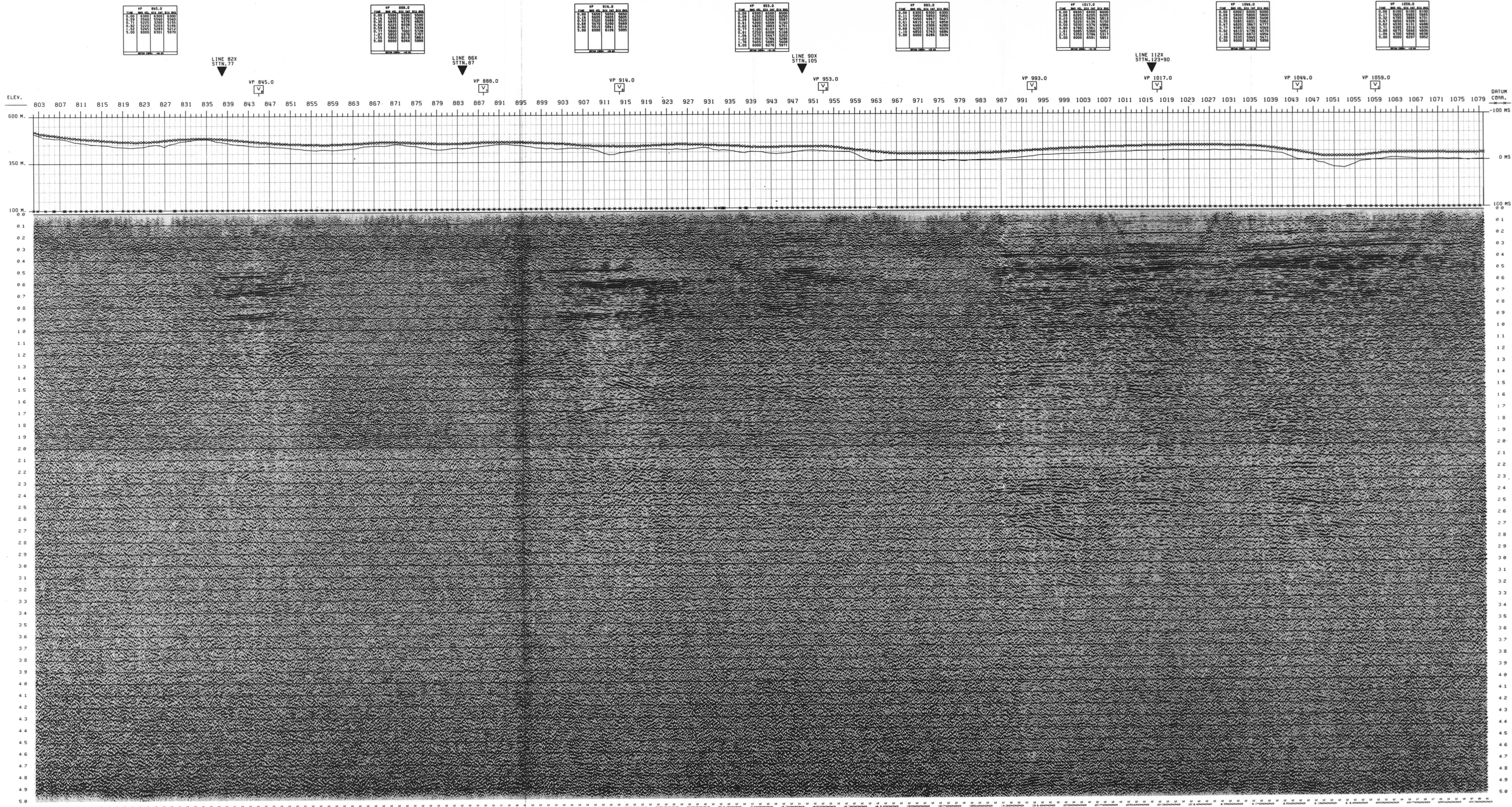




9 2 2 9 P 2 8 3 E

PROSPECT : MAHONY LAKE
LINE : 27X
VPS : 1080-802
PROCESS : CONVENTIONAL
POLARITY : REVERSE

NORTH

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

REPLACEMENT VELOCITY: 6000 M/SEC DATUM PLANE: 305 METERS
SURVEY DATE: APRIL 1984
RECORDED BY: WESTERN GEOPHYSICAL CO. OF CANADA LTD. (PARTY #745)
PROCESSED BY: WESTERN GEOPHYSICAL CO. OF CANADA LTD.
FOLD: 1:1200 X

RECORDING DATA

SOURCE	
ENERGY SOURCE	VIBROSEIS
NUMBER OF SOURCES	8
SOURCE PATTERN	INLINE
SOURCE TO FIRST RECEIVER	80 METERS
NUMBER OF SHEEPS	8
PLOT SHEEP	14-80 MZ.
SHEEP LENGTH	4 SECONDS
WORKING INTERVAL	120 METERS

INSTRUMENTS	
AMPLIFIER	DPS V-MODIT IV
FILTER	12-DUT
SAMPLING INTERVAL	2 MZ.
RECORD LENGTH	8 SECONDS
TAPE FORMAT	SEC 8-85 TRACE

CABLE	
TYPE OF GEOPHONE	GEOSPAC 200, 10 HZ
NUMBER OF GEOPHONES PER GROUP	8 AT 80 METERS
NUMBER OF GROUPS RECORDED	80
GROUP INTERVAL	30 METERS
PERCENT COVERAGE	1200 X
SPREAD	1500-90-VP-90-1500

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 2 MSEC

1. EDIT/DEMULTEPLEX
2. VIBROSEIS CORRELATION
3. PHASE COMPENSATION
4. STATICS
 - DATUM CORRECTIONS
5. AMPLITUDE COMPENSATION
6. PRE-PROCESSOR
 - CFP SORT
