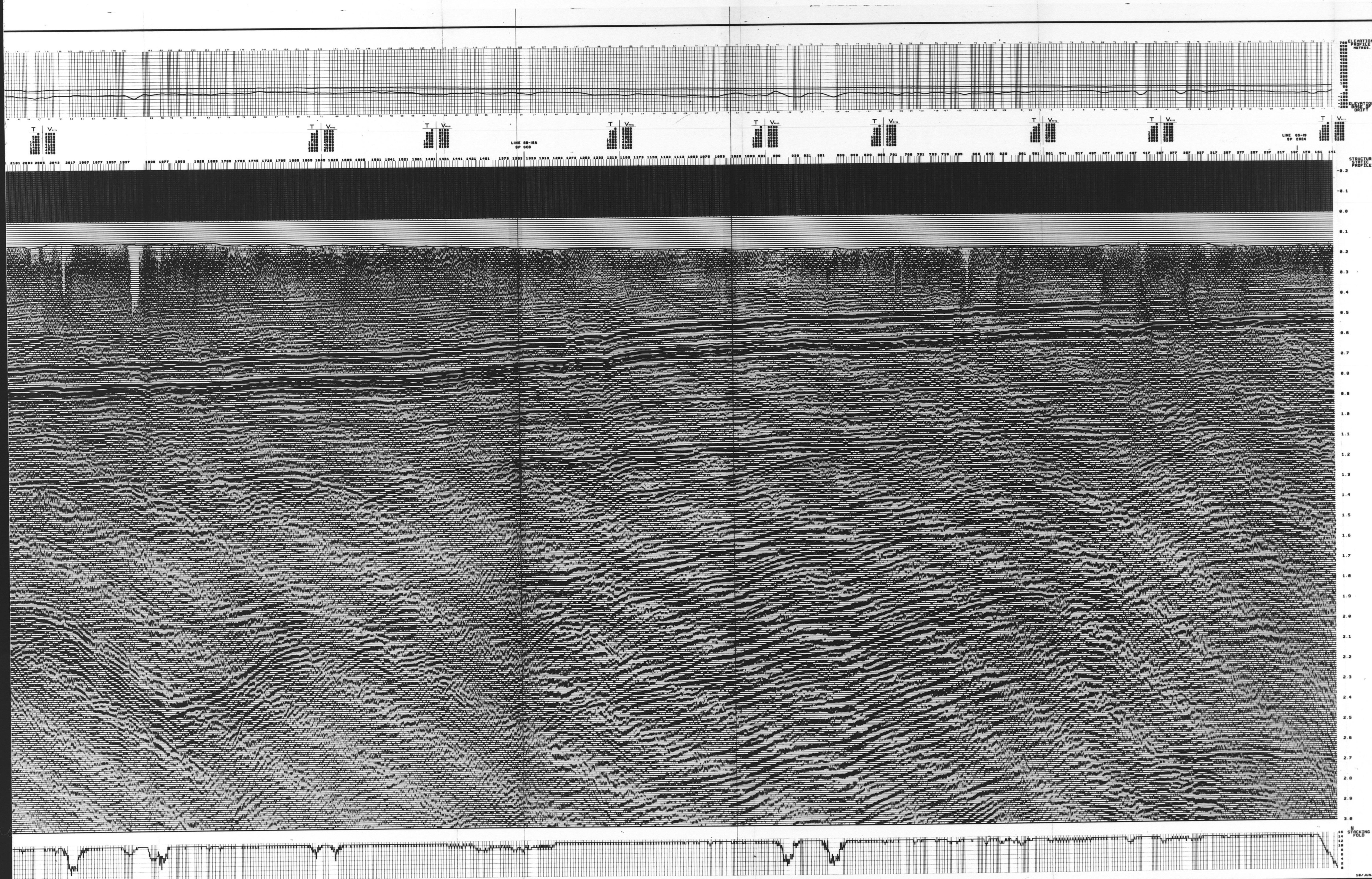




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SIGMA EXPLORATIONS (1979) LTD.
SUITE 104 CALGARY, ALBERTA T2P 1B8
PHONE (403) 243-1111
FAX (403) 243-1112

**NORMAL POLARITY
STRUCTURE SECTION**

LINE NO: 85 - 21
AREA: MACKENZIE PLAIN (85)
DIRECTION: NORTH
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	DYNAMIC	INSTRUMENTATION	DPV
CHARGE SIZE	2 x 1 KG.	SAEN MODE	DPV
WIRETYPE	2 x 25 M SPHT	FIELD FILTER	12/12H NOTCH OUT
HOLE DEPTH	0 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	100% ±

SPREAD TRACE 1 - 60 x 8 61 - 120
DISTANCE 1000 - 25 - 5 - 25 - 1000 M

DISPLAY PARAMETERS

TRACES/INCH	80	INCHES/SEC	7.5
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PROCESSING PARAMETERS

- 1 DEMULTIPLY
SAMPLE RATE 2 MS
RECORDED 2 MS
PROCESSED 2 MS
- 2 RELATIVE TRUE AMPLITUDE RECOVERY
EXPONENTIAL, DECT AND DISTANCE DEPENDENT RESIDUAL ANALYSIS
- 3 INSTRUMENT AND GEOPHONE DEPHASING
- 4 DECONVOLUTION - SPIKING
OPERATOR 80 MS PREWHITENING 1.0 Z
FILTER DESIGN GATE 100 - 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 1 500 - 1000 1 MS
- 10 FIRST BREAK MUTES
DISTANCE 1 220 225 1500 3000 1 M
TIME 1 0 400 700 1100 1 MS
- 11 TRIM STATICS
WINDOW 1 500 - 1000 1 MS
- 12 STACK
15 FOLD
- 13 FILTER - DIGITAL BANDPASS
PASS BAND 16/22 - 80/100
18/15 - 50/60
APPL. GATE 0 - 1500 MS
APPL. GATE 1700 - 4000 MS
- 14 AMPLITUDE EQUALIZATION -
DATA INDEPENDENT SCALING

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