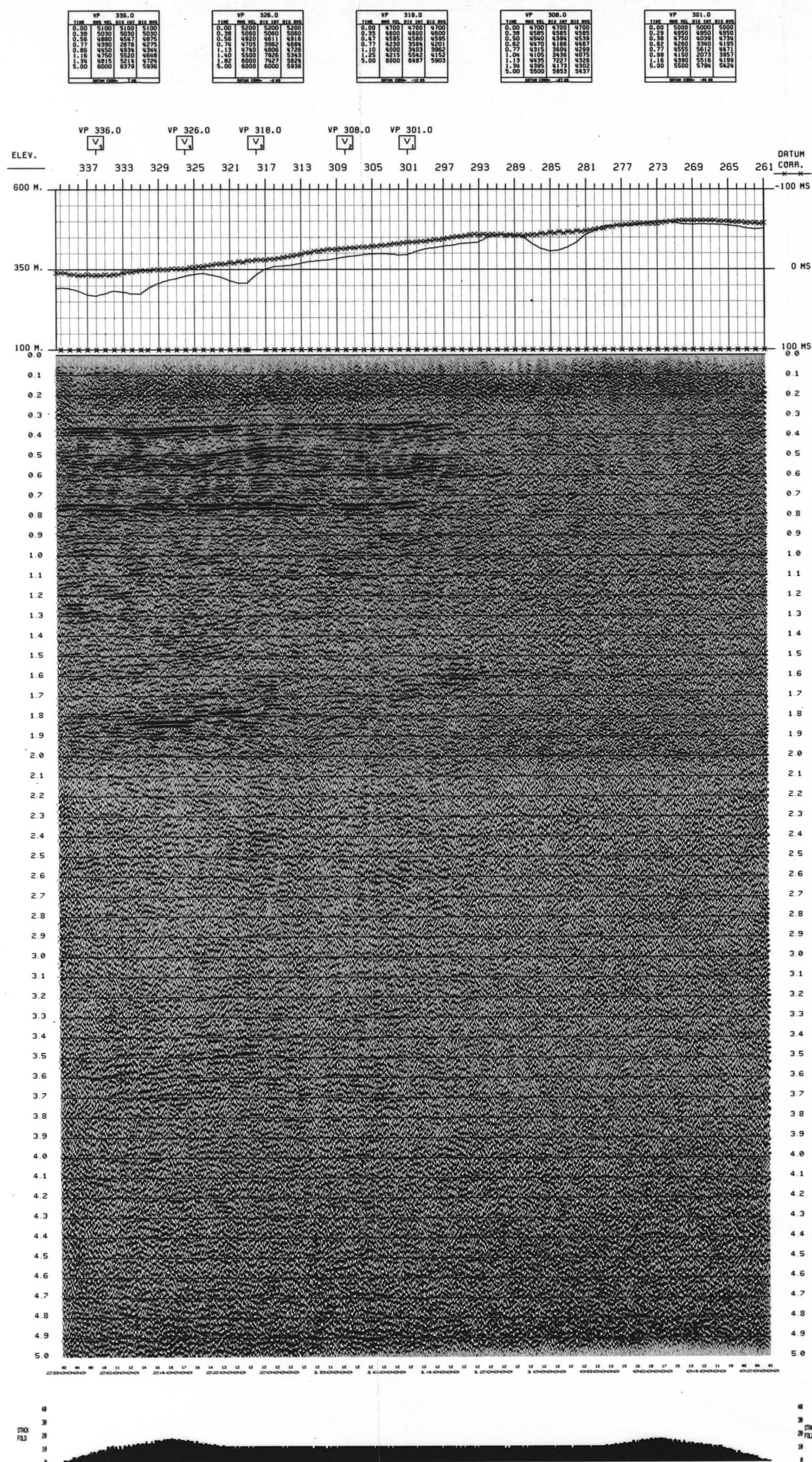




PROSPECT : MAHONY LAKE
LINE : 90X EXTENSION
VPS. : 261-340+90
PROCESS : CONVENTIONAL
POLARITY : NORMAL

NORTHEAST

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

REPLACEMENT VELOCITY: 6000 M/SEC DATUM PLANE: 305 METERS

SURVEY DATE : APRIL 1988
RECORDED BY : WESTERN GEOPHYSICAL CO. OF CANADA LTD. (PARTY #761)
PROCESSED BY : WESTERN GEOPHYSICAL CO. OF CANADA LTD.
FOLD : 1200 X

