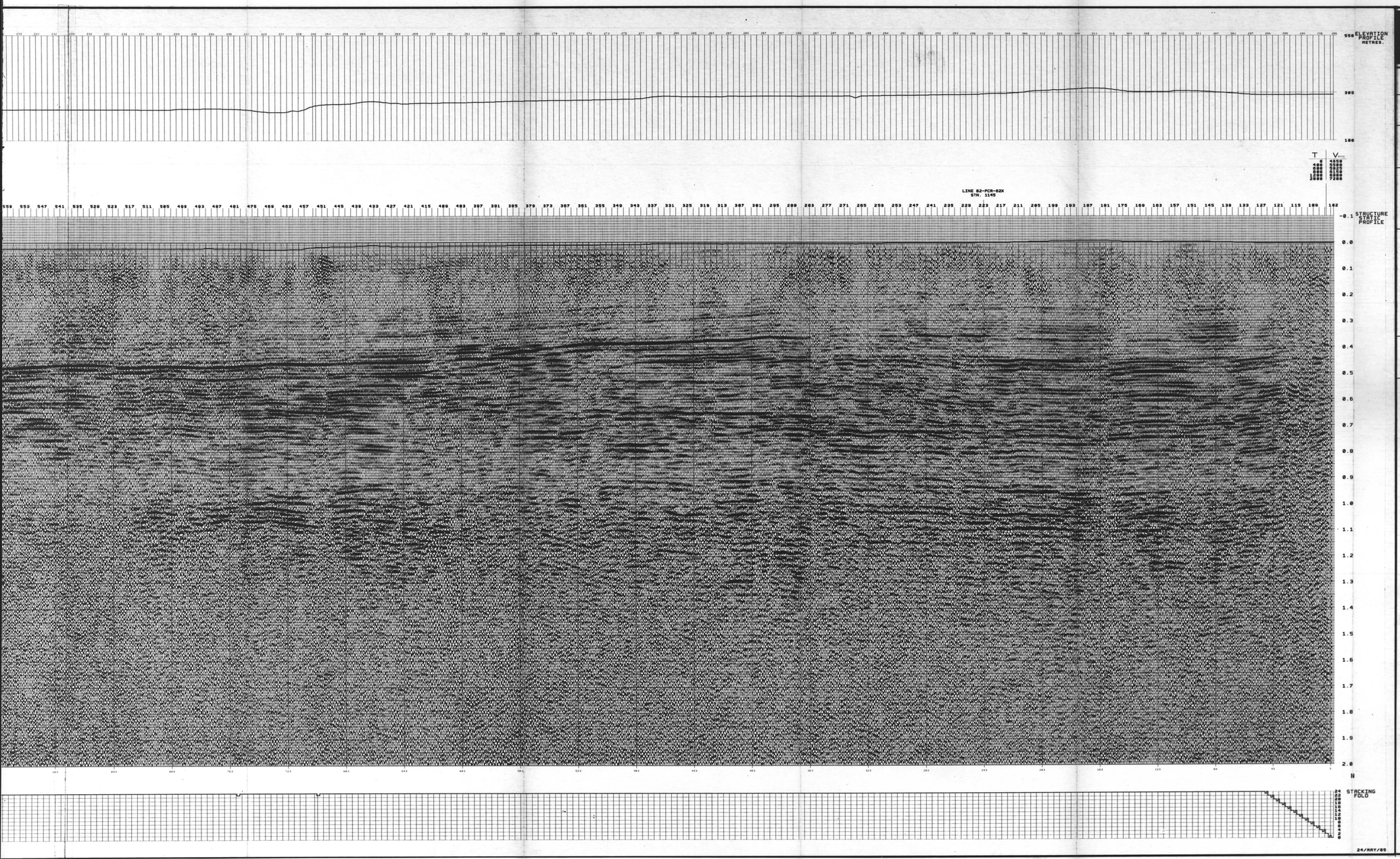


04204

VERITAS SEISMIC LT

FIELD POLARITY STRUCTURE SECTION

LINE NO: 8611

AREA: TWEED LAKE N.W.T.
DIRECTION: SOUTHEAST
DATUM: 305 m ASL. VR: 6000 m/s

PROCESSED FOR:

PETRO-CANADA

DATE PROCESSED: MAY 1985 DATE SHOT: FEB. 1985
SHOT BY: WESTERN GEOPHYSICAL LTD.

