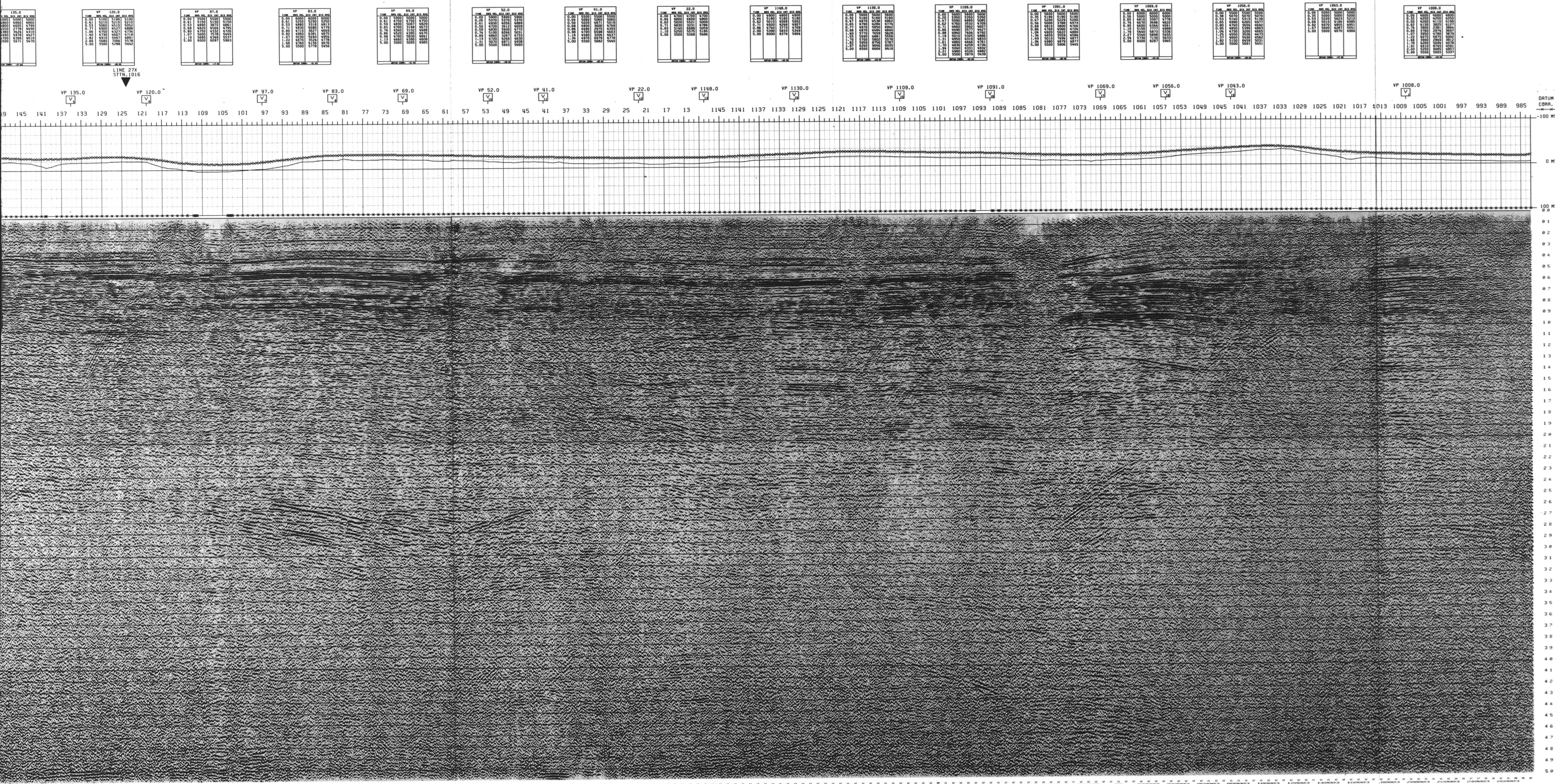




9 229 p28 3E

PROSPECT : MAHONY LAKE
LINE : 112X
VPS. : 235-11/1149-983
PROCESS : CONVENTIONAL
POLARITY : REVERSE

NORTHEAST

PETRO-CANADA INC.
AREA: MAHONY LAKE, N.W.T.

REPLACEMENT VELOCITY: 6000 M/SEC DARTON PLANE: 305 METERS
SURVEY DATE: APRIL 1988
RECORDED BY: WESTERN GEOPHYSICAL CO. OF CANADA LTD. (PART 478)
PROCESSED BY: WESTERN GEOPHYSICAL CO. OF CANADA LTD.
FOLD: 1:1200 X

RECORDING DATA

SOURCE
ENERGY SOURCE: VIBROSEIS
NUMBER OF SOURCES: 4
SOURCE PATTERN: IN LINE
SOURCE TO FIRST RECEIVER: 80 METERS
NUMBER OF SHEEPS: 8
PILOT SHEEP: 14-80 MZ
SHEEP LENGTH: 4 SECONDS
MINIMUM INTERVAL: 120 METERS

INSTRUMENTS

AMPLIFIER: DVS V-MODIT IV
FILTER: 12-DUT
PLAYING INTERVAL: 2 SEC
RECORD LENGTH: 9 SECONDS
TAPE FORMAT: SEC 8-88 TRACE

CABLE

TYPE OF GEOPHONE: GEOSPAC 200, 10 HZ
NUMBER OF GEOPHONES PER GROUP: 8 AT 60 METERS
NUMBER OF GROUPS RECORDED: 80
GROUP INTERVAL: 30 METERS
PERCENT COVERAGE: 100%
SPREAD: 1500-90-VP-90-1500

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 2 MSEC

1. EDIT/DEMULTEX
2. VIBROSEIS CORRELATION
3. PHASE COMPENSATION
4. STATICS
5. DARTON CORRECTIONS
6. AMPLITUDE COMPENSATION
7. PRE-PROCESSOR
8. PRE-FILTER
9. DECONVOLUTION BEFORE STACK
10. AUTOMATIC STEREO (WISER)
11. SURFACE CONSISTENT, 350-2000 MS. MODEL WINDOW
12. VELOCITY ANALYSIS (VELANI)
13. NMO CORRECTION
14. CDP CORRELATION FROM STATICS
15. STACK (1200 X)
16. TIME VARIANT FILTER
17. RMS GAIN
18. FILM AT 14 DB

SPREAD DIAGRAM

LEGEND: VELOCITY FUNCTION, VELOCITY ANALYSIS, INTERSECTIONS

HORIZONTAL SCALE
1/8 INCHES PER INCH
= 1 KILOMETER = 1/8 INCHES PER INCH
VERTICAL SCALE
3.75 INCHES PER SECOND

NOTATIONS
POLARITY CONVENTION
NEGATIVE POLARITY
RECORDING: VELOCITY INCREASE - NEGATIVE NUMBER
PROCESSING: VELOCITY INCREASE - POSITIVE NUMBER
DISPLAY: NEGATIVE NUMBER - PEAK

WESTERN PROCESSED BY: GROUP 3
APPROVED BY: J.L.E.

PROJ. NO.

9 2 2 9 - P 2 8 - 3 E

LINE NO.
1 1 2 X

PART NO.
2 OF 2

R.R. 10X

