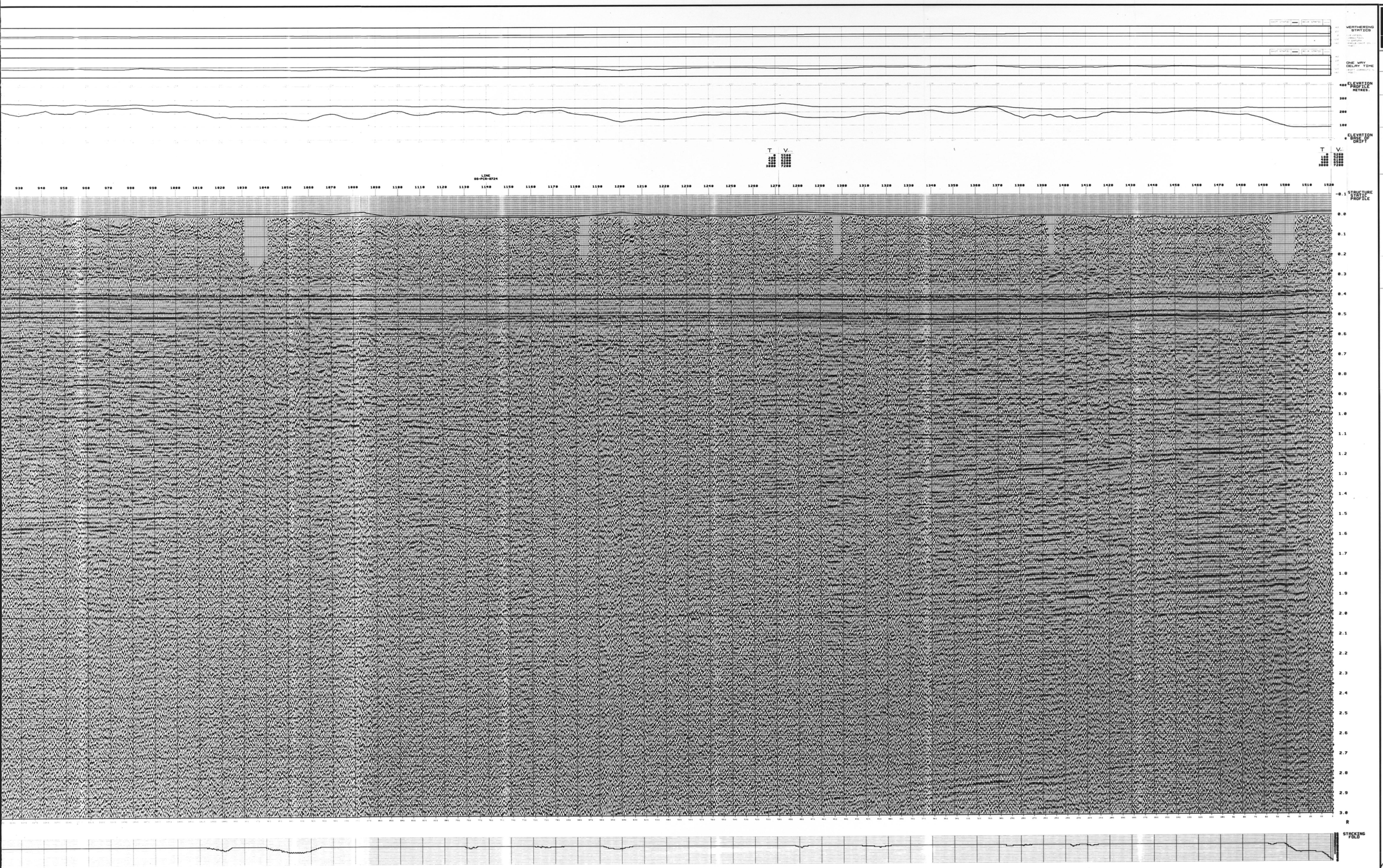


46939 RJ49-02

VERITAS SEISMIC LT[redacted]

9229 - P28-13E

REVERSE TO FIELD POLARITY STRUCTURE SECTION

LINE NO: 8717

AREA: COLVILLE N.W.T.
DIRECTION: NORTH
DATUM: 30[redacted] VR: 6000 m/s

PROCESSED FOR[redacted]
PETRO-CANADA

DATE PROCESSED: MARCH 1986 DATE SHOT: MARCH 1986
SHOT BY: WESTERN GEOPHYSICAL CO.