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	4 s
INSTRUMENTATION	DFS V	NO. of SWEEPS	6
FIELD FILTER	8/128 Hz Notch Out	COVERAGE	2400 %
RECORD LENGTH	7 s	SAMPLE INTERVAL	2 ms
SPREAD TRACE	1 - 48 SP	49 - 96	
DISTANCE	1020 - 80	80 - 1020 m	

DISPLAY PARAMETERS

TRACES/INCH 24 INCHES/SECOND 7.5

PROCESSING PARAMETERS

1. DEMULTIPLEX
   Recorded Length 7000 ms Sample Rate 2 ms
   Processed Length 2000 ms Sample Rate 2 ms
2. CORRELATION
3. AMPLITUDE RECOVERY - EXPONENTIAL FUNCTION
4. F/K FILTER - Reject = 5 ms/trace
5. DEPHASING - GEOPHONES ONLY
6. DECONVOLUTION - FREQUENCY
   Autocorrelation 120 ms Prewhitening 1.0 %

FILTER	Distance	Design Gate	Appl. Gate
1	80 m	150 - 800	0 - 2000 ms
2	1020 m	300 - 900	0 - 2000 ms

7. RESIDUAL AMPLITUDE ANALYSIS and APPLICATION
8. STRUCTURE STATICS - ELEVATION ONLY
   Datum 305 m ASL.
   Replacement Velocity 6000 m/s
9. TRACE GATHER
10. NORMAL MOVEOUT
11. STATICS - AUTOMATIC SURFACE CONSISTENT
    Windows 300 - 900 ms
12. FIRST BREAK MUTES
    Distance 240 1020 m
    Mute 200 500 ms
13. STATICS - TRIM
    Correlation Window 300 - 900 ms
14. STACK
15. FILTER - DIGITAL BANDPASS
    FILTER 1 Pass Band 30/35 - 90/100 Appl. Gate 0 - 2000 ms
16. AMPLITUDE EQUALIZATION - MEAN SCALE
    Window 250 - 1000 ms Appl. Point 500 ms
    Window 1000 - 2000 ms Appl. Point 1100 ms

