



#### 4. Relation to Magnetics

Comparisons of the Horizon C (Basement) interpretation with (1) the magnetic basement interpretation of the January 1968 aeromagnetic survey and (2) results from magnetics recorded concurrent with the subject seismic survey show the following:

- a. In the eastern portion of PEP63A, the northern portion of PEP63B, and the southern portion of T/1P, depths to Horizon C are of the same order as depths to magnetic basement.
- b. In the western portion of PEP63A, the southern portion of PEP63B and the northern portion of T/1P, depths to Horizon C are substantially shallower than depths to magnetic basement. This suggests the existence of pre-Upper Cretaceous, non-magnetic rocks within these areas.
- c. Horizon C Anticlinal Features VII and X can be directly related to magnetic basement highs.
- d. The location and configuration of other Horizon C features show no distinct relationship to magnetic anomalies.

#### D. HYDROCARBON TRAPS

Features I, IV, VII and VIII are potential hydrocarbon traps of the anticlinal-closure type. All of these features, with the exception of Feature VII, require additional seismic definition prior to test drilling.

Features III and V are potential traps of the fault-nose type. The fault orientation on both of these features require additional seismic confirmation.

Feature VI and the area centered near SP1152 of Line M11B are potential stratigraphic traps which rely upon basement onlap and erosion for their updip components of closure.