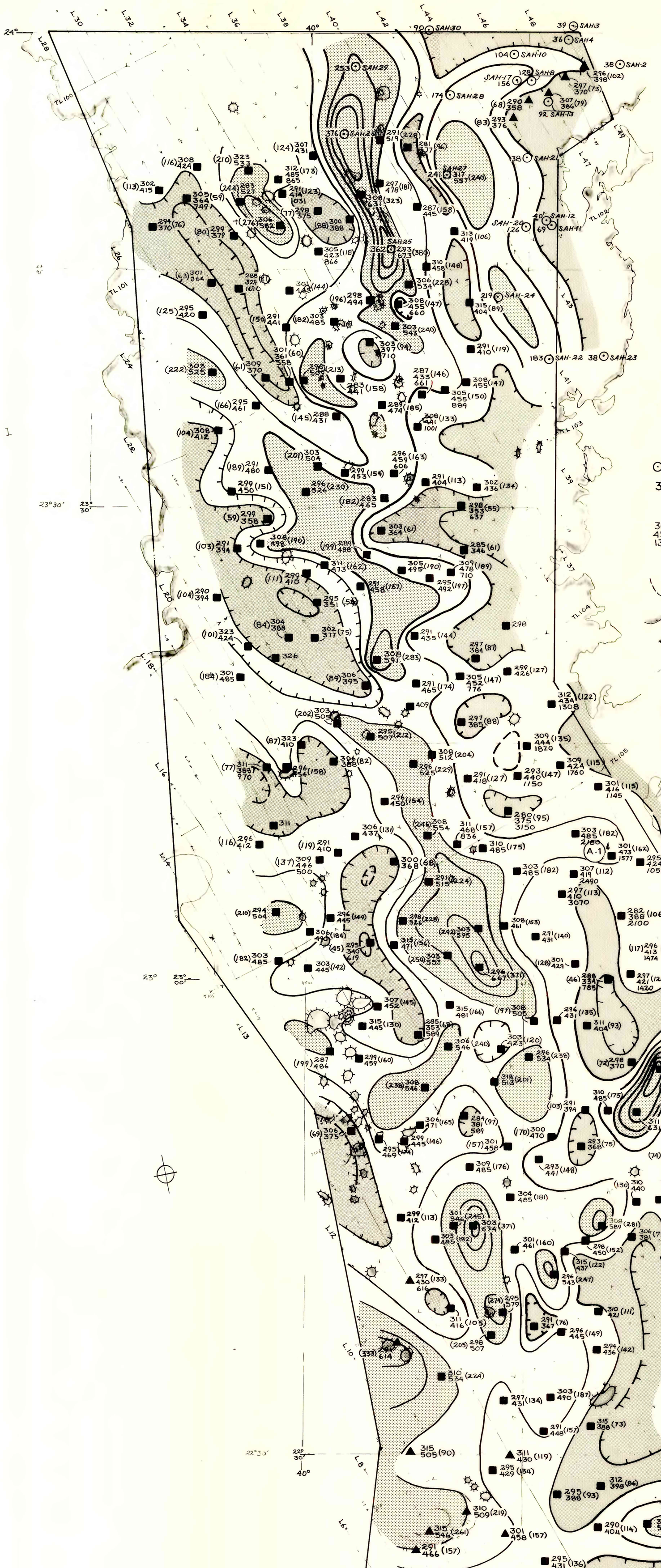
U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, PREPARED FOR

MINISTRY OF PETROLEUM AND MINERAL RESOURCES
DEPUTY MINISTRY FOR MINERAL RESOURCES

KINGDOM OF SAUDI ARABIA

OPEN-FILE REPORT USGS 83-140
PLATE 2



LEGEND

- ■ data point for depth estimate (m) based on a 4-record profile segment
- ▲ data point for depth estimate (m) based on a 2-record profile segment
- ⊙ data point and drill hole occupying same location
- vent area (cones, necks, craters)
- ⊙ SAH-22 drill hole
- 386⊙ thickness (m) of Cenozoic section determined from drilling (Torrent, 1976)
- 301 / 450 (149) / 1359 estimates of depth (m) from detector to top of discrete source or source ensemble (thickness (m) of Cenozoic section in parenthesis)
- isopach contours; dashed where uncontrolled
- margin of exposed lava flows
- TL107 / L-37 aeromagnetic traverse and tie-line; limits of each discrete data record indicated by ×
- greater than 200 m thickness
- less than 100 m thickness
- (AM) location of field intensity anomaly referred to in text (see also Plate 1)

ISOPACH MAP OF CENOZOIC SECTION
HARRAT RAHAT AREA
KINGDOM OF SAUDI ARABIA

CONTOUR INT. 50 m

THICKNESS ESTIMATED FROM SPECTRAL ANALYSIS OF 1976 AEROMAGNETIC SURVEY PROFILES

Scale 1:250,000

5 km 0 5 10 15 20 25 km

This report has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature