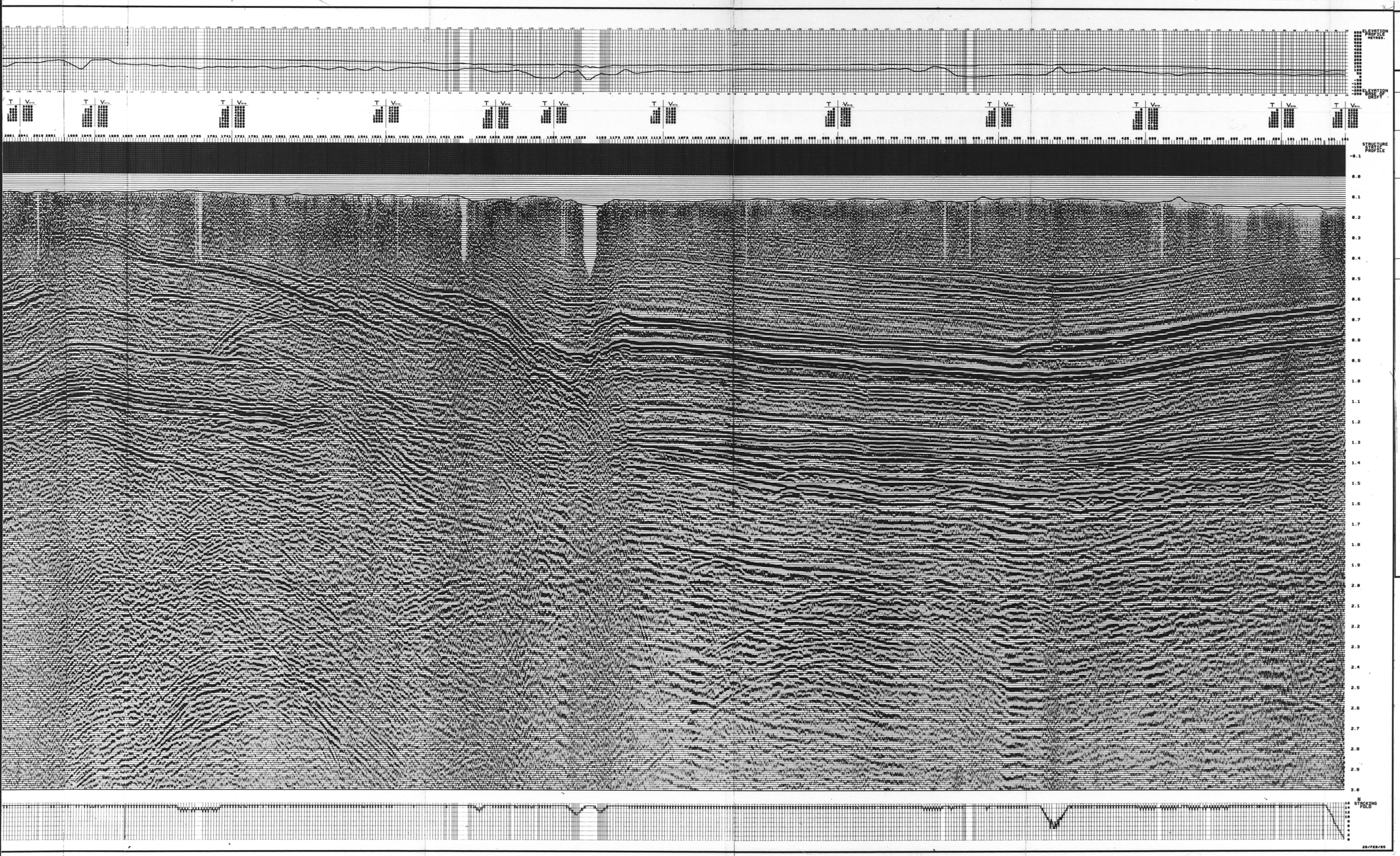
9229-S40-1P



SIGMA EXPLORATIONS (1978) LTD.
SUITE 725 CALGARY H'OUSE PHONE 264-7865
550 - 6TH AVENUE S.W., CALGARY, ALBERTA T2P 0S2

NORMAL POLARITY STRUCTURE SECTION

LINE NO: 85 - 03
AREA: MACKENZIE PLAIN (85)
DIRECTION: SOUTHEAST
DATUM: 400 M

PROCESSED BY:
BEAVER SEISMIC PROCESSORS

DATE PROCESSED: NOVEMBER, 1984 DATE SHOT: NOVEMBER, 1984
SHOT BY: BEAVER GEOPHYSICAL A DIVISION OF LINE RESOURCE INFORMATION INC.

FIELD PARAMETERS

SOURCE TYPE	DYNAMITE	INSTRUMENTATION	DFSV
CHARGE SIZE	2 X 1 KG.	GAIN MODE	IFP
PATTERN	2 @ 25 M APART	FIELD FILTER	12/120 NOTCH OUT
HOLE DEPTH	9 M	GROUP INTERVAL	25 M
SOURCE INTERVAL	100 M	GEOPHONE TYPE	MARK - 10 HERTZ
RECORD LENGTH	4 SECONDS	GEOPHONE LAYOUT	9 OVER 25 M
SAMPLE INTERVAL	2 MS	COVERAGE	1500 %

