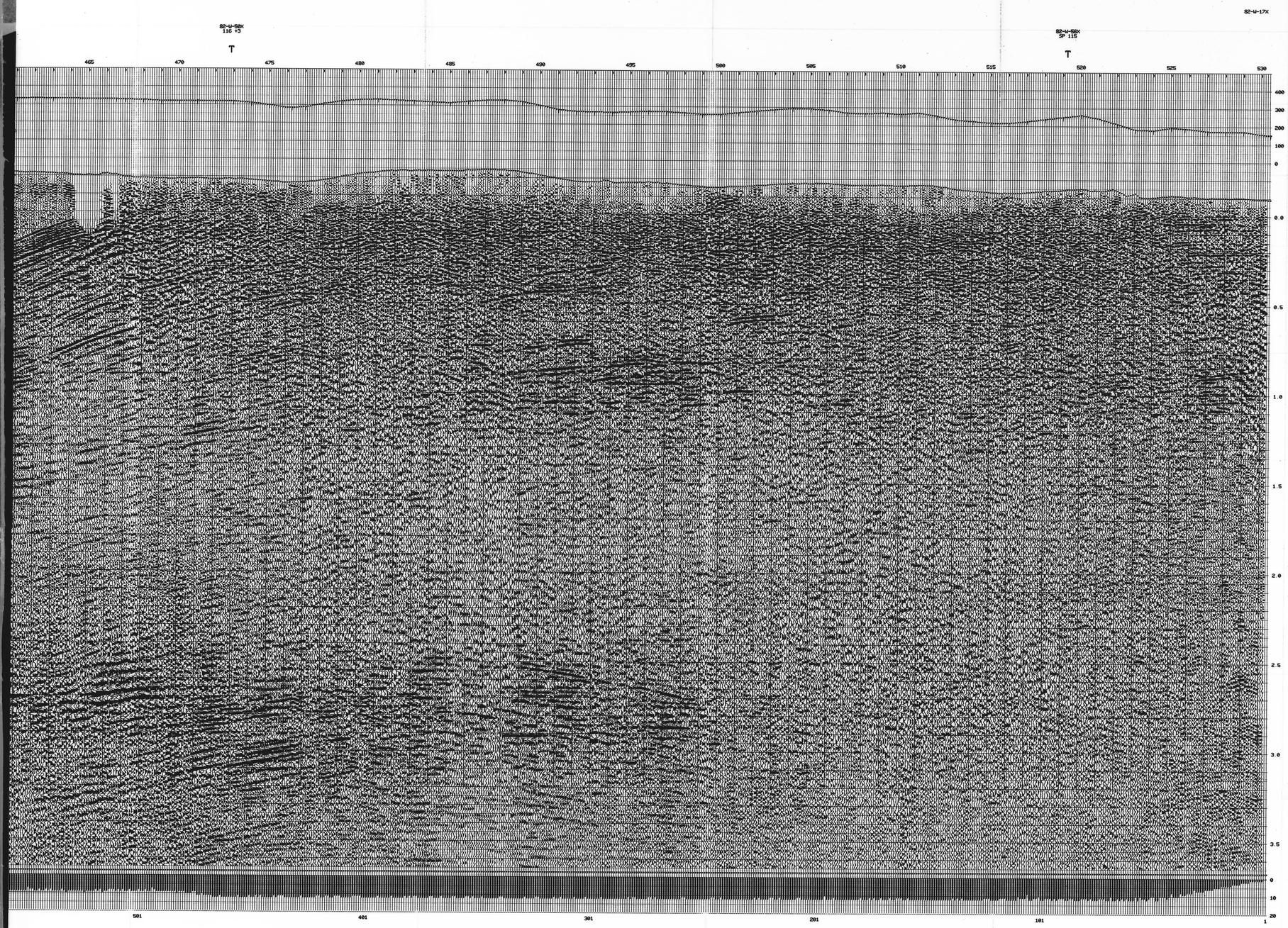


GEO-X SYSTEMS LTD.
CALGARY ALBERTA

LINE: 82-W-17X TYPE: S-NP
DIRECTION → N.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 106H
CLIENT: PETRO-CANADA EXPLORATION INC.