7. PRE-FILTER
 - 24-24-120/80 HZ/OCT
8. DECONVOLUTION BEFORE STACK
 - 2 MZ. MINIMUM PREDICTION DISTANCE
 - 120 MZ. MAXIMUM PREDICTION DISTANCE
 - 2 MZ. WHITE LIGHT
9. F-K NOISE ATTENUATION
10. AUTOMATIC STATICS INTERFER
 - SURFACE CONSISTENT: 240-2000 MZ. MODEL WINDOW
11. VELOCITY ANALYSIS (VELAN)
12. NMO CORRECTION
13. NMO
 - DISTANCE (M) TIME (MSEC)
 - 800 0
 - 780 100
 - 1000 200
 - 1200 300
14. CDF CORRELATION WITH STATICS
15. STACK (1200 X)
16. TIME VARIANT FILTER
 - TIME ZONE LOW CUTOFF HIGH CUTOFF
 - SEC (MZ/OCT) (MZ/OCT)
 - 0-1-0 24/80 120/80
 - 1-1-0 24/80 120/80
 - 2-1-0 20/80 50/80
17. RMS GAIN
 - 5 OVERLAPPING WINDOWS
 - 0-400 MSEC
 - 200-800 MSEC
 - 800-1600 MSEC
 - 1000-2000 MSEC
 - 2000-3000 MSEC
18. FILM AT 14 DB

SPREAD DIAGRAM

GROUP INTERVAL - 30 METERS

LEGEND

VELOCITY FUNCTION
VELOCITY ANALYSIS
INTERSECTIONS

HORIZONTAL SCALE
40 TRACES PER INCH
1 INCH = 1 KILOMETER

VERTICAL SCALE
2.75 INCHES PER SECOND

NOTATIONS

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

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

RECEIVED FROM: WESTERN GEOPHYSICAL COMPANY
RECEIVED FROM: WESTERN GEOPHYSICAL COMPANY
RECEIVED FROM: WESTERN GEOPHYSICAL COMPANY