2060 Walkley Rd.
Ottawa, Ont.
K1G 3P7
Tel: (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 92229-P28-7E

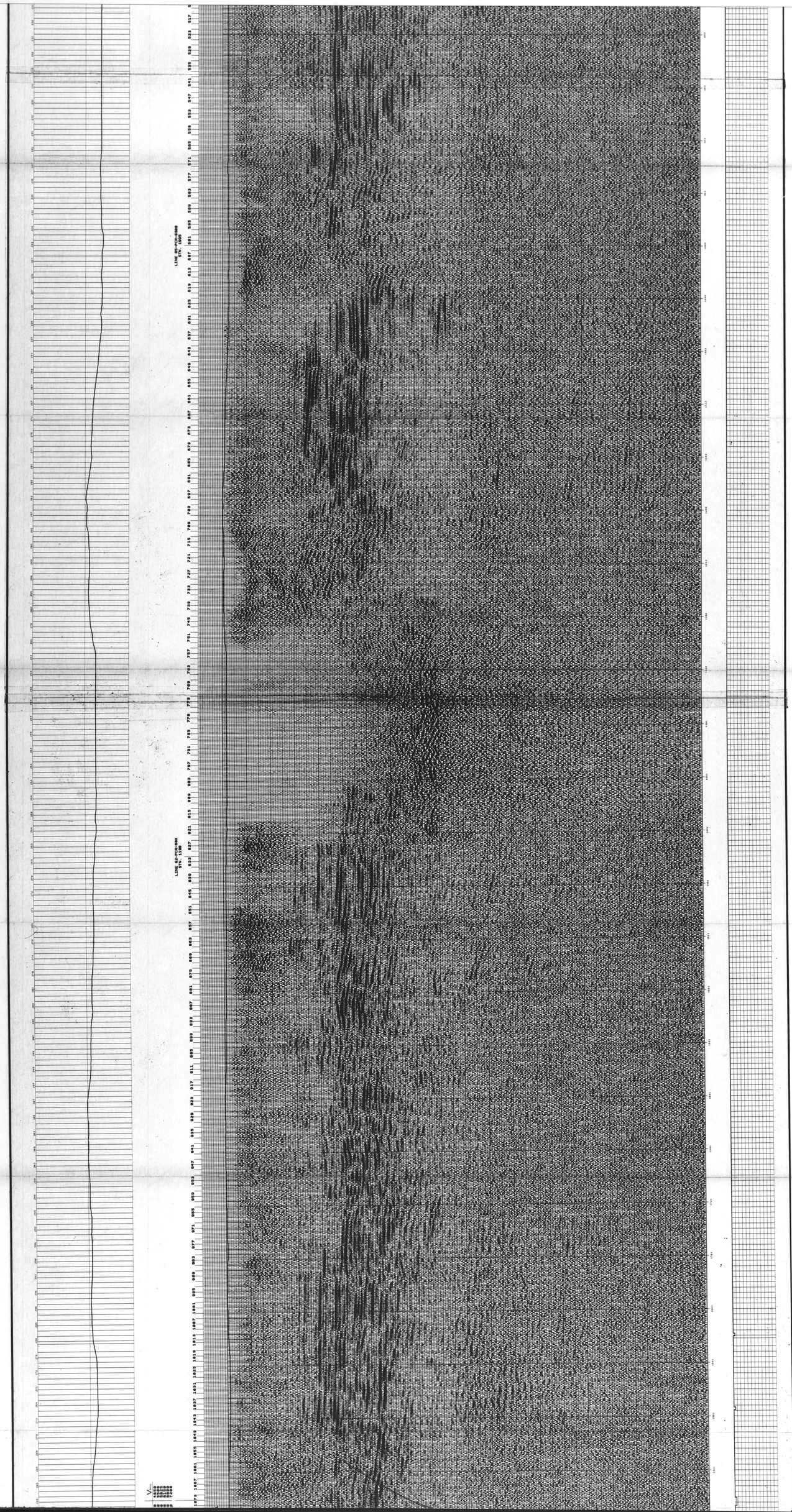
LINE NO. 8611

PART NO. 1 OF 4

R.R. 8X

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

PROJ. NO. 9229-P28-7E LINE NO. 8611 PART NO. 2 OF 4 R.R. 8X



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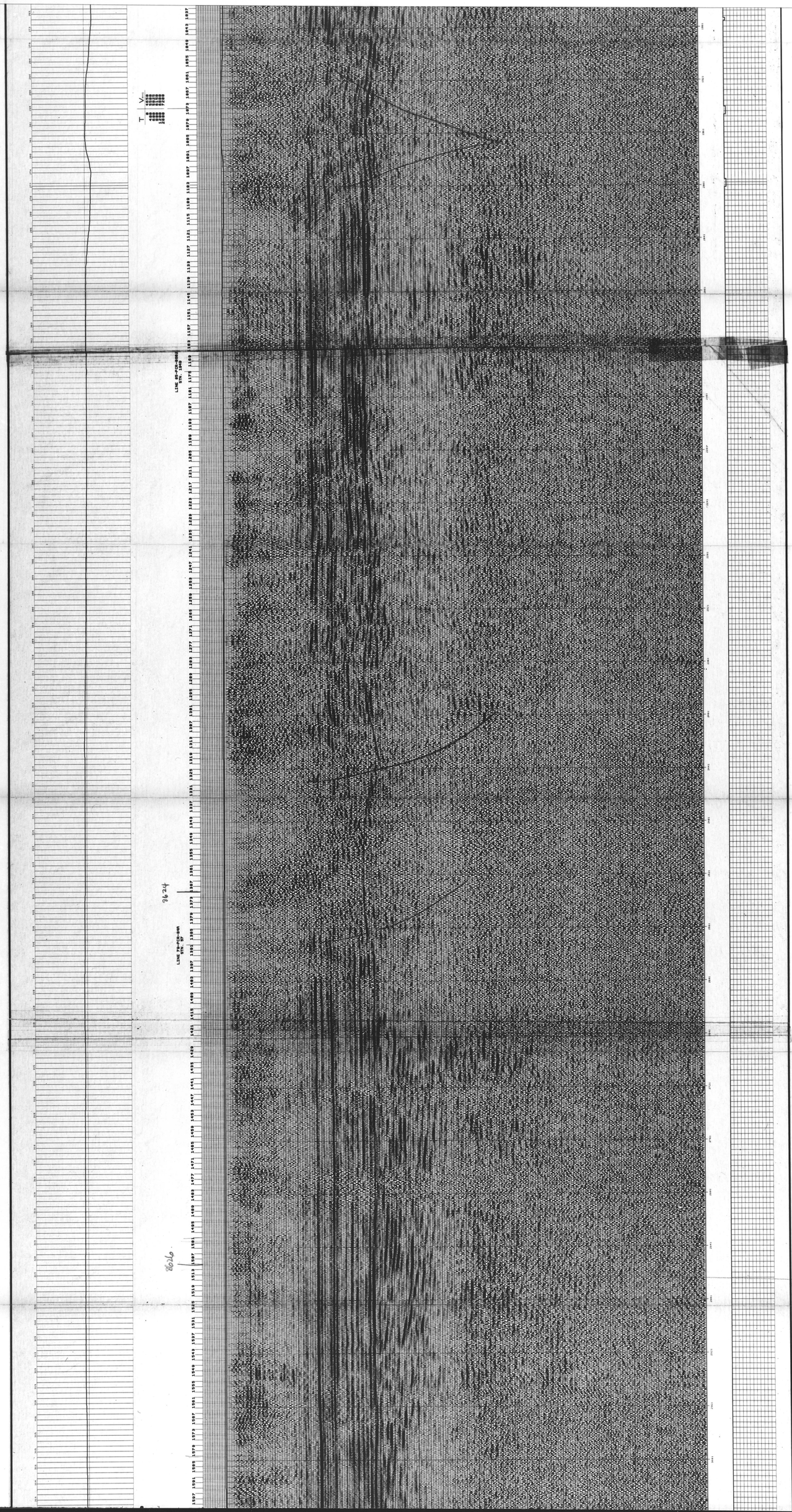
PROJ. NO. 9229-P28-7E LINE NO. 8611 PART NO. 3 OF 4 R.R. 8X



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PROJ. NO. 9 2 2 9 - P 2 8 - 7 E

LINE NO. 8 6 1 1

PART NO. 4 OF 4

R.R. 8X