



E. Frequency Analysis

Two filter analyses were made on Line M57T, from shotpoints 07-11 and 36-47. Frequency bands used in the analysis were 5-15, 10-20, 20-40 and 30-60 cps. Final time-varying filters were determined and applied according to the following schedule :

<u>Line No.</u>	<u>S.P to S.P</u>	<u>20-60cps</u>	<u>10-50cps</u>	<u>10-50cps</u>	<u>8-40cps</u>
M52B	09-105	1.100	1.300	1.900	2.100
M53B	76-46	1.048	1.148	1.600	1.800
	47-IS8	1.148	1.348	1.800	2.000
M54B	014-08	1.300	1.400	2.000	2.100
	07-47	1.200	1.300	1.800	2.000
	48-96	1.000	1.148	1.700	1.800
M55T	A11	.400	.900	1.800	2.000
M56T	A11	.400	.800	1.800	2.000
M57T	A11	.400	.700	1.500	1.700
M58T	A11	.400	1.000	1.600	1.800
M59T	64-10	.500	1.000	2.000	2.300
	9-IS8	.500	1.200	2.000	2.300
M60T	A11	.700	.800	1.900	2.000

The general procedure when determining the above times was to apply the 20-60 cps filter from 0 time to a point immediately above the zone of interest. A 10-50 cps filter was then applied to a point immediately below the zone of interest. An 8-40 cps filter was then applied to end-of-record time.