



Line #	Shotpoints	Type Coverage
M44B	2075-2093	100%
M32T	3111-3123	600%
M35T	3549-3567	1200%
M39T	4871-4889	1200%
M40T	4407-4425	1200%
M40T	4555-4572	600%

These filter analyses provided the basis for designing the time-varying filters applied in final production processing.

E. SPECIAL PROCESSING FOR VELOCITY CONTROL

1. Moveout Scans.

A moveout scan is the application of negative time shifts approximating a normal moveout (NMO) correction curve to traces for one to 24/N consecutive common depth points and stacking of the traces. N is multiplicity of subsurface coverage. In the routine, 96 scans for 96 different NMO correction curves are performed for each group of common-depth-point (CDP) input traces, therefore outputting 96 stacked traces. Correlative reflections with NMO time equal to absolute values of time shifts for a scan are aligned, and the stacked reflection will be a maximum relative to corresponding stacked reflections on adjacent traces.

For each set of 96 scans, the following processes were performed:

- a. Gathered a set of 24 CDP traces from input records.
- b. Performed time variant deconvolution on CDP traces.
- c. Applied time-variant zero-phase filtering to CDP traces.