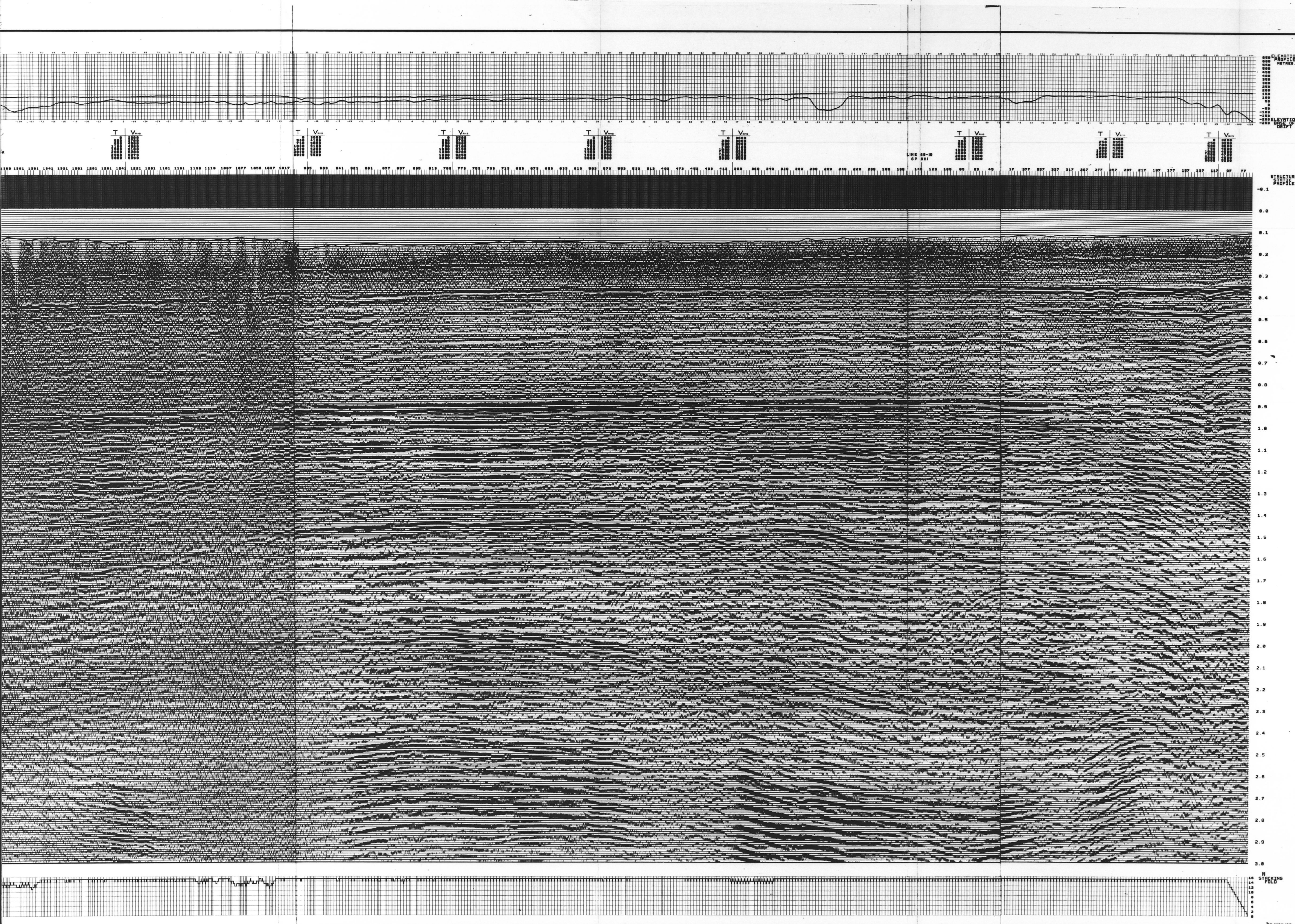




SIGMA EXPLORATIONS (1978) LTD.
SUITE 725 CALGARY HOUSE PHONE 264-7865
550 - 6TH AVENUE S.W. CALGARY, ALBERTA T2P 0Y2

**NORMAL POLARITY
STRUCTURE SECTION**

LINE NO: 85 - 7B
AREA: MACKENZIE PLAIN (85)
DIRECTION: NORTH
DATUM: 400 M

PROCESSED BY:
 BEAVER SEISMIC PROCESSORS
 DATE PROCESSED: FEBRUARY, 1985 DATE SHOT: FEBRUARY, 1985
 SHOT BY: BEAVER GEOPHYSICAL A DIVISION OF
 LINE RESOURCE INFORMATION INC.

FIELD PARAMETERS

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

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

DISPLAY PARAMETERS

TRACES/INCH 80 INCHES/SEC 7.5

PROCESSING PARAMETERS

- | | | | |
|----|--|------------------------|------------------------|
| 1 | DENUMULPLEX | | |
| | RECORDED | 2 MS | RECORD LENGTH |
| | PROCESSED | 2 MS | 4 SECOND |
| | | | 3 SECOND |
| 2 | RELATIVE TRUE AMPLITUDE RECOVERY | | |
| | EXPONENTIAL DECAY AND DISTANCE DEPENDENT RESIDUAL ANALYSIS | | |
| 3 | INSTRUMENT AND GEOPHONE DEPHASING | | |
| 4 | DECONVOLUTION - SPIKING | | |
| | OPERATOR | 40 MS | PREDICTINGTIME 1.0 Z |
| | FILTER DESIGN GATE | 200 - 3000 MS ± 20 % | |
| | FILTER DESIGN GATE | 400 - 2000 MS ± 1500 H | APPL. GATE 0 - 6000 MS |
| | | | APPL. GATE 0 - 6000 MS |
| 5 | TRACE GATHER | | |
| 6 | VELOCITY ANALYSIS | | |
| 7 | NORMAL MOVEOUT | | |
| 8 | STRUCTURE STATISTICS - DRIFT CORRECTION | | |
| | DATA/ELEVATION | 400 H | |
| | REPLACEMENT VELOCITY | 3700 M/SEC | |
| 9 | STATISTICS - AUTOMATIC SURFACE CONSISTENT | | |
| | WINDOW | 1500 - 1500 H | |
| 10 | FIRST BREAK NUTES | | |
| | TIME | 220 225 1500 3000 1 H | |
| | | 1 4 400 700 1200 1 H | |
| 11 | TRM STATISTICS | | |
| | WINDOW | 1500 - 1000 H | |
| 12 | STACK | | |
| | 15 FOLD | | |
| 13 | FILTER - DIGITAL BANDPASS | | |
| | PASS BAND 16/22 - 80/80 | | |
| | 16/15 - 10/50 | | |
| | APPL. GATE 0 - 1500 MS | | |
| | APPL. GATE 1700 - 9000 MS | | |
| 14 | AMPLITUDE EQUALIZATION - | | |
| | DATA INDEPENDENT SCALING | | |

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