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Residual Bouguer Gravity Anomaly Map of Northern New Mexico

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MASTER

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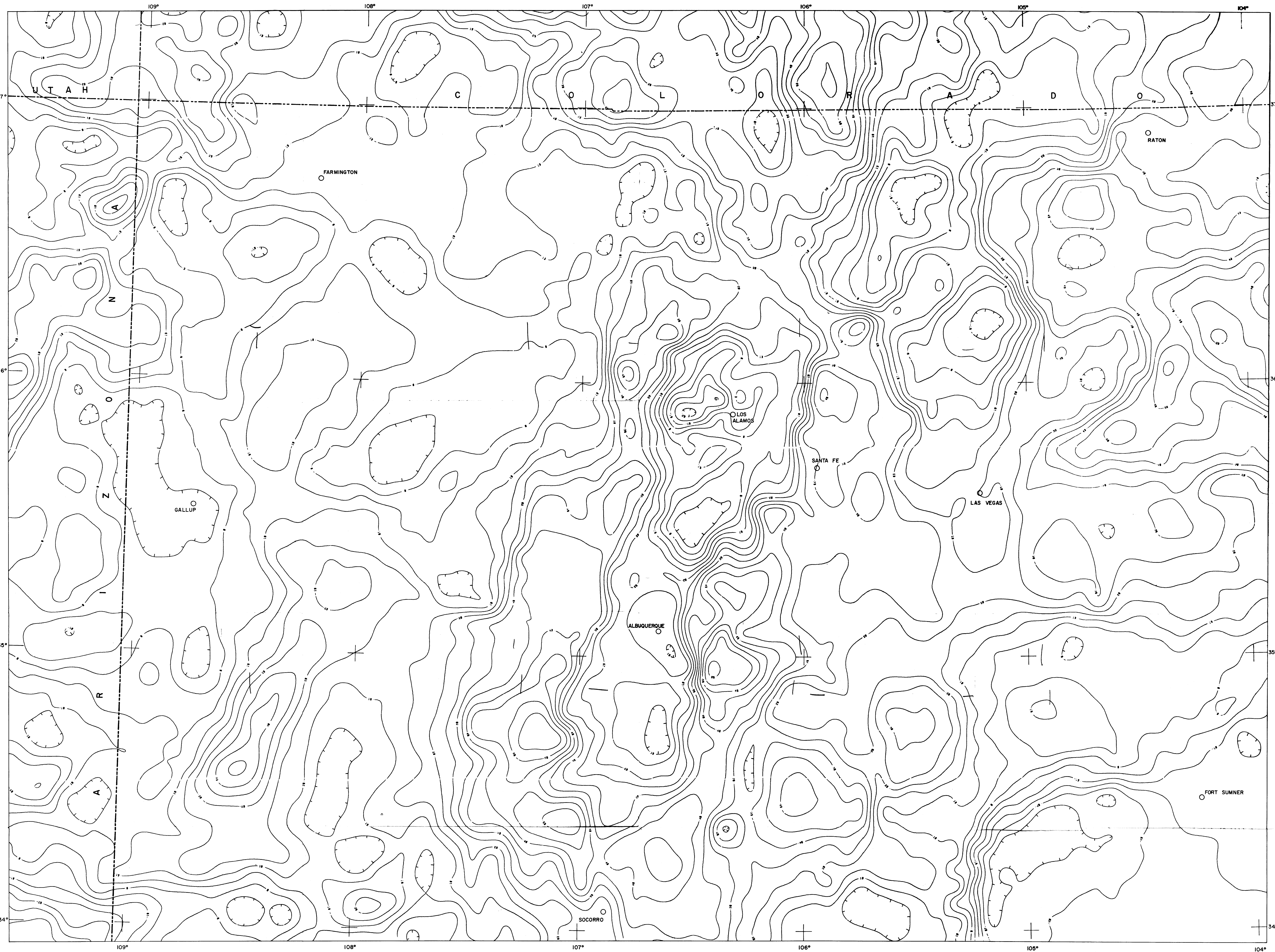
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RESIDUAL BOUGUER GRAVITY ANOMALY MAP OF NORTHERN NEW MEXICO

