

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

**GEOLOGIC MAP OF THE SAN ACACIA QUADRANGLE,
SOCORRO COUNTY, NEW MEXICO**

By Michael N. Machette

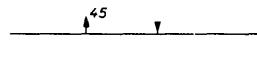
GEOLOGIC QUADRANGLE MAP
Published by the U. S. Geological Survey, 1978
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MACHETTE - SAN ACACIA, NEW MEXICO

1:24000 MAP GQ-1415

GEOLOGIC MAP SYMBOLS
COMMONLY USED ON MAPS OF THE UNITED STATES GEOLOGICAL SURVEY
(Special symbols are shown in explanation)

— Contact—Dashed where approximately located; short dashed where inferred; dotted where concealed

 Contact—Showing dip; well exposed at triangle

— Fault—Dashed where approximately located; short dashed where inferred; dotted where concealed

 Fault, showing dip—Ball and bar on downthrown side

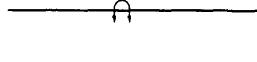
— Normal fault—Hachured on downthrown side

— Fault—Showing relative horizontal movement

— Thrust fault—Sawteeth on upper plate

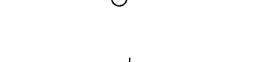
 Anticline—Showing direction of plunge; dashed where approximately located; dotted where concealed

 Asymmetric anticline—Short arrow indicates steeper limb

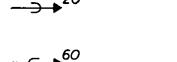
 Overturned anticline—Showing direction of dip of limbs

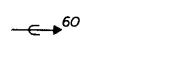
 Syncline—Showing direction of plunge; dashed where approximately located; dotted where concealed

 Asymmetric syncline—Short arrow indicates steeper limb

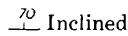
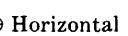
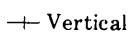
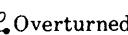
 Overturned syncline—Showing direction of dip of limbs

 Monocline—Showing direction of plunge of axis

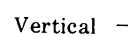
 Minor anticline—Showing plunge of axis

 Minor syncline—Showing plunge of axis

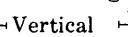
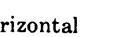
Strike and dip of beds—Ball indicates top of beds known from sedimentary structures

 ⁷⁰ Inclined  Horizontal
 Vertical  ⁴⁰ Overturned

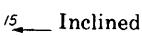
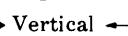
Strike and dip of foliation

 ²⁰ Inclined  Vertical  Horizontal

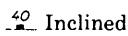
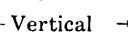
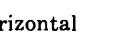
Strike and dip of cleavage

 ¹⁵ Inclined  Vertical  Horizontal

Bearing and plunge of lineation

 ¹⁵ Inclined  Vertical  Horizontal

Strike and dip of joints

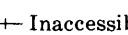
 ⁴⁰ Inclined  Vertical  Horizontal

Note: Planar symbols (strike and dip of beds, foliation or schistosity, and cleavage) may be combined with linear symbols to record data observed at same locality by superimposed symbols at point of observation. Coexisting planar symbols are shown intersecting at point of observation.

Shafts

 Vertical  Inclined

Adit, tunnel, or slope

 Accessible  Inaccessible

Prospect

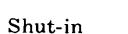
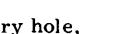
Quarry

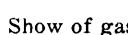
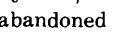
 Active  Abandoned

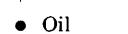
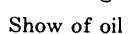
Gravel pit

 Active  Abandoned

Oil wells

 Drilling  Shut-in  Dry hole,

 Gas  Show of gas  abandoned

 Oil  Show of oil