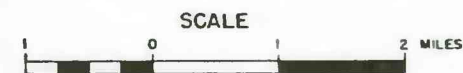


UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY
1946

PLATE 2. MAP OF CACTUS FLAT-
ARTESIA AREA, SAN SIMON BASIN,
GRAHAM COUNTY, ARIZONA

SHOWING GEOLOGY AND LOCATIONS OF
OUTLYING WELLS AND SPRINGS.



EXPLANATION

- YOUNGER ALLUVIAL FILL
- OLDER ALLUVIAL FILL
- GNEISS
- KNOWN FAULT
- PROBABLE FAULT
- CONCEALED FAULT
- ROPE AND BUCKET OR HAND POWER PUMP WELL
- WELL WITH WINDMILL OR SMALL POWER PUMP
- FLOWING WELL
- UNUSED WELL
- SPRING

YOUNGER ALLUVIAL FILL YIELDS WATER TO SHALLOW DOMESTIC WELLS. OLDER ALLUVIAL FILL PRINCIPAL AQUIFER; YIELDS MINERALIZED WATER THROUGH FLOWING WELLS FROM SAND AND GRAVEL LENSES. GNEISS YIELDS LIMITED SUPPLY THROUGH FRACTURES AND SHALLOW WEATHERED ZONES.