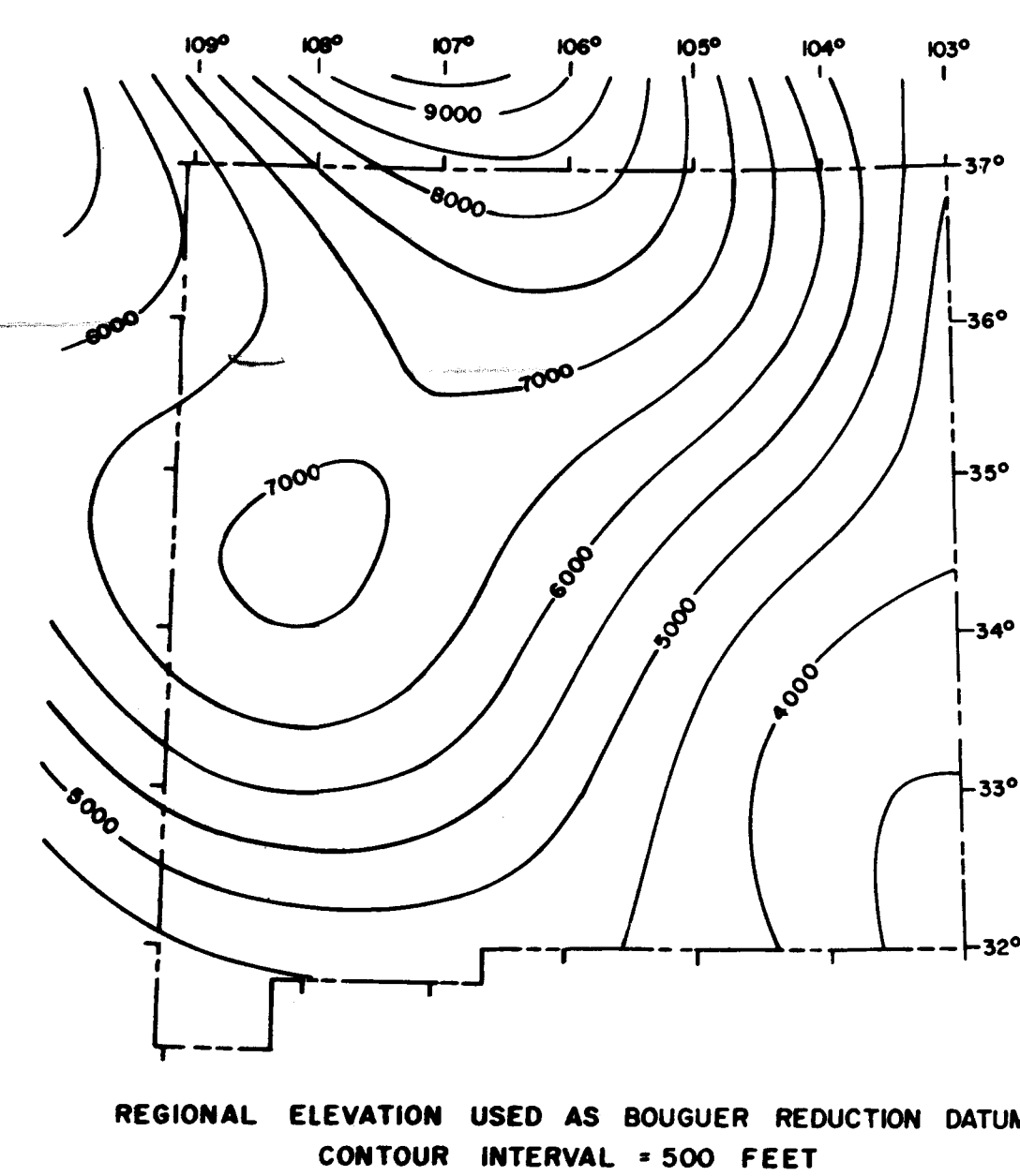
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LOS ALAMOS SCIENTIFIC LABORATORY
SCALE 1:500,000

LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS 33° AND 45°
CONTOUR INTERVAL 5 MILLIGALS

EXPLANATION

COMPUTER CONTOURED FROM EQUIDISTANT GRID AND BICUBIC
SPLINE INTERPOLATED SURFACE. BOUGUER GRAVITY ANOMALY
CORRECTION APPLIED IS
 $\Delta g_B = (0.034) \times (\text{elevation} - \text{regional elevation})$
WITH DENSITY 2.67 g/cc.

