



Flown and compiled by AIRMAG SURVEYS INC., 1980.
Flight lines flown east-west at 152 m (500 ft) near
terrain clearance spaced 1 km (0.6 mi) apart.

MAP B.-BOUGUER GRAVITY MAP

INTRODUCTION

GEOPHYSICAL METHODS

RESULTS OF THE GEOPHYSICAL SURVEY

A gravity high (GM3) is also present over the volcanic field (map B). In fact, a large gravity high lies over the Dos Cabezas Mountains (map B); from Government Peak it stretches northward to the base of the Catalina Mountains rocks suggesting the outline of a structurally high, crystalline basement (Wynn, 1981; Klofe, 1985). Interruption in this regional gravity high, which reaches the base of the Catalina Mountains at Apache Pass fault (map B), appears in the Dos Cabezas Mountains Wilderness Study Area. In order to distinguish the gravity high (GM3) from a high that may have been caused by topography, a small gravity high (GM4) is defined by the area across the volcanic piec were made at various reduced densities. These additional maps and profiles (G 1-A, Abrams, unpub. data, 1985) confirm the gravity high (GM3) to represent a shallow, dense crystalline basement.

CONCLUSIONS

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