SURFACE ELEVATIONS

SHOT BY WESTERN GEOPHYSICAL, PTY. 362 DATE 3/82

SPREAD: 1584 m - 33 m, x 33 m - 1584 m
SOURCE: 2 kg of 18 m.
RECEIVERS: GEOSPACE 200, 10 Hz, 9 OVER 53 m.
SOURCE INTERVAL: 132 m GROUP INTERVAL: 33 m

AMPLIFIERS: DFS V FIELD FILTER: 8-128 Hz NOTCH OUT
GAIN MODE: IFP TAPE FORMAT: SEG B

SURFACE IN TIME

PROCESSED AT GEO-X DATE 6/82

1 DIGITAL CONVERSION SAMPLE RATE 2 ms
2 AMPLITUDE RECOVERY A=t²

PREFILTER
3 DECONVOLUTION TYPE SPIKING
OPERATOR LENGTH 60 ms PREWHITENING 1%
DESIGN GATE 400-2400 ms SLOPING
4 STRUCTURAL CORRECTIONS
DATUM SEA LEVEL DATUM VELOCITY 3506 m/ms
PROCESSING DATUM -250 ms.
☒ ELEVATIONS ☒ WEATHERING ☒ DRIFT
10 ANALYSIS STATISTICAL SURFACE CONSISTENT STATICS
5 11 MOVEOUT 5 PRELIMINARY (11) FINAL
6 SCALING
7 12 STATICS (7) SURFACE STACK RESIDUAL
(12) CROSS CORRELATION
( )
8 WORK SECTION DISPLAY
9 TRACE KILLS
13 MUTE DISTANCE (m) 364 924 3168
TIME (ms) 300 550-650 1700
14 GATHER FOLD 12
15 STACK STACK REEL
16 FILTER 16 12/6 80-90 Hz, 0-2500 ms
12/16 50/60 Hz 2500-4000 ms
17 ADDITIONAL PROCESSING
NEAR RAMP SCALING
1 MS 2-30 250-600, 2300, 3000-4000
100, 120, 250
18 EQUALIZATION 40-240 ms

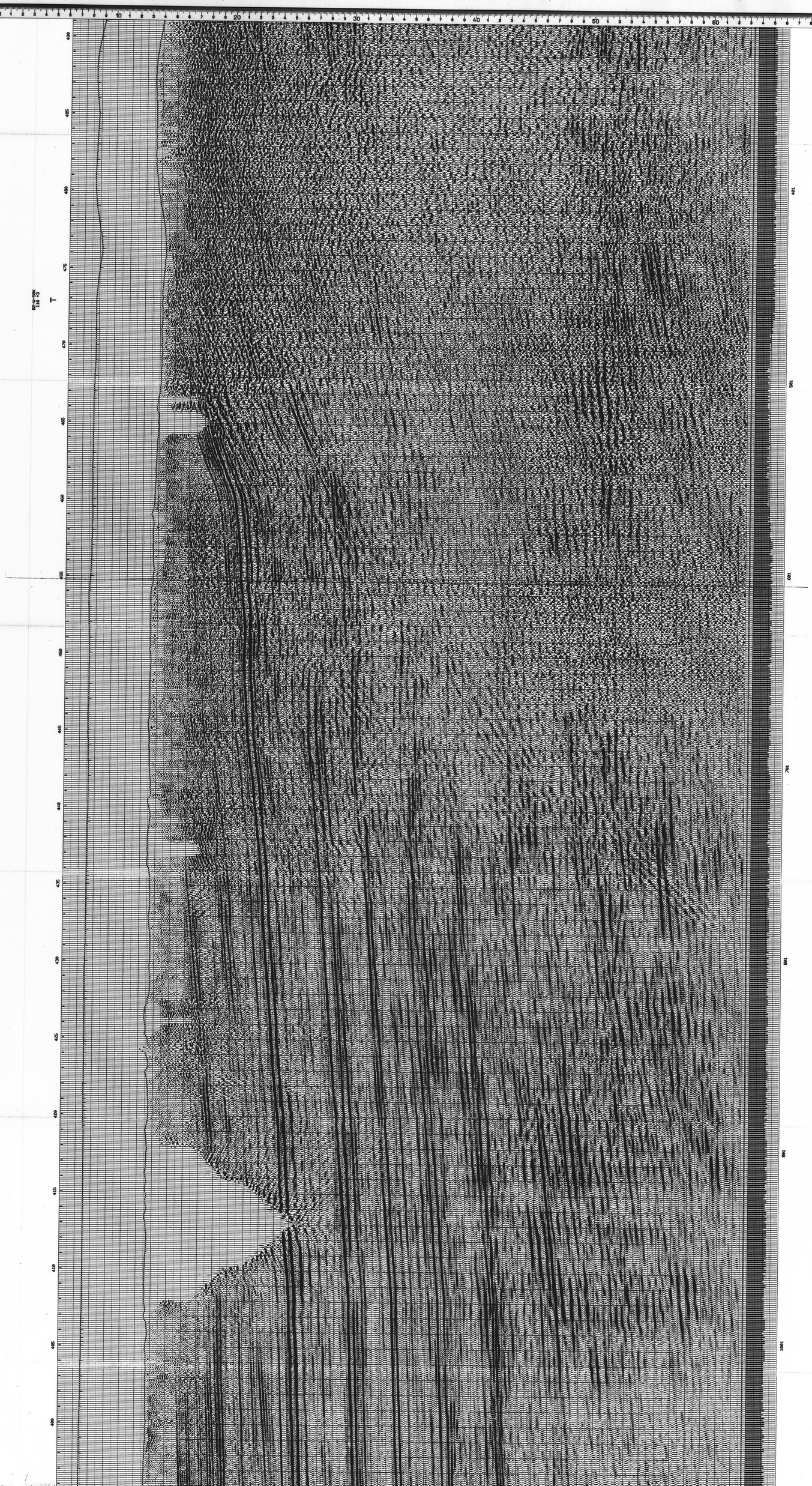
VELOCITY TABULATION FROM PROCESSING DATUM