FIELD PARAMETERS

SOURCE TYPE	VIBROSEIS LRS-309	GEOPHONE TYPE	LRS 1011 14 Hz
SOURCE INTERVAL	40 m	GROUP INTERVAL	20 m
SOURCE LAYOUT	3 VIBS./40 m	GEOPHONE LAYOUT	9 over 20 m
SWEEP SPECTRUM	20 - 100 Hz	SWEEP LENGTH	6 s
INSTRUMENTATION	DFS V	GAIN MODE	I. F. P.
FIELD FILTER	8/120 Hz Notch Out	COVERAGE	2400 %
RECORD LENGTH	9 s	SAMPLE INTERVAL	2 ms
SPREAD TRACE	1 - 48 VP 49 - 96		
DISTANCE	1020 - 80 80 - 1020 m		

DISPLAY PARAMETERS

TRACES/INCH 24 INCHES/SECOND 7.5

PROCESSING PARAMETERS

1. DEMULTIPLEX
   Recorded Length 3000 ms Sample Rate 2 ms
   Processed Length 3000 ms Sample Rate 2 ms
2. CORRELATION
3. AMPLITUDE RECOVERY - AGC (150 ms window)
4. GEOMETRY - STRAIGHT LINE
5. DEPHASING - GEOPHONE
6. DECONVOLUTION - ZERO PHASE FREQUENCY DOMAIN
   Autocorrelation 120 ms Prewhitening 1.0 %

FILTER	Distance	Design Gate	Appl. Gate
1	80 m	200 - 900	0 - 3000 ms
2	1020 m	400 - 1000	0 - 3000 ms

7. STRUCTURE STATICS - ELEVATION and DRIFT
   DRIFT CONTROL PROVIDED BY 48 TR. DYNAMITE REFRACTION RECORDS APPROX. EVERY 20 STN.
   Datum 305 m ASL.
   Replacement Velocity 6000 m/s
8. TRACE GATHER
9. NORMAL MOVEOUT
10. STATICS - AUTOMATIC SURFACE CONSISTENT
    Windows 200 - 1000 ms
11. FIRST BREAK MUTES
    Distance 200 1020 2040 m
    Mute 200 500 800 ms
12. STATICS - TRIM
    Correlation Window 300 - 800 ms
13. STACK
14. FILTER - TIME VARIANT DIGITAL BANDPASS
    FILTER 1 Pass Band 20/25 - 100/110 Appl. Gate 0 - 800 ms
    FILTER 2 Pass Band 20/25 - 70/80 Appl. Gate 800 - 1500 ms
    FILTER 3 Pass Band 20/25 - 60/70 Appl. Gate 1500 - 3000 ms
15. AMPLITUDE EQUALIZATION - AGC

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

PROJ. NO. 9229-P28-13E

LINE NO. 8717

PART NO. 1 OF 3

R.R. 10X

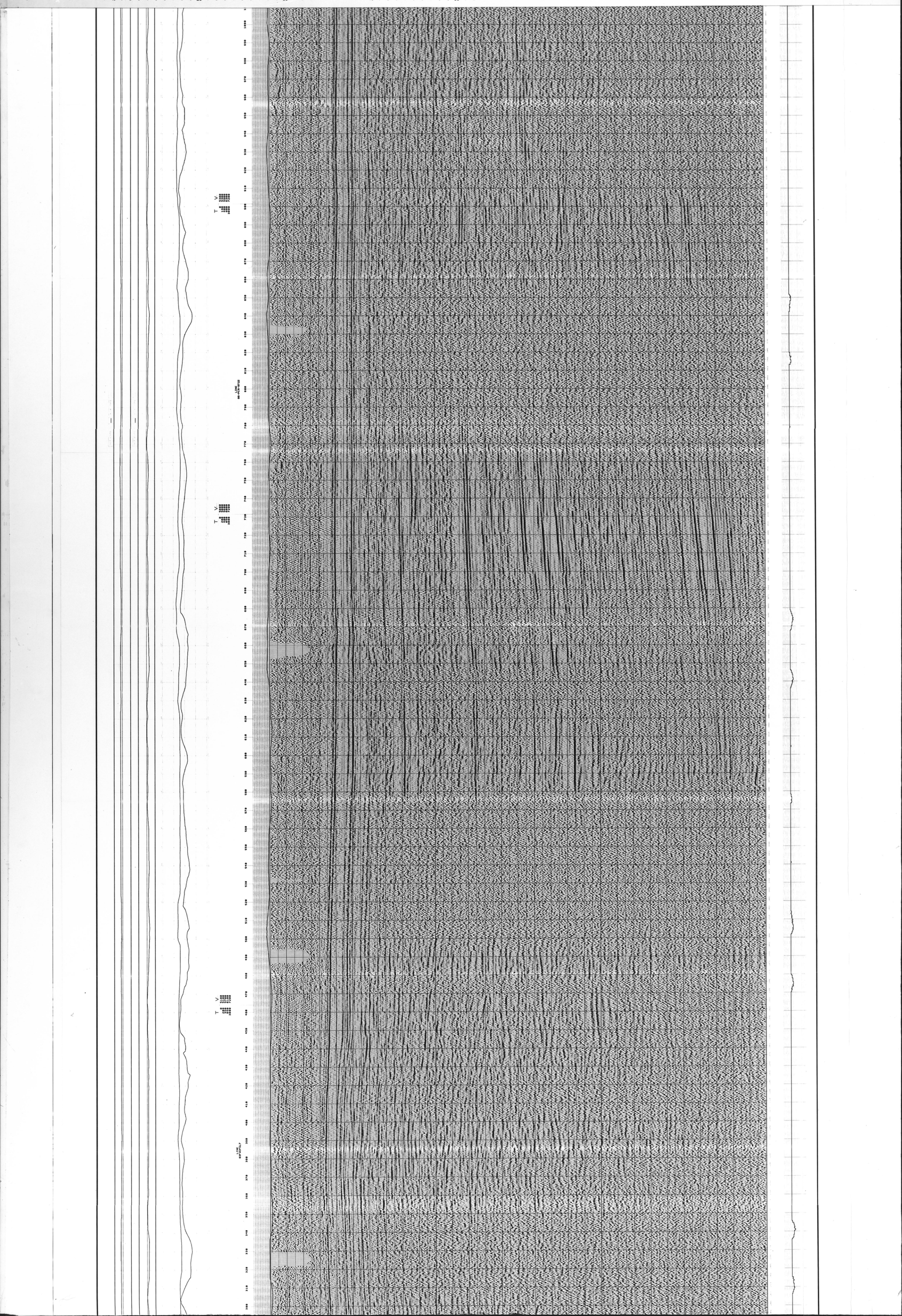
Terra Surveys Ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-P28-13E

