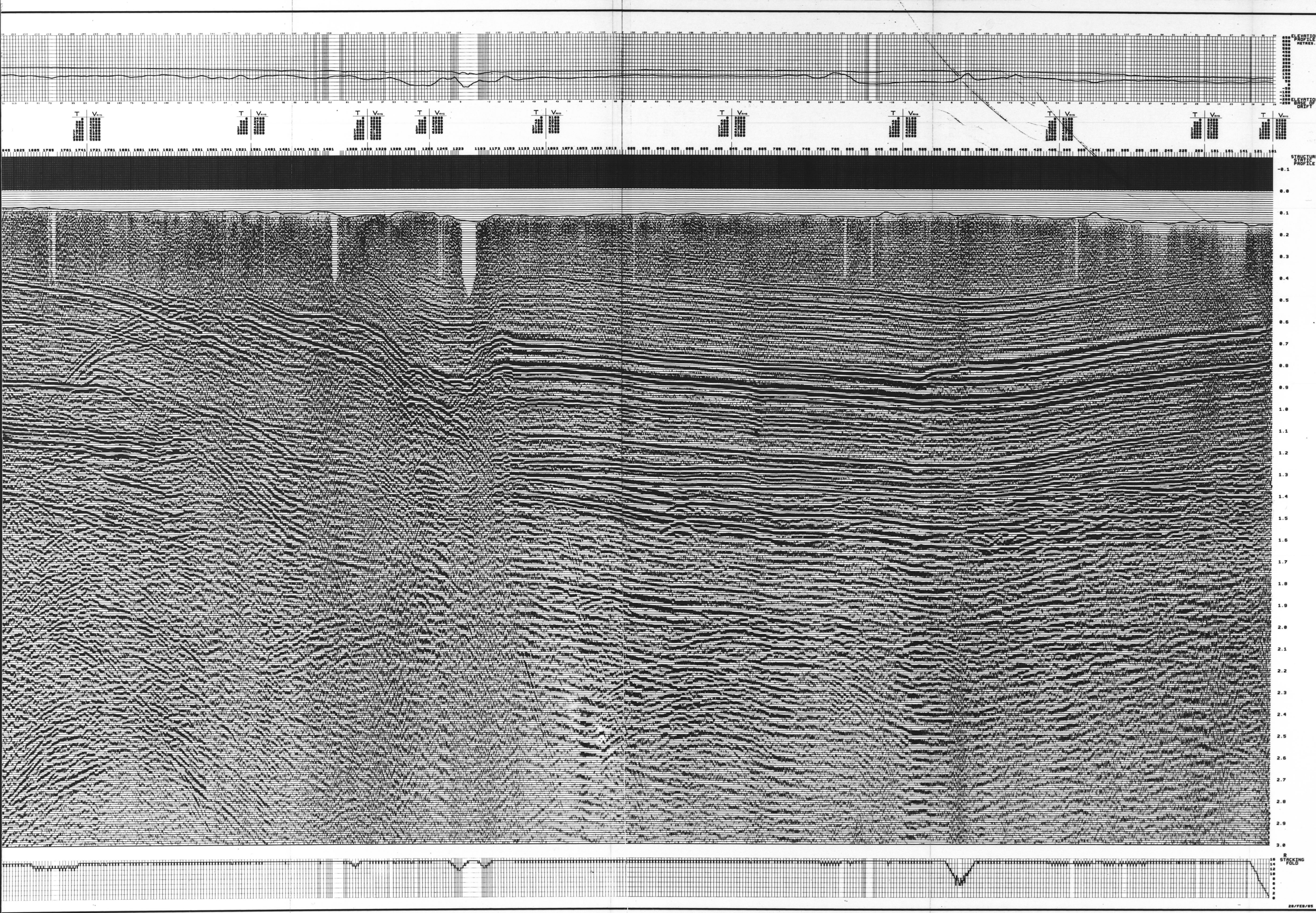




SIGMA EXPLORATIONS (1978) LTD.
 SUITE 700 CALGARY HOUSE PHONE 284-7800
 800-574 AVENUE S.W. CALGARY, ALBERTA T2P 0G2

**REVERSE 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 DIVISION OF
 LINE RESOURCE INFORMATION INC.

FIELD PARAMETERS

SOURCE TYPE	DYANITE	INSTRUMENTATION	SPY
CHARGE SIZE	2 X 1 KG.	GAIN MODE	1FP
PATTERN	2 X 25 M APART	FIELD FILTER	12/120 NOTCH OUT
HOLE DEPTH	9 M	GROUP INTERVAL	25 M
SOURCE INTERVAL	100 M	GEOPHONE TYPE	8005 - 10 HERTZ
RECORD LENGTH	4 SECONDS	GEOPHONE LAYOUT	9 OVER 25 M
SAMPLE INTERVAL	2 MS	COVERAGE	1500 M

SPREAD TRANCE 1 - 50 X 61 - 120
 DISTANCE 1500 - 25 - 2 - 25 - 1500 M

DISPLAY PARAMETERS

TRACES/INCH 80 INCHES/SEC 7.5

PROCESSING PARAMETERS

- DEMULIPLIX**
 SAMPLE RATE 2 MS
 RECORDED 2 MS
 PROCESSED 2 MS
- RELATIVE TRUE AMPLITUDE RECOVERY**
 EXPONENTIAL DECAY AND DISTANCE DEPENDENT RESIDUAL ANALYSIS
- INSTRUMENT AND GEOPHONE DEPHASING**
- DECONVOLUTION - SPIKING**
 OPERATOR 80 MS PREWHITENING 1.0 X
 FILTER DESIGN GATE 240 - 2000 MS + 25 M APPL. GATE 0 - 4000 MS
 FILTER DESIGN GATE 600 - 2000 MS + 1500 M APPL. GATE 0 - 4000 MS
- TRACE GATHER**
- VELOCITY ANALYSIS**
- NORMAL MOVEOUT**
- STRUCTURE STATICS - DRIFT CORRECTION**
 DATUM ELEVATION 400 M
 REPLACEMENT VELOCITY 3700 M/SEC
- STATICS - AUTOMATIC SURFACE CONSISTENT**
 WINDOW 1 500 - 1000 MS
- FIRST BREAK MUTES**
 DISTANCE 1 220 225 1500 3000 M
 TIME 1 0 400 700 1100 MS
- TRIM STATICS**
 WINDOW 1 500 - 1000 MS
- STACK**
 15 FOLD
- FILTER - DIGITAL BANDPASS**
 PASS BAND 16/22 - 60/80
 16/25 - 50/80
 APPL. GATE 0 - 1500 MS
 APPL. GATE 1700 - 4000 MS
- AMPLITUDE EQUALIZATION -**
 DATA INDEPENDENT SCALING

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