[redacted]

terra
2300 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-8271
Telex: 053-3502 Cable: TERRA
PROJ. NO. 2 4 6 - 0 6 - 0 5 - 1 1 5
LINE NO. 8 2 - W - 1 7 X
PART NO. 1 OF 3
R.R. 8X

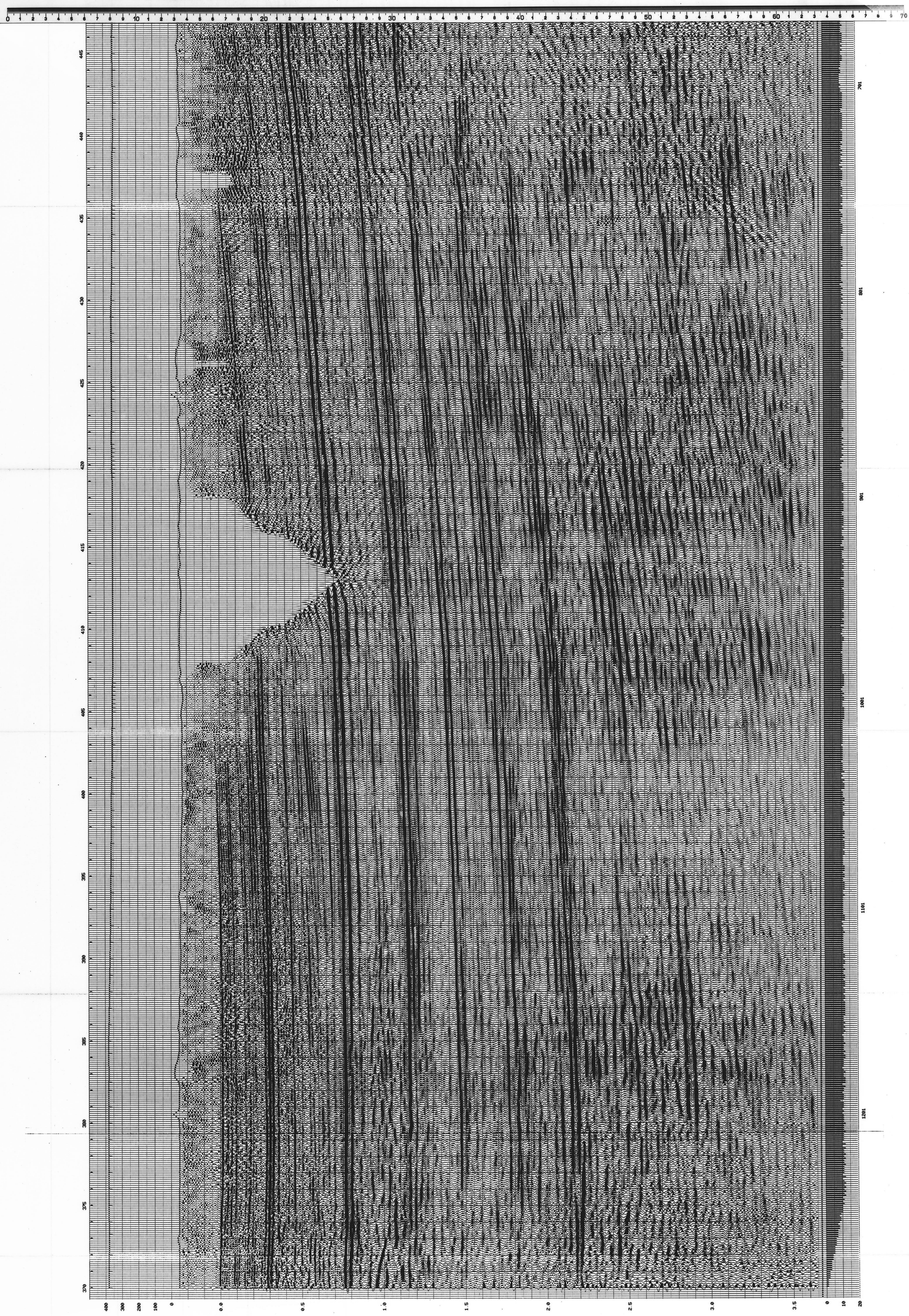
terra surveys ltd
2080 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3602 Cable: TERRA

