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different types or ages of units. Data depicted on this geologic quadrangle map may be based on any of the following: reconnaissance field geologic mapping, compilation of published and unpublished work, and photogeologic interpretation. Locations of contacts are not surveyed, but are plotted by interpretation of the position of a given contact onto a topographic base map; therefore, the accuracy of contact locations depends on the scale of mapping and the interpretation of the geologist(s). Any enlargement of this map could cause misunderstanding in the detail of mapping and may result in erroneous interpretations. Site-specific conditions should be verified by detailed surface mapping or subsurface exploration. Topographic

Cross sections are constructed based upon the interpretations of the author made from geologic mapping and available geophysical and subsurface (drillhole) data. Cross sections should be used as an aid to understanding the general geologic framework of the map area, and not be the sole source of information for use in locating or designing wells, buildings, roads, or

dissemination of these geologic maps and map data to the public as rapidly as possible while allowing for map revision as geologists continued to work in map areas. Each map sheet carries the original date of publication below the map as well as the latest revision date in the upper right corner. In most cases, the original date of publication coincides with the date of the map product delivered to the National Cooperative Geologic Mapping Program (NCGMP) as part of New Mexico's STATEMAP agreement. While maps are produced, maintained, and updated in an ArcGIS geodatabase, at the time of the STATEMAP deliverable, each map goes through cartographic production and internal review prior to uploading to the Internet. Even if additional updates are carried out on the ArcGIS map datafiles, citations to these maps should reflect this original publication date and the original authors listed. The views and conclusions contained in these map documents are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the State of

Digital layout and cartography by the NMBGMR Map Production Group: Phil L. Miller, Amy L. Dunn, Katherine J. Sauer, and Kelly K. Boyd

Correlation of Map Units



Dissolution/karst-related collapse and subsidence features on the Malaga quadrangle.



2.000 1.000 0 Feet: Mean Sea Level Pdbc -1000 -2000 -3,000 -4,000 --5.000 -6,000 3.000 Feet above Mean Sea Level

Geologic Cross Section A–A'

Description of Map Units

Geologic terms after Compton (1985), soil terminology after Birkeland (1999), carbonate horizon stages after Machette (1985), and color notation after Munsell Color (2009). Other references listed in the accompanying report.





Cross Section A-A' Callout — — (2x scale, no vertical exaggeration)

Pecos River valley