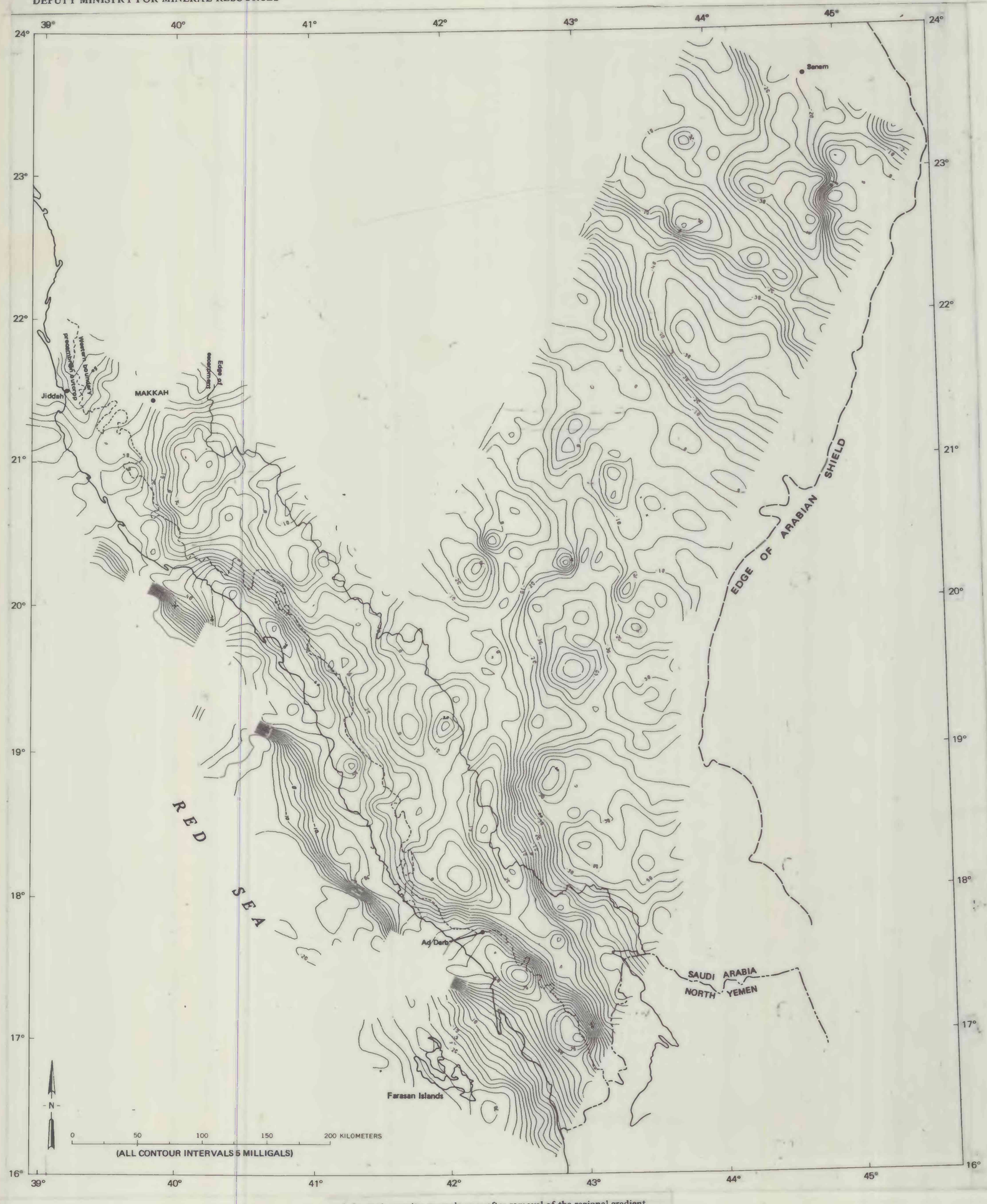
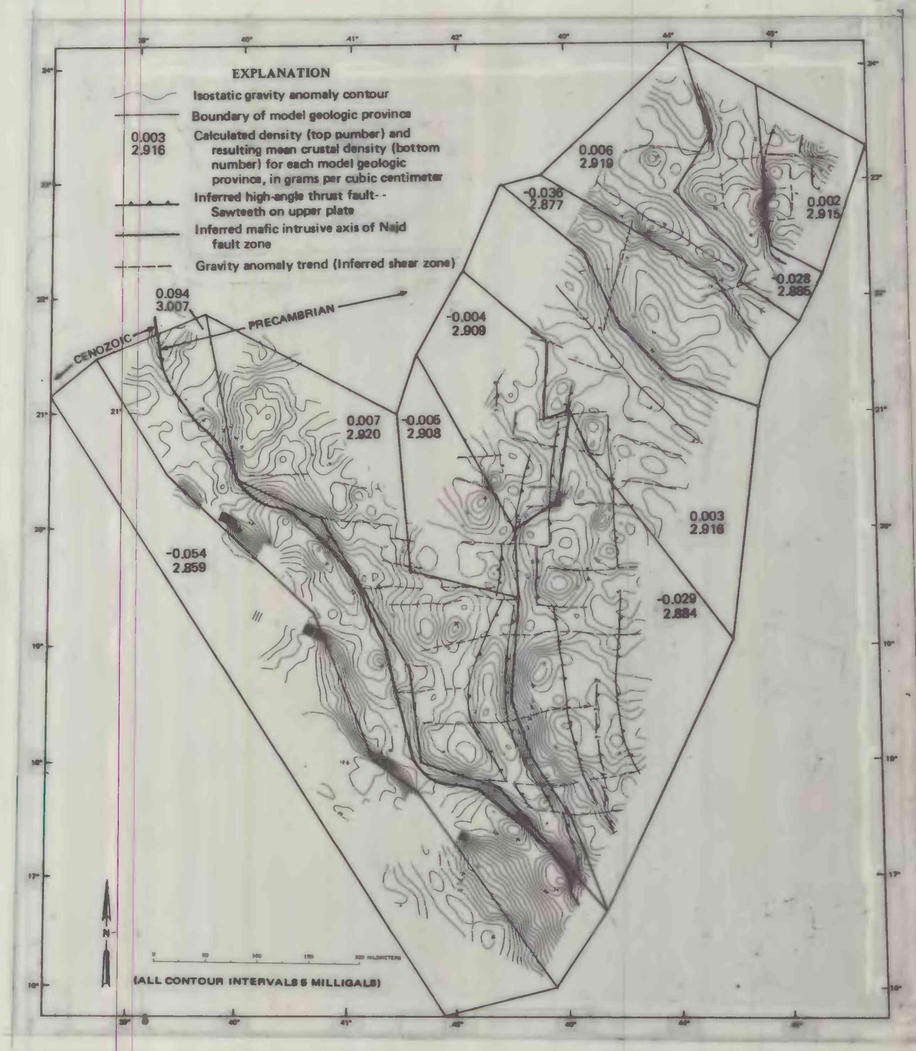
U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, PREPARED FOR
MINISTRY OF PETROLEUM AND MINERAL RESOURCES
DEPUTY MINISTRY FOR MINERAL RESOURCES

KINGDOM OF SAUDI ARABIA

TECHNICAL RECORD USGS-OF 85-254
PLATE 2



A. Isostatic gravity anomaly map after removal of the regional gradient.



B. Isostatic gravity anomaly map (reduced from *A*) showing important inferred geologic features and the polygons constructed to model geologic provinces. Density contrasts and mean crustal densities are shown for all polygons which are considered to be the tops of prisms that penetrate the crust. Density contrasts were determined from least-squares fittings of the isostatic gravity anomaly after removal of the regional gradient.

C. Final isostatic gravity anomaly map after correction for model geologic provinces shown in *B*.

D. Final isostatic gravity anomaly map (reduced from *C*) showing individual gravity anomalies 1-43 disscussed in the text.

CORRECTED ISOSTATIC GRAVITY ANOMALY MAPS OF SOUTHWESTERN SAUDI ARABIA

By
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1985