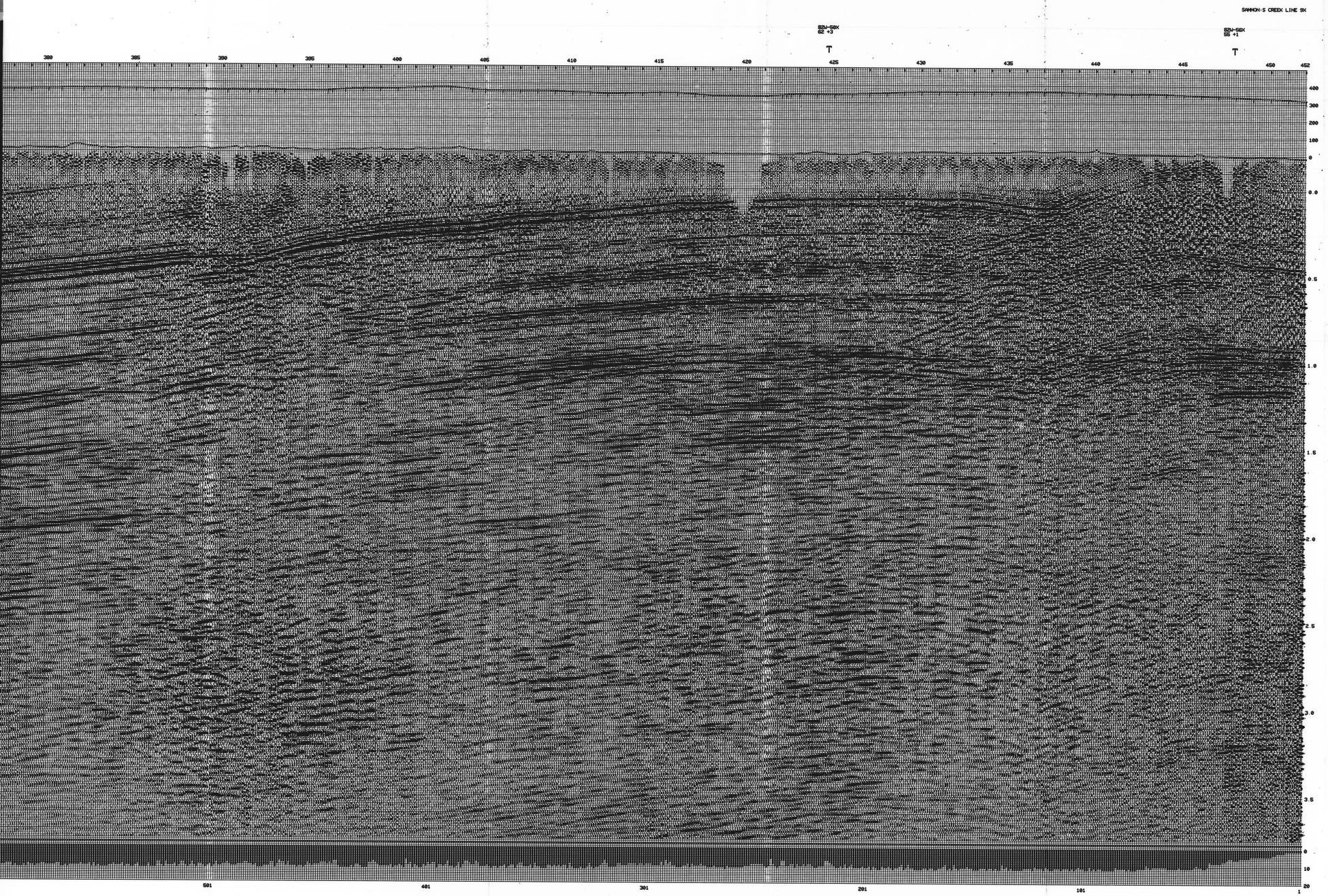
PROJ. NO. 246-06-05-115 LINE NO. 82-W-17X PART NO. 2 OF 3 R.R. 8X



terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 2 4 6 - 0 6 - 0 5 - 1 1 5 LINE NO. 8 2 - W - 1 7 X PART NO. 3 OF 3 R.R. 8X





246-06-05-115

GEO-X SYSTEMS LTD.
CALGARY ALBERTA

FLAG

LINE: 82-W-9X TYPE: S-NP
DIRECTION ——> N.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 106 H
CLIENT: PETRO-CANADA EXPLORATION INC.

SURFACE ELEVATIONS

SHOT BY WESTERN GEOPHYSICAL, PTY. 362 DATE 3/82

SPREAD: 1584 m - 33 m. x 33 m. - 1584 m.
SOURCE: 2 kg at 18 m.
RECEIVERS: GEOSPACE 200, 10 Hz, 9 OVER 53 m.
SOURCE INTERVAL: 132 m. GROUP INTERVAL: 33 m.

AMPLIFIERS: DFS V FIELD FILTER: 8-128 Hz NOTCH-OUT
GAIN MODE: IFP TAPE FORMAT: SEG B

SURFACE IN TIME

PROCESSED AT GEO-X DATE: 6/82

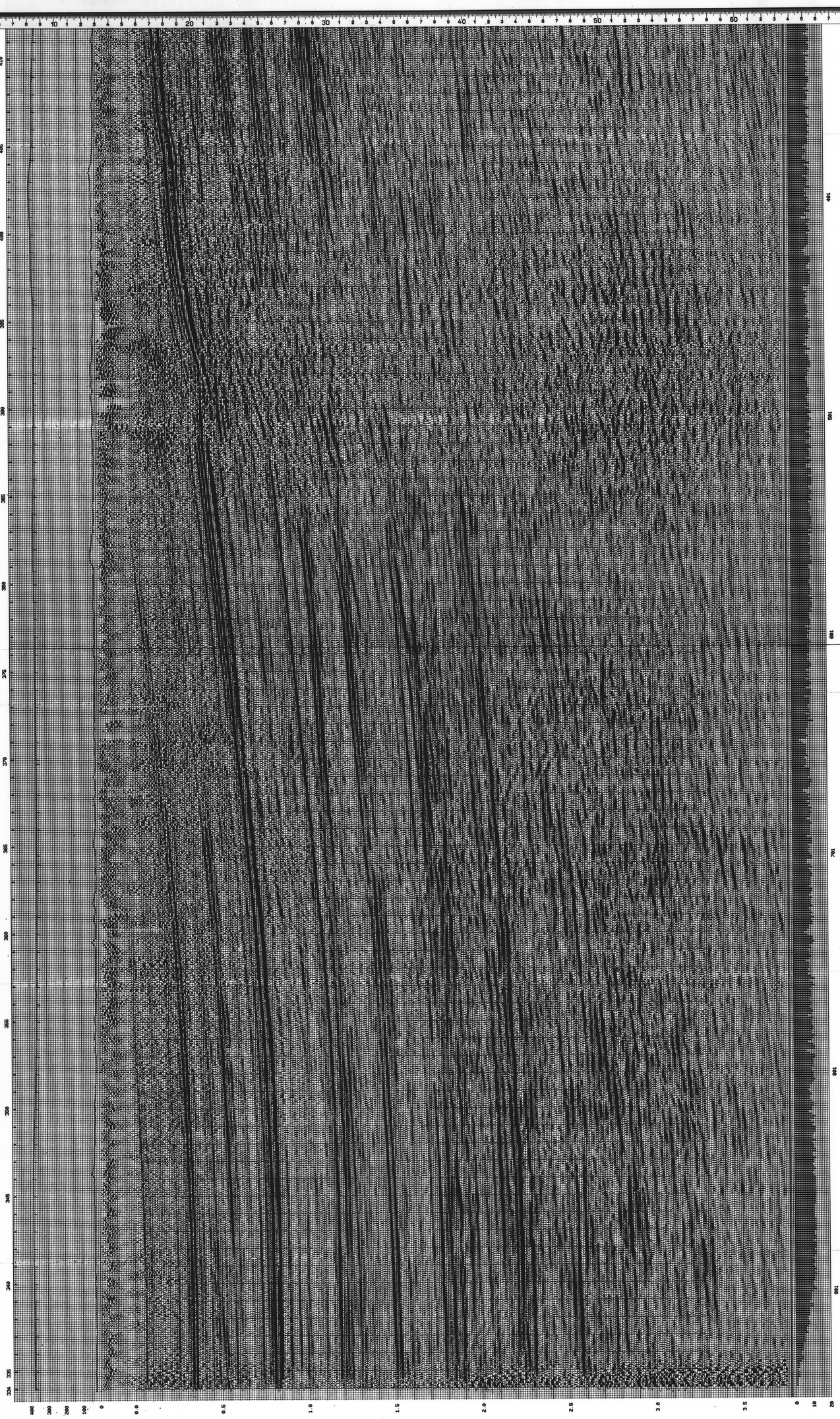
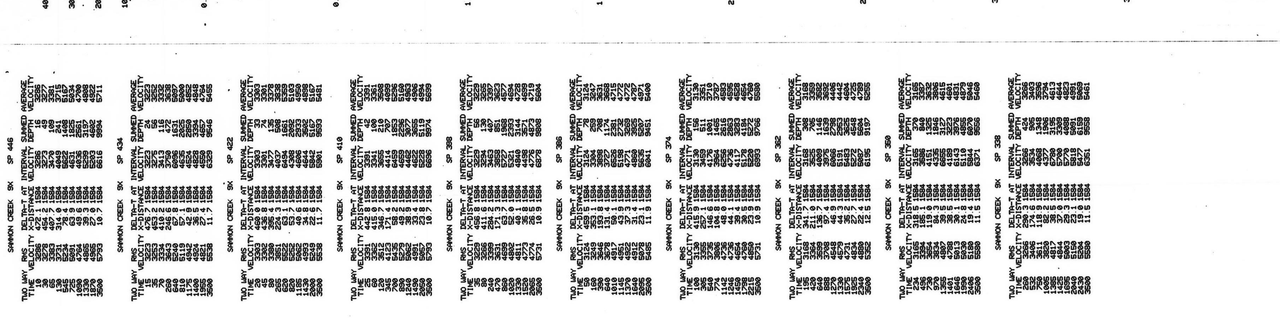
1 DIGITAL CONVERSION. SAMPLE RATE 2 ms.
2 AMPLITUDE RECOVERY $At^{1.5}$

