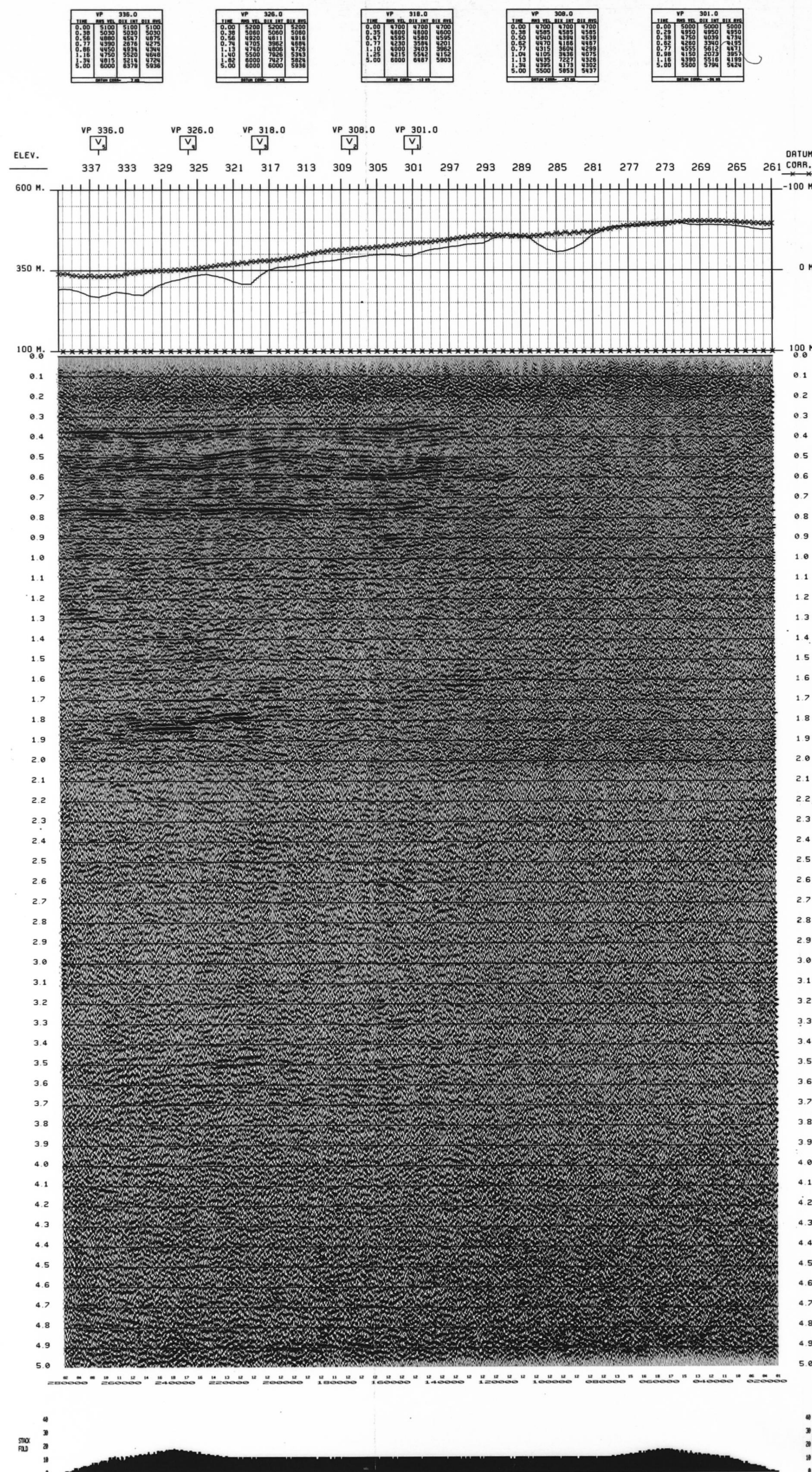




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18698

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

NORTHEAST

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

REPLACEMENT VELOCITY: 6000 M/SEC DATUM PLANE: 305 METERS
SURVEY DATE: 1 APRIL 1984
RECORDED BY: WESTERN GEOPHYSICAL CO. OF CANADA LTD. (PARTY #746)
PROCESSED BY: WESTERN GEOPHYSICAL CO. OF CANADA LTD.
FOLD : 1200 X

RECORDING DATA

SOURCE

ENERGY SOURCE: VIBROSEIS
NUMBER OF SOURCES: 4
SOURCE PATTERN: INLINE
SOURCE TO FIRST RECEIVER: 90 METERS
NUMBER OF SHEEPS: 8
PILOT SHEEP: 14-90 HZ
SHEEP LENGTH: 4 SECONDS
NOMINAL INTERVAL: 120 METERS

INSTRUMENTS

AMPLIFIER: OPS V-RDIT IV
FILTER: 12-307
SAMPLING INTERVAL: 2 MS
RECORD LENGTH: 8 SECONDS
TAPE FORMAT: SEC 8-96 TRACE

CABLE

TYPE OF GEOPHONE: GEOSPAC 200, 10 HZ
NUMBER OF GEOPHONES PER GROUP: 9 AT 60 METERS
NUMBER OF GROUPS RECORDED: 96
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/DEMULPLEX
2. VIBROSEIS CORRELATION
3. PHASE COMPENSATION
4. STATICS
5. DATUM CORRECTIONS
6. AMPLITUDE COMPENSATION
7. PRE-PROCESSOR
8. CDF SORT
9. DECONVOLUTION BEFORE STACK
10. 2 MS. MINIMUM PREDICTION DISTANCE
11. 100 MS. MAXIMUM PREDICTION DISTANCE
12. 2 X WHITE LIGHT
13. AUTOMATIC STATISTICS (MISER)
14. SURFACE CONSISTANT, 350-2000 MS. MODEL WINDOW
15. VELOCITY ANALYSIS (VELAN)
16. NMO CORRECTION
17. MUTE

18. DISTANCE (M) TIME (MSEC)

19. CDF CORRELATION TRIM STATICS

20. STACK (1200 X)

21. TIME VARIANT FILTER

22. TIME ZONE LOW CUTOFF HIGH CUTOFF

23. 0-1.0 20/60 50/80

24. 1.1-2.0 20/60 50/80

25. 2.1-5.0 20/60 50/80

26. RMS GAIN

27. 5 OVERLAPPING WINDOWS

28. 0-400 MSEC

29. 200-800 MSEC

30. 800-1500 MSEC

31. 1000-3000 MSEC

32. 2000-5000 MSEC

33. 17. FILM AT 14 DB

SPREAD DIAGRAM

VP

GROUP INTERVAL - 30 METERS

LEGEND

VELOCITY FUNCTION

VELOCITY ANALYSIS

INTERSECTIONS

NOTATIONS

POLARITY CONVENTION

RECORDING VELOCITY INCREASE - NEGATIVE NUMBER

PROCESSING VELOCITY INCREASE - POSITIVE NUMBER

DISPLAY NEGATIVE NUMBER - PLUS

WESTERN

PROCESSED BY: GROUP 3

APPROVED BY: J.L.B.

MISERD

VELAN

RUPD