SPREAD TRACE 1 - 60 X 61 - 120
DISTANCE 1500 - 25 - X - 25 - 1500 M

DISPLAY PARAMETERS

TRACES/INCH 60 INCHES/SEC 7.5

PROCESSING PARAMETERS

1. DEMULTIPLEX

	SAMPLE RATE	RECORD LENGTH
RECORDED	2 MS	4 SECOND
PROCESSED	2 MS	3 SECOND

2. RELATIVE TRUE AMPLITUDE RECOVERY
   EXPONENTIAL DECAY AND DISTANCE DEPENDENT RESIDUAL ANALYSIS
3. INSTRUMENT AND GEOPHONE DEPHASING
4. DECONVOLUTION - SPIKING
   OPERATOR 80 MS PREWHITENING 1.0 %
   FILTER DESIGN GATE 200 - 2000 MS @ 25 M APPL. GATE 0 - 4000 MS
   FILTER DESIGN GATE 600 - 2000 MS @ 1500 M APPL. GATE 0 - 4000 MS
5. TRACE GATHER
6. VELOCITY ANALYSIS
7. NORMAL MOVEOUT
8. STRUCTURE STATICS - DRIFT CORRECTION
   DATUM ELEVATION 400 M
   REPLACEMENT VELOCITY 3700 M/SEC
9. STATICS - AUTOMATIC SURFACE CONSISTENT
   WINDOW (500 - 1900) MS
10. FIRST BREAK MUTES
    DISTANCE (220 225 1500 3000) M
    TIME (0 400 700 1100) MS
11. TRIM STATICS
    WINDOW (500 - 1000) MS
12. STACK
    15 FOLD
13. FILTER - DIGITAL BANDPASS
    PASS BAND 10/22 - 80/90 APPL. GATE 0 - 1500 MS
    10/15 - 50/60 APPL. GATE 1700 - 4000 MS
14. AMPLITUDE EQUALIZATION -
    DATA INDEPENDENT SCALING

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Cable: TERRA
PROJ. NO. 9229-S40-1P
LINE NO. 85-03
PART NO. 1 OF 2
R.R. 10X

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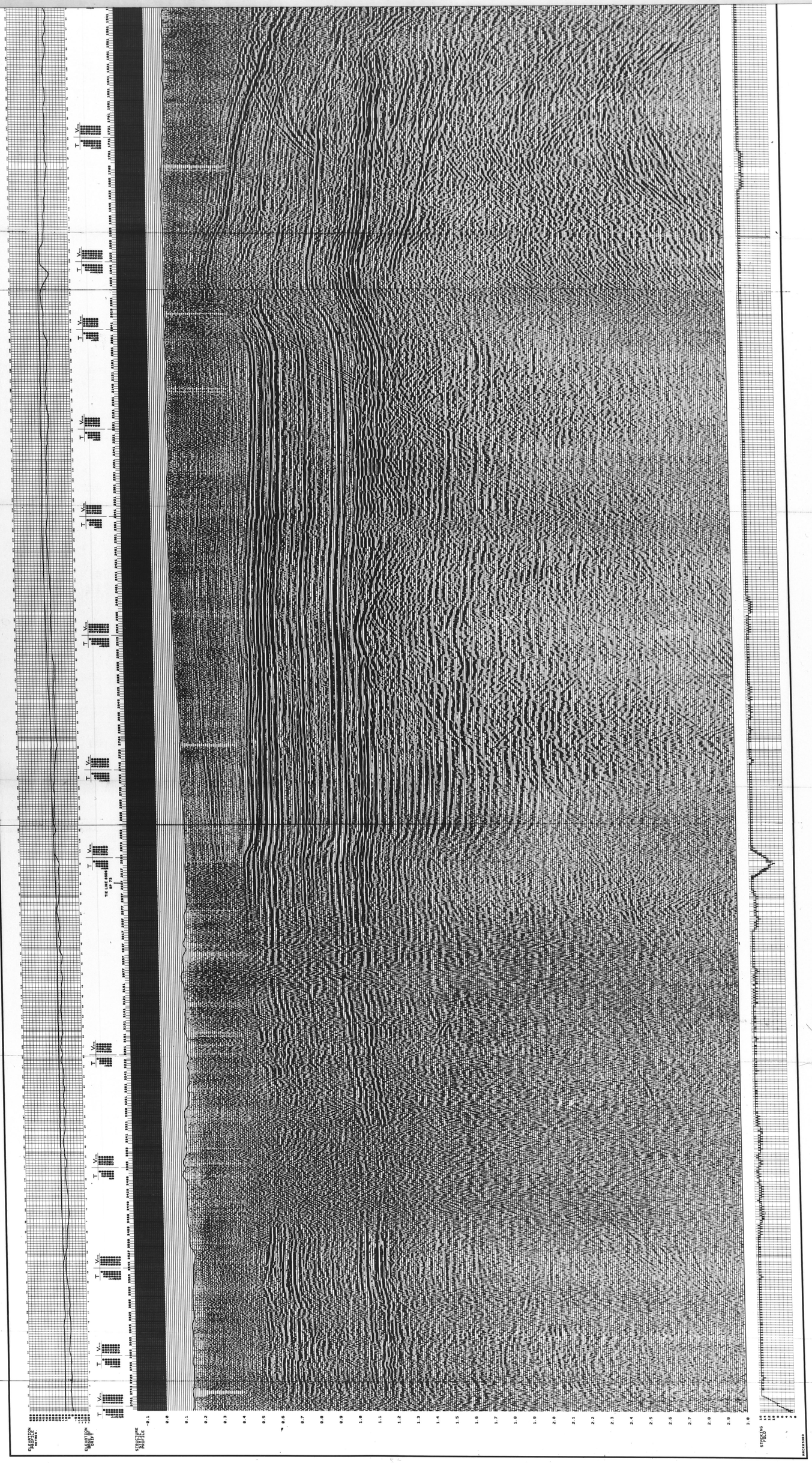
PROJ. NO. 9229-S40-1P LINE NO. 85-03 PART NO. 2 OF 2 R.R. 10X