



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
Qal ALLUVIUM (RECENT)	SEEPS AND SHALLOW WELLS YIELD LIMITED QUANTITIES.
Ti EXTRUSIVE IGNEOUS ROCKS	NON-WATER BEARING IN AREA.
Kmu UPPER PART OF MANCOS SHALE	NON-WATER BEARING IN AREA.
Kgd GALLUP SANDSTONE MEMBER AND DILCO COAL MEMBER OF MESAVERT 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.
Jm MORRISON FORMATION	YIELDS WATER UNDER ARTESIAN PRESSURE TO WELLS.
Jt TUDILTO 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.
3° STRIKE AND DIP	○ SEEP OR SPRING
— AXIS OF SYNGLINE	● FLOWING WELL
— AXIS OF ANTICLINE	○ WELL WITH WINDMILL
	○ UNUSED WELL
	— U. S. HIGHWAY 666
	== GRADED ROAD
	--- WAGON ROAD