

PROJ. NO.

9 2 2 9 - 5 4 0 - 1 P

LINE NO.

8 5 - 0 6

PART NO.

1 OF 1

R.R. 10X

9 2 2 9 - 5 4 0 - 1 P

SIGMA EXPLORATIONS (1978) LTD.
SUITE 715 CALGARY HOUSE PHONE 264-7885
550 - 4TH AVENUE S.W. CALGARY, ALBERTA T2P 5G2

**REVERSE POLARITY
STRUCTURE SECTION**

LINE NO: 85 - 06
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	DYNAMIC	INSTRUMENTATION	DFX
CHARGE SIZE	2 X 1 KG.	GRIN MODE	2FP
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	8000 - 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

- DEMULITPLEX
SAMPLE RATE 4 SECOND RECORD LENGTH 3 SECOND
RECORDED 2 MS
PROCESSED 2 MS
- RELATIVE TRUE AMPLITUDE RECOVERY
EXPONENTIAL DECAY AND DISTANCE DEPENDENT RESIDUAL ANALYSIS
- INSTRUMENT AND GEOPHONE DEPHASING
- DECONVOLUTION - SPIXING
OPERATOR 80 MS PREWHITENING 1.0 Z
FILTER DESIGN GATE 200 - 2000 MS X 25 M APPL. GATE 0 - 4000 MS
FILTER DESIGN GATE 600 - 2000 MS X 1500 M APPL. GATE 0 - 4000 MS
- TRACE GATHER
- VELOCITY ANALYSIS
- NORMAL MOVEOUT
- STRUCTURE STATICS - DRIFT CORRECTION
DATUM ELEVATION 400 M
REPLACEMENT VELOCITY 2700 M/SEC
- STATICS - AUTOMATIC SURFACE CONSISTENT
WINDOW 1 500 - 1000 MS
- FIRST BREAK MUTES
DISTANCE 1 220 225 1500 1000 MS
TIME 1 0 400 700 1100 MS
- TRIM STATICS
WINDOW 1 500 - 1000 MS
- STACK
15 FOLD
- FILTER - DIGITAL BANDPASS
PASS BAND 16/22 - 80/50 APPL. GATE 0 - 1500 MS
16/15 - 50/60 APPL. GATE 1700 - 4000 MS
- AMPLITUDE EQUALIZATION -
DATA INDEPENDENT SCALING

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