MAP CONSTRUCTED UNDER CONTRACT TO LOS ALAMOS SCIENTIFIC
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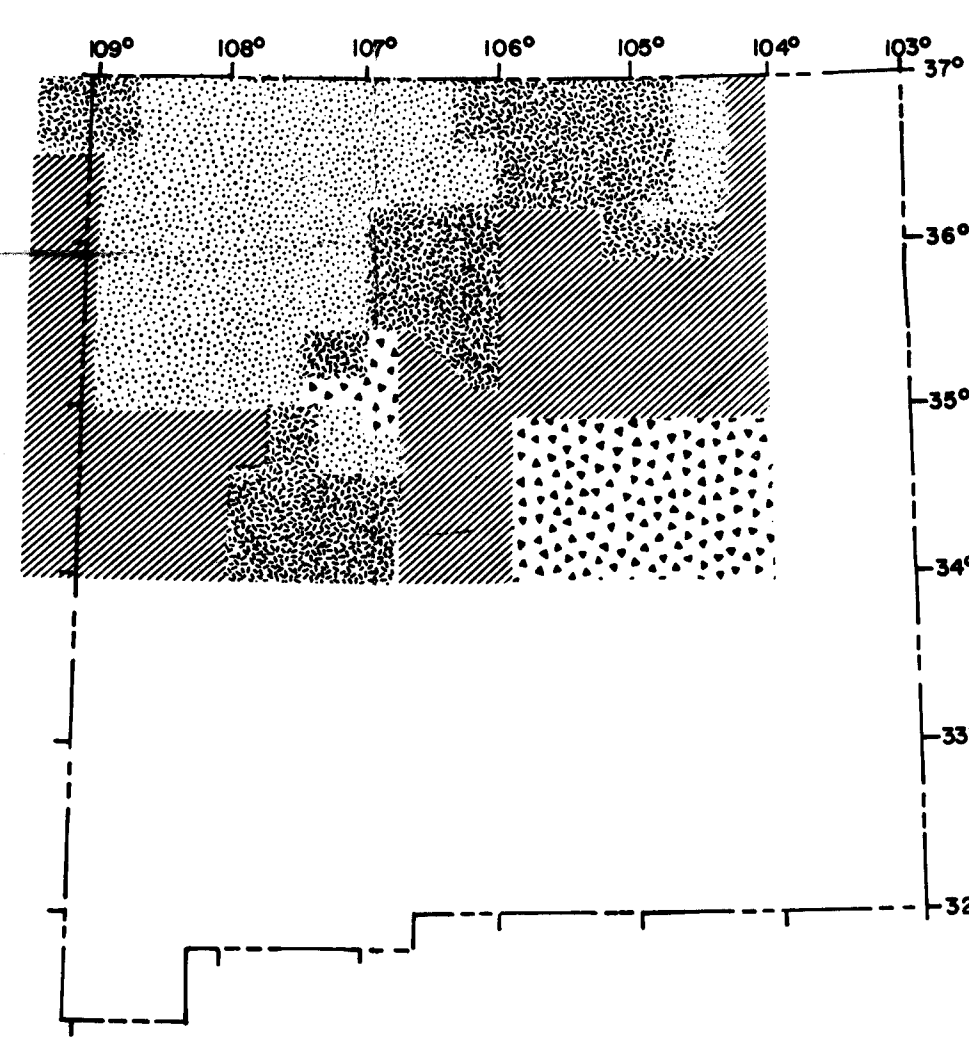


REGIONAL ELEVATION USED AS BOUGUER REDUCTION DATUM
CONTOUR INTERVAL = 500 FEET

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Data Sources:
DOO Gravity Library
U.S. Air Force
Oil and Mining Companies



STATION INTERVALS

LESS THAN 2 MILES	> 5 TO < 10
> 2 TO < 5	GREATER THAN 10 MILES