

9229-540-1P

SIGMA EXPLORATIONS (1978) LTD.
SUITE 105 CALGARY HOUSE PHONE 284-1100
550 - 5TH AVENUE S.W. CALGARY, ALBERTA T2P 0B2

**NORMAL POLARITY
STRUCTURE SECTION**

LINE NO: 85 - 15
AREA: MACKENZIE PLAIN (85)
DIRECTION: NORTHEAST
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	DPV
CHARGE SIZE	2 X 1 KG.	GAIN MODE	1FF
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	MARK - 16 HERTZ
RECORD LENGTH	4 SECONDS	GEOPHONE LAYOUT	9 OVER 25 M
SAMPLE INTERVAL	2 MS	COVERAGE	1500 X

SPREAD TRACE 1 - 60 X 65 - 120
DISTANCE 1500 - 25 - X - 25 - 1500 M

DISPLAY PARAMETERS

TRACES/INCH 80 INCHES/SEC 7.5

PROCESSING PARAMETERS

- DEMULITPLEX
RECORDED 2 MS
PROCESSED 2 MS
RECORD LENGTH 4 SECOND
3 SECOND
- 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 200 - 2000 MS X 25 X
FILTER DESIGN GATE 600 - 2000 MS X 1500 M
APPL. GATE 0 - 4000 MS
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 - 1500 X MS
- FIRST BREAK MUTES
DISTANCE 1 220 225 1500 3000 X M
TIME 1 0 600 700 1100 X MS
- TRIN STATICS
WINDOW 1 500 - 1500 X MS
- STACK
15 FOLD
- FILTER - DIGITAL BANDPASS
PASS BAND 16/22 - 80/80
10/15 - 50/60
APPL. GATE 0 - 1500 MS
APPL. GATE 1700 - 4000 MS
- AMPLITUDE EQUALIZATION -
DATA INDEPENDENT SCALING

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