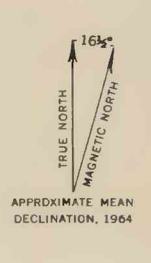


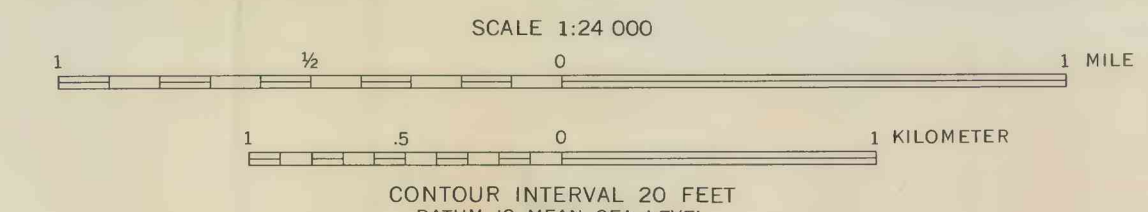


EXPLANATION

- |   |   |            |
|---|---|------------|
| Recent  | <span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Qal  | QUATERNARY |
|   | Alluvium<br><i>Unconsolidated gravel, sand, and silt along the Salinas River</i>  |            |
| Pleistocene and Recent (?)  | <span style="background-color: yellow; display: inline-block; width: 15px; height: 10px;"></span> Qalo  | QUATERNARY |
|   | Older alluvium<br><i>Semiconsolidated gravel, sand, and silt</i>  |            |
| Pliocene  | <span style="background-color: gray; display: inline-block; width: 15px; height: 10px;"></span> Tu?   | TERTIARY   |
|   | Unnamed formation?<br><i>Fine-grained sandstone, mudstone, porcelaneous mudstone, porcelanite; tentatively correlated with unnamed formation of the Chico Knob quadrangle</i> |            |
| Miocene   | <span style="background-color: green; display: inline-block; width: 15px; height: 10px;"></span> Tm   | TERTIARY   |
|   | Monterey Shale<br><i>Mudstone, porcelaneous mudstone, porcelanite, shale, carbonate beds, and carbonate concretions; marine</i>   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| Contact<br><i>Gradational or approximate</i>  |   |            |
| <hr style="border-top: 1px dashed black;"/>   |   |            |
| Fault<br><i>Dashed where approximately located; dashed and queried where inferred</i> |   |            |
| <hr style="border-top: 1px dashed black;"/>   |   |            |
| Anticline<br><i>Showing trace of axial plane; dashed where approximately located</i>  |   |            |
| <hr style="border-top: 1px dashed black;"/>   |   |            |
| Syncline<br><i>Showing trace of axial plane; dashed where approximately located</i>   |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| Strike and dip of beds<br><i>Figure 90 on topside of beds      Topside unknown</i>    |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| Strike and dip of vertical beds   |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| Horizontal beds   |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| Oil wells<br><i>Dry hole; numbered according to table 2</i>                           |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| (20)      (21)  |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| (29)      (28)  |   |            |
| <hr style="border-top: 1px solid black;"/>  |   |            |
| Projected section lines, dotted; numbers of projected sections in parenthesis         |   |            |



GEOLOGIC MAP OF THE ESPINOSA CANYON QUADRANGLE, MONTEREY COUNTY, CALIFORNIA



Base map by Army Map Service published for civil use by Topographic Division, U.S. Geological Survey, 1949

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—563156  
Geology mapped in 1959-60 by David L. Durham