



V502, EDITION 3  
 Prepared by the U. S. Army Topographic Command (BESK), Washington, D. C. Compiled in 1955 by photogrammetric methods and from United States quadrangles, 1:24,000, 1953. Planimetry revised from aerial photographs taken 1954. Photographs field annotated 1954. Revised in 1975 by the U. S. Geological Survey from aerial photographs taken 1972.  
 Area covered by light-blue pattern is subject to controlled inundation 100,000-foot grid based on Texas coordinate system, north zone. Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

**LEGEND**  
 Figures in red denote approximate distances in miles between stars

**POPULATED PLACES**  
 Over 500,000  
 100,000 to 500,000  
 25,000 to 100,000  
 5,000 to 25,000  
 1,000 to 5,000  
 Less than 1,000

**ROADS**  
 Primary, all-weather, hard surface  
 Secondary, all-weather, hard surface  
 Light-duty, all-weather, hard or improved surface  
 Fair or dry weather, unimproved surface  
 Trail  
 Interchange

**RAILROADS**  
 Single track  
 Double or Multiple track  
 Narrow gauge  
 Landplane airport  
 Landing area  
 Seaplane airport  
 Seaplane anchorage  
 Woods-brushwood

**BOUNDARIES**  
 International  
 State  
 County  
 Park or reservation

**Other Symbols**  
 Mine  
 Landmark: School, Church, Other  
 Spot elevation in feet  
 Marsh or swamp  
 Intermittent or dry stream  
 Power line

**Scale 1:250,000**  
 0 5 10 15 20 25 30 Statute Miles  
 0 5 10 15 20 25 30 Nautical Miles

**CONTOUR INTERVAL 100 FEET**  
 WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS  
 TRANSVERSE MERCATOR PROJECTION  
 BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 14  
 1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 11° (200 MILES) EASTERLY FROM THE CENTER OF THE WEST EDGE TO 10° (180 MILES) EASTERLY FROM THE CENTER OF THE EAST EDGE  
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

**LOCATION DIAGRAM**

NJ 13-8	NJ 13-9	ROOSE CITY	NJ 14-7	NJ 14-8	NJ 14-9
NJ 13-11	NJ 13-12	COLONIA	NJ 14-10	NJ 14-11	NJ 14-12
PLANTA PE	NI 13-3	NI 14-1	NI 14-2	NI 14-3	OKLAHOMA
NEW MEXICO	NI 13-6	NI 14-4	NI 14-5	NI 14-6	TEXAS
FORT SUMNER	NI 13-9	NI 14-7	NI 14-8	NI 14-9	OKLAHOMA CITY
NI 13-8	NI 13-9	LUBBOCK	NI 14-7	NI 14-8	NI 14-9
ROSWELL	BROWNFIELD				

**GRID ZONE DESIGNATION:** 14S  
 100,000 M. SQUARE IDENTIFICATION: KQ LQ MQ  
 RP LP MP

**TO GIVE A STANDARD REFERENCE TO THIS SHEET TO MARKET 800 METERS**  
 SAMPLE POINT: KINGSMILL  
 1. First letters identifying 100,000 meter square in which the point lies.  
 2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself.  
 3. Locate first HORIZONTAL grid line to point. Estimate tenths from grid line to point. Estimate tenths from grid line to point.  
 4. Estimate tenths from grid line to point.  
 5. Estimate tenths from grid line to point.

**SAMPLE REFERENCE:** 14S 148 148 148  
 148502228  
 148502228

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