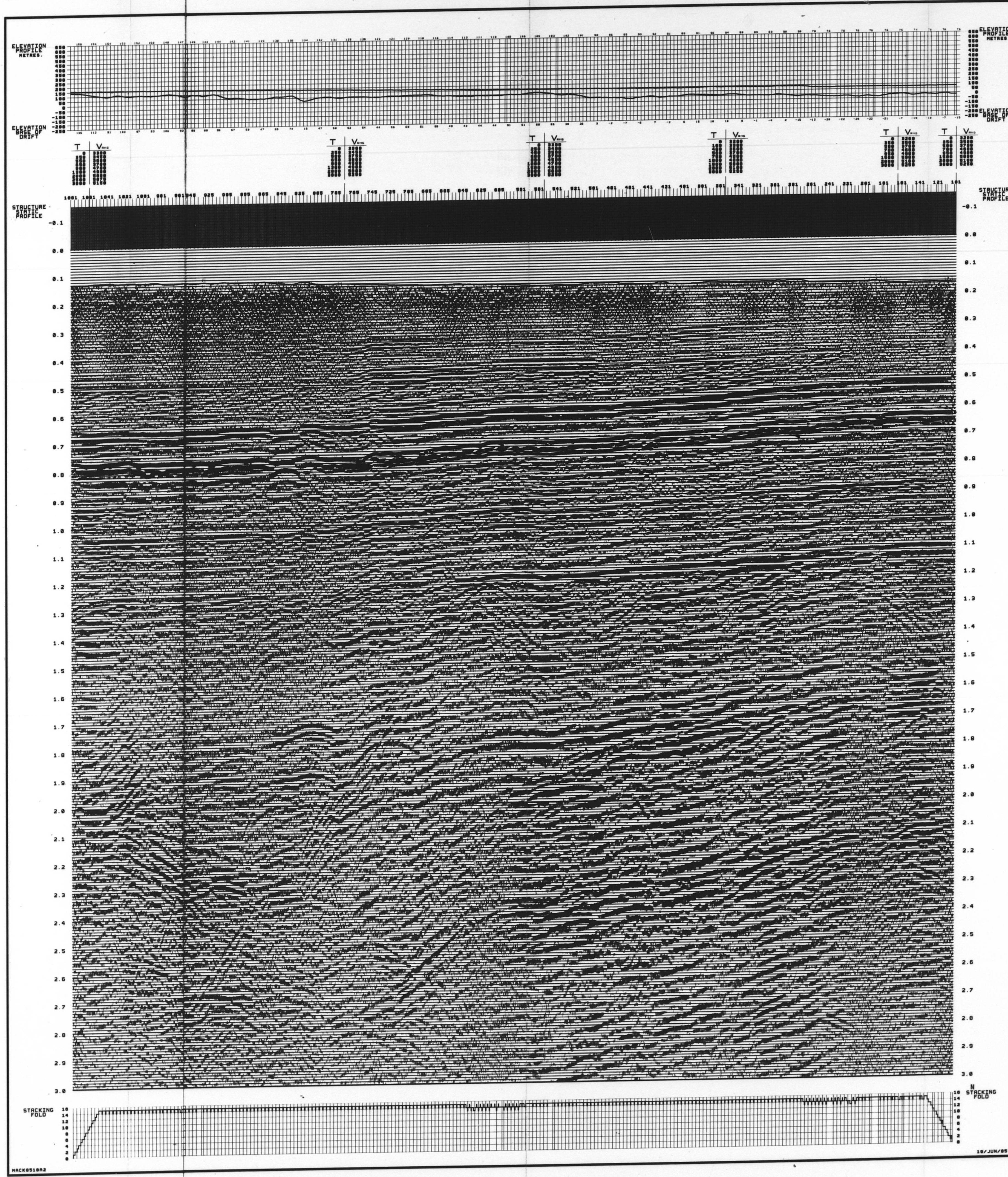




**SIGMA EXPLORATIONS (1978) LTD.**  
SUITE 700 CALGARY HOUSE, 1000 20A-100  
100-100 AVENUE SW., CALGARY, ALBERTA T2P 0S2

**NORMAL POLARITY  
STRUCTURE SECTION**

LINE NO: 85 - 18A  
AREA: MACKENZIE PLAIN (85)  
DIRECTION: NORTHEAST  
DATUM: 400 M

PROCESSED BY:  
BEAVER SEISMIC PROCESSORS

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

**FIELD PARAMETERS**

| SOURCE TYPE     | INSTRUMENTATION | DFSY            |
|-----------------|-----------------|-----------------|
| DYANITE         | 2 X 1 K5.       | 1PP             |
| CHARGE SIZE     | 2 x 25 M APART  | FIELD FILTER    |
| PATTERN         | 9 M             | GROUP INTERVAL  |
| HOLE DEPTH      | 100 M           | GEOPHONE TYPE   |
| SOURCE INTERVAL | 4 SECONDS       | GEOPHONE LAYOUT |
| RECORD LENGTH   | 2 MS            | COVERAGE        |

SPREAD TRAC 1 - 80 2 81 - 120  
DISTANCE 1500 - 25 - 2 - 25 - 1500 M

**DISPLAY PARAMETERS**

| TRACES/INCH | INCHES/SEC |
|-------------|------------|
| 80          | 7.5        |

**PROCESSING PARAMETERS**

- 1 DEMULTIPLY  
SAMPLE RATE 2 MS  
RECORDED 2 MS  
PROCESSED 2 MS  
RECORD LENGTH 4 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 Z  
FILTER DESIGN GATE 200 - 2000 MS x 25 H  
APPL. GATE 0 - 4000 MS  
FILTER DESIGN GATE 500 - 2000 MS x 1500 H  
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 - 1000 ) 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 - 80/50  
10/15 - 50/60  
APPL. GATE 0 - 1500 MS  
APPL. GATE 1700 - 4000 MS
- 14 AMPLITUDE EQUALIZATION -  
DATA INDEPENDENT SCALING

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