109° 00'

108° 45'

36° 30'

N

NOT MAPPED

BEAUTIFUL MOUNTAIN ANTICLINE

TOCITO DOME

SANASTEE TRADING POST

SANASTEE WASH

SANASTEE SCHOOL

12M-25

12R-84

12R-83

12R-83A

TOCITO TRADING POST

TOCITO WASH

US HIGHWAY 666

Kmu (covered)

Kgd Kml Kmu Kd Jm Jt Je Qal Ti

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
1949

PLATE I. MAP OF SANASTEE AREA, SAN JUAN COUNTY, NEW MEXICO
SHOWING GEOLOGY AND LOCATION OF WELLS AND SPRINGS.

EXPLANATION

		FORMATIONS	WATER-BEARING PROPERTIES
QUATERNARY	Qal	ALLUVIUM (RECENT)	SEEPS AND SHALLOW WELLS YIELD LIMITED QUANTITIES.
TERTIARY(?)	Ti	EXTRUSIVE IGNEOUS ROCKS	NON-WATER BEARING IN AREA.
CRETACEOUS	Kmu	UPPER PART OF MANCOS SHALE	NON-WATER BEARING IN AREA.
	Kgd	GALLUP SANDSTONE MEMBER AND DILCO COAL MEMBER OF MESAVERDE FORMATION	YIELDS WATER UNDER ARTESIAN PRESSURE TO WELLS.
	Kml	LOWER PART OF MANCOS SHALE	NON-WATER BEARING IN AREA.
	Kd	DAKOTA SANDSTONE	YIELDS WATER UNDER ARTESIAN PRESSURE TO WELLS.
JURASSIC	Jm	MORRISON FORMATION	YIELDS WATER UNDER ARTESIAN PRESSURE TO WELLS.
	Jt	TODILTO LIMESTONE MEMBER OF WANAKAH FORMATION (SAN RAFAEL GROUP)	NON-WATER BEARING
	Je	ENTRADA SANDSTONE (SAN RAFAEL GROUP)	YIELDS WATER AND OIL TO WELL 12M-25.

- 13° STRIKE AND DIP
- AXIS OF SYNCLINE
- AXIS OF ANTICLINE
- SEEP OR SPRING
- FLOWING WELL
- WELL WITH WINDMILL
- UNUSED WELL
- U. S. HIGHWAY 666
- GRADED ROAD
- WAGON ROAD

MAP BASED ON CONTROLLED MOSAIC PREPARED FROM AERIAL PHOTOGRAPHS
GEOLOGY BY J. W. HARSHBARGER

SCALE 0 1 2 MILES

JPM & SDG