PREFILTER
3 DECONVOLUTION. TYPE SPIKING
OPERATOR LENGTH 60 ms. PREWHITENING 1%
DESIGN GATE 400-2400 ms. SLOPING
4 STRUCTURAL CORRECTIONS
DATUM SEA LEVEL DATUM VELOCITY 3506 m./sec.
PROCESSING DATUM -200 ms.
[X] ELEVATIONS [X] WEATHERING [X] DRIFT
10 ANALYSIS STATISTICAL SURFACE CONSISTENT STATICS
5 11 MOVEOUT (5) PRELIMINARY (11) FINAL
6 SCALING
7 12 STATICS (7) SURFACE STACK RESIDUAL
(12) CROSS CORRELATION
( )
8 WORK SECTION DISPLAY
9 TRACE KILLS
13 MUTE DISTANCE (m.): 314 924 3168
TIME (ms.): 300 550-650 1700
14 GATHER FOLD 12
15 STACK STACK REEL
16 FILTER (16) 12/16-80/90 Hz, 0-2500 ms
( ) 12/16 50/60 Hz, 2500-4000 ms
( )
17 ADDITIONAL PROCESSING
NEAR RAMP SCALING
TIME 0-130, 250-1600, 2300, 3000-4000
% SCALE 100, 120, 250
18 EQUALIZATION 400-2400 ms

VELOCITY TABULATION FROM PROCESSING DATUM

PR3/4

2080 Wesley Rd. Ottawa, Ont.
Ont. K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA
PROJ. NO. 246-06-05-115
LINE NO. 82-W-9X
PART NO. 1 OF 2
R.R. 8X

terra survey inc.
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 2 4 6 - 0 6 - 0 5 - 1 1 5 LINE NO. 8 2 - W - 9 X PART NO. 2 OF 2 R.R. 8X