LINE NO. 8717

PART NO. 2 OF 3

R.R. 10X



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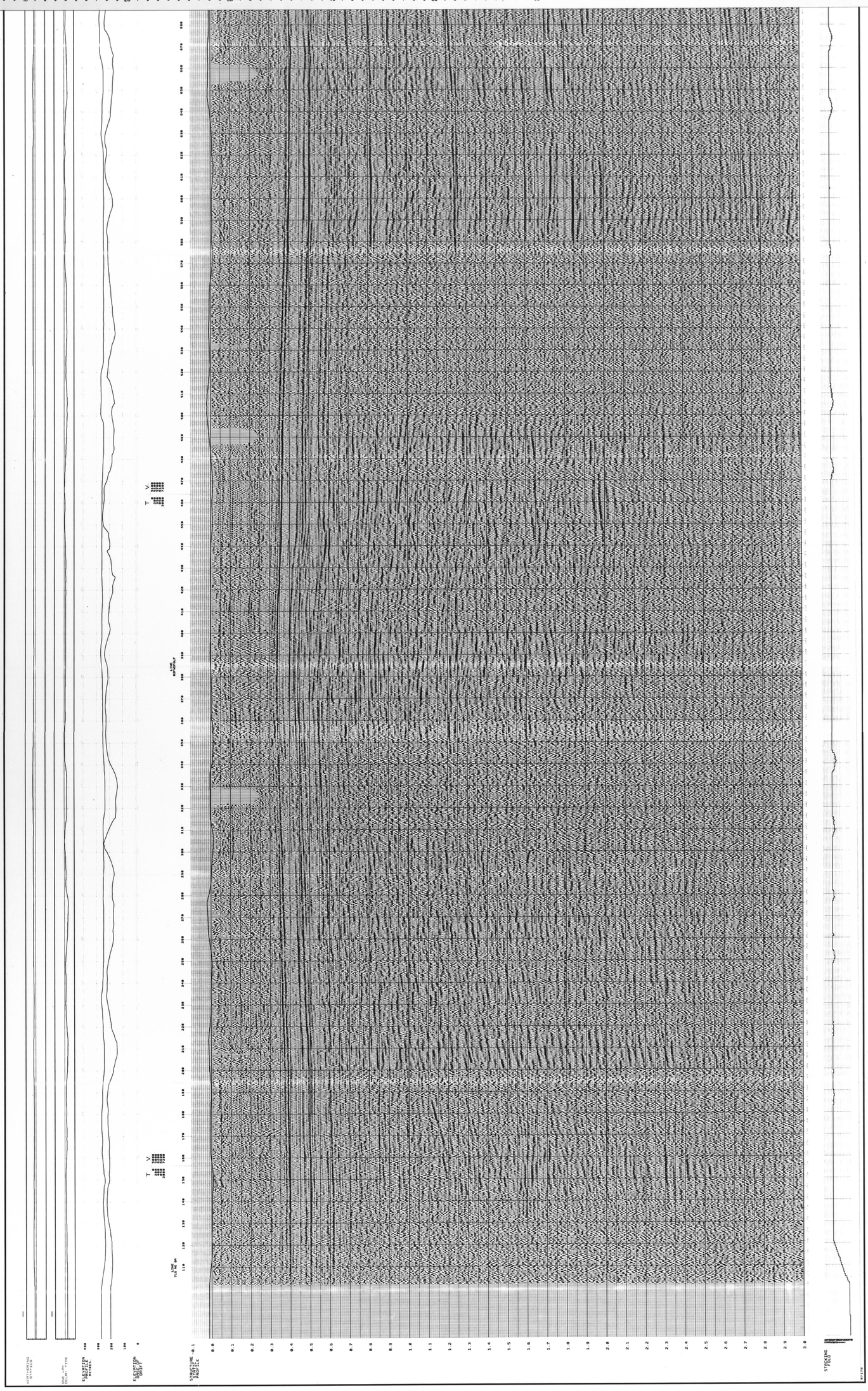
PROJ. NO. 9229-P28-13E LINE NO. 8717 PART NO. 3 OF 3 R.R. 10X