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SIGMA EXPLORATIONS (1978) LTD.
SUITE 220 CALGARY HOUSE PHONE 284-7800
500 - 4TH AVENUE S.W. CALGARY, ALBERTA T2P 0S2

**NORMAL POLARITY
STRUCTURE SECTION**

LINE NO: 85 - 7A
AREA: MACKENZIE PLAIN (85)
DIRECTION: NORTH
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	DSV
CHARGE SIZE	2 X 1 KG.	GEOM. CODE	379
PATTERN	2 X 25 M APART	FIELD FILTER	12/128 NOTCH OUT
HOLE DEPTH	0 M	GROUP INTERVAL	25 M
SOURCE INTERVAL	100 M	GEOPHONE TYPE	HARK - 10 HERTZ
RECORD LENGTH	4 SECONDS	GEOPHONE LAYOUT	9 OVER 25 M
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 DENULTRIPLEX
SAMPLE RATE RECORD LENGTH
RECORDED 2 MS 4 SECOND
PROCESSED 2 MS 8 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 X
FILTER DESIGN GATE 200 - 2000 MS X 25 H APPL. GATE 0 - 4000 MS
FILTER DESIGN GATE 600 - 2000 MS X 1500 H APPL. GATE 0 - 4000 MS
- 5 TRACE GATHER
- 6 VELOCITY ANALYSIS
- 7 NORMAL MOVEOUT
- 8 STRUCTURE STATISTICS - DRIFT CORRECTION
DATUM ELEVATION 400 M
REPLACEMENT VELOCITY 3700 M/SEC
- 9 STATISTICS - AUTOMATIC SURFACE CONSISTENT
WINDOW 1 500 - 1000 MS
- 10 FIRST BREAK MUTES
DISTANCE 1 220 225 1500 3000 MS
TIME 1 0 400 700 1100 MS
- 11 TRIM STATISTICS
WINDOW 1 500 - 1000 MS
- 12 STACK
15 FOLD
- 13 FILTER - DIGITAL BANDPASS
PASS BAND 16/22 - 60/50
16/25 - 50/50
APPL. GATE 0 - 1500 MS
APPL. GATE 1700 - 4000 MS
- 14 AMPLITUDE EQUALIZATION -
DATA INDEPENDENT SCALING

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