RECORDING DATA

SOURCE : VIBROSEIS

ENERGY SOURCE : VIBROSEIS
NUMBER OF SOURCES : 4
SOURCE PATTERN : IN LINE
SOURCE TO FIRST RECEIVER : 90 METERS
NUMBER OF SHEEPS : 8
PILOT SHEEP : 14-80 HZ
SHEEP LENGTH : 4 SECONDS
MINIMAL INTERVAL : 100 METERS

INSTRUMENTS

AMPLIFIER : OPS V-ADDDIT IV
FILTER : 12-80T
SAMPLING INTERVAL : 2 MS.
RECORD LENGTH : 8 SECONDS
TAPE FORMAT : SEC 8-98 TRACE

CABLE

TYPE OF GEOPHONE : GEOSPAC 200, 10 HZ
NUMBER OF GEOPHONES PER GROUP : 8 AT 60 METERS
NUMBER OF GROUPS RECORDED : 98
GROUP INTERVAL : 30 METERS
PERCENT COVERAGE : 1200 X
SPREAD : 1800-90-VP-90-1500

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 2 MSEC

1. EDIT/DEMULTIPLEX
2. VIBROSEIS CORRELATION
3. PHASE CORRECTION
4. GEOPHONE
5. STATICS
6. DATUM CORRECTIONS
7. AMPLITUDE COMPENSATION
8. PRE-PROCESSOR
9. CDF SORT
10. PRE-FILTER
11. DECONVOLUTION BEFORE STACK
12. 2 MS. MINIMUM PREDICTION DISTANCE
13. 100 MS. MINIMUM PREDICTION DISTANCE
14. 2 X WHITE LIGHT
15. AUTOMATIC STATISTICS (MISER)
16. SURFACE CONSISTANT, 350-2000 MS. MODEL WINDOW
17. VELOCITY ANALYSIS (VELAN)
18. NMO CORRECTION
19. MUTE
20. DISTANCE (M) TIME (MSEC)
21. 0 0
22. 500 250
23. 1000 500
24. 3000 800
25. 13. CDF CORRELATION TRIM STATICS
26. 14. STACK (1200 X)
27. 15. TIME VARIANT FILTER
28. TIME ZONE LOW CUTOFF HIGH CUTOFF
29. (SEC) HZ/OB/OCTI HZ/OB/OCTI
30. 0-1-0 20/60 90/90
31. 1-1-0 20/60 90/90
32. 1-1-0 20/60 90/90
33. 16. RMS GAIN
34. 5 OVERLAPPING WINDOWS
35. 0- 400 MSEC
36. 200- 800 MSEC
37. 800-1500 MSEC
38. 1000-3000 MSEC
39. 2000-5000 MSEC
40. 17. FILM AT 14 DB

SPREAD DIAGRAM

VP
GROUP INTERVAL - 30 METERS

LEGEND

VELOCITY FUNCTION
VELOCITY ANALYSIS
INTERSECTIONS

HORIZONTAL SCALE
48 TRACES PER INCH
IN 1 KILOMETER

VERTICAL SCALE
3.75 INCHES PER SECOND

NOTATIONS

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

WESTERN GEOPHYSICAL

PROCESSED BY: GROUP 3
APPROVED BY: J.L.B.

MISERD
VELAN
RAMP

RECORDED THROUGH BY WESTERN GEOPHYSICAL COMPANY
RECORDED THROUGH BY WESTERN GEOPHYSICAL COMPANY