

PROJ. NO.

9 2 2 9 - 5 4 0 - 1 P

LINE NO.

8 5 - 2 0

PART NO.

1 OF 1

R.R. 10X

9 2 2 9 - 5 4 0 - 1 P

SIGMA EXPLORATION
SUITE 205 CALGARY HOUSE
550 - 8TH AVENUE S.W. CALGARY, ALTA.

NORMAL POLARITY
STRUCTURE SECTION

LINE NO: 85 - 20 (MICROSPREAD)
AREA: MACKENZIE PLAIN (85)
DIRECTION: SOUTHEAST
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	DYNAMITE	INSTRUMENTATION	DSV
CHARGE SIZE	0.5 KG	GAIN MODE	1PP
PATTERN	SINGLE HOLE	FIELD FILTER	27/120 NOTCH OUT
HOLE DEPTH	9 M	GROUP INTERVAL	10 M
SOURCE INTERVAL	40 M	GEOPHONE TYPE	MARK - 10 HERTZ
RECORD LENGTH	4 SECONDS	GEOPHONE LAYOUT	9 OVER 10 M
SAMPLE INTERVAL	2 MS	COVERAGE	1500 X

SPREAD TRACE 1 - 60 X 61 - 120

DISTANCE 600 - 10 X 10 - 600

DISPLAY PARAMETERS

TRACES/INCH 80 INCHES/SEC 7.5

PROCESSING PARAMETERS

- DEMULTEX
SAMPLE RATE 4 SECONDS
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 200 - 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 3200 M/SEC
- STATICS - AUTOMATIC SURFACE CONSISTENT
WINDOW 1 500 - 1500 M MS
- FIRST BREAK MUTES
DISTANCE 1 220 225 1500 3000 M
TIME 1 0 400 700 1100 M MS
- TRIM STATICS
WINDOW 1 500 - 1500 M MS
- STACK
15 FOLD
- FILTER - DIGITAL BANDPASS
PASS BAND 16/22 - 60/50 APPL. GATE 0 - 1500 MS
10/15 - 50/50 APPL. GATE 1700 - 4000 MS
- AMPLITUDE EQUALIZATION -
DATA INDEPENDENT SCALING

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