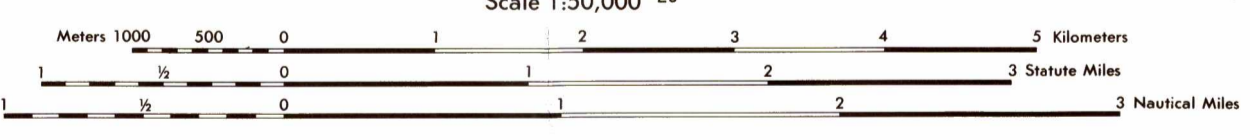


AMS V781
EDITION 2-AMS

Prepared by the Army Map Service (AMRS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1950 from New Mexico, 1:25,000, AMS, Sheets 4649 IV NE, SE, SW, NW, 1948. Original mapping by photogrammetric methods using aerial photography dated Jan., Oct., 1946 and Jan., 1947, with planimetric detail revised by photogrammetric methods from aerial photography dated 1948. Horizontal and vertical control by USC&GS, USGS and Fairchild Aerial Surveys, Inc. Public land lines are based on the New Mexico Principal Meridian. Map field checked. This map complies with the national standard map accuracy requirements.

LEGEND
ROAD DATA 1948

Hard surface, heavy duty road, four or more lanes wide	4 LANE LINES	Improved light duty road, street	—
Hard surface, heavy duty road, two lanes wide	2 LANE LINES	Unimproved dirt road	—
Hard surface, medium duty road, four or more lanes wide	4 LANE LINES	Trail	—
Hard surface, medium duty road, two lanes wide	2 LANE LINES	Route markers: Federal; State	—
Buildings	—	Horizontal control point	△
School; Church	—	Bench mark, monumented	BM X792
Standard gauge railroad	Single track Double track	Bench mark, non-monumented	X431
Narrow gauge railroad	—	Spot elevations in meters: Checked, Unchecked	168 * 168
Railroad in street	—	Woods or brushwood	—
Canals	—	Vineyard; Orchard	—
National boundary	—	Intermittent lake	—
State boundary (with monument)	—	Intermittent stream or dry wash; Dam	—
County boundary	—	Swamp, marsh	—
County subdivision boundary	—	Rapids; Falls	—
Corporate limits	—	Large rapids; Large falls	—
Reservation boundary	—	Public land line, reliable	—
Public land line, reliable	—	Public land line, unreliable	—



Scale 1:50,000

CONTOUR INTERVAL 10 METERS

VERTICAL DATUM: SEA LEVEL OF 1929

TRANSVERSE MERCATOR PROJECTION

HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM

BLACK NUMBERED LINES INDICATE THE 1,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 18

THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

GRID ZONE DESIGNATION: 18S	TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS
100,000 M. SQUARE IDENTIFICATION	SAMPLE POINT: CHICKEN WELL
CG	1. Locate first VERTICAL grid line to LEFT of point and read LARGE figures (including the line letter) in the top or bottom margin, or on the line itself.
	2. Locate first HORIZONTAL grid line BELOW point and read LARGE figures (including the line letter) in the left or right margin, or on the line itself.
	3. Estimate tenths from grid line to point.
	4. Estimate hundredths from grid line to point.
	5. Estimate thousandths from grid line to point.
	6. Estimate ten-thousandths from grid line to point.
	7. Estimate hundred-thousandths from grid line to point.
	8. Estimate millionths from grid line to point.
	9. Estimate ten-millionths from grid line to point.
	10. Estimate hundred-millionths from grid line to point.
	11. Estimate billionths from grid line to point.
	12. Estimate ten-billionths from grid line to point.
	13. Estimate hundred-billionths from grid line to point.
	14. Estimate trillionths from grid line to point.
	15. Estimate ten-trillionths from grid line to point.
	16. Estimate hundred-trillionths from grid line to point.
	17. Estimate quadrillionths from grid line to point.
	18. Estimate ten-quadrillionths from grid line to point.
	19. Estimate hundred-quadrillionths from grid line to point.
	20. Estimate quintillionths from grid line to point.
	21. Estimate ten-quintillionths from grid line to point.
	22. Estimate hundred-quintillionths from grid line to point.
	23. Estimate sextillionths from grid line to point.
	24. Estimate ten-sextillionths from grid line to point.
	25. Estimate hundred-sextillionths from grid line to point.
	26. Estimate septillionths from grid line to point.
	27. Estimate ten-septillionths from grid line to point.
	28. Estimate hundred-septillionths from grid line to point.
	29. Estimate octillionths from grid line to point.
	30. Estimate ten-octillionths from grid line to point.
	31. Estimate hundred-octillionths from grid line to point.
	32. Estimate nonillionths from grid line to point.
	33. Estimate ten-nonillionths from grid line to point.
	34. Estimate hundred-nonillionths from grid line to point.
	35. Estimate decillionths from grid line to point.
	36. Estimate ten-decillionths from grid line to point.
	37. Estimate hundred-decillionths from grid line to point.
	38. Estimate undecillionths from grid line to point.
	39. Estimate ten-undecillionths from grid line to point.
	40. Estimate hundred-undecillionths from grid line to point.
	41. Estimate duodecillionths from grid line to point.
	42. Estimate ten-duodecillionths from grid line to point.
	43. Estimate hundred-duodecillionths from grid line to point.
	44. Estimate tredecillionths from grid line to point.
	45. Estimate ten-tredecillionths from grid line to point.
	46. Estimate hundred-tredecillionths from grid line to point.
	47. Estimate quattuordecillionths from grid line to point.
	48. Estimate ten-quattuordecillionths from grid line to point.
	49. Estimate hundred-quattuordecillionths from grid line to point.
	50. Estimate quindecillionths from grid line to point.
	51. Estimate ten-quindecillionths from grid line to point.
	52. Estimate hundred-quindecillionths from grid line to point.
	53. Estimate sexdecillionths from grid line to point.
	54. Estimate ten-sexdecillionths from grid line to point.
	55. Estimate hundred-sexdecillionths from grid line to point.
	56. Estimate septendecillionths from grid line to point.
	57. Estimate ten-septendecillionths from grid line to point.
	58. Estimate hundred-septendecillionths from grid line to point.
	59. Estimate octodecillionths from grid line to point.
	60. Estimate ten-octodecillionths from grid line to point.
	61. Estimate hundred-octodecillionths from grid line to point.
	62. Estimate nineteenth-century from grid line to point.
	63. Estimate ten-nineteenth-century from grid line to point.
	64. Estimate hundred-nineteenth-century from grid line to point.
	65. Estimate twentieth-century from grid line to point.
	66. Estimate ten-twentieth-century from grid line to point.
	67. Estimate hundred-twentieth-century from grid line to point.
	68. Estimate twenty-first-century from grid line to point.
	69. Estimate ten-twenty-first-century from grid line to point.
	70. Estimate hundred-twenty-first-century from grid line to point.
	71. Estimate twenty-second-century from grid line to point.
	72. Estimate ten-twenty-second-century from grid line to point.
	73. Estimate hundred-twenty-second-century from grid line to point.
	74. Estimate twenty-third-century from grid line to point.
	75. Estimate ten-twenty-third-century from grid line to point.
	76. Estimate hundred-twenty-third-century from grid line to point.
	77. Estimate twenty-fourth-century from grid line to point.
	78. Estimate ten-twenty-fourth-century from grid line to point.
	79. Estimate hundred-twenty-fourth-century from grid line to point.
	80. Estimate twenty-fifth-century from grid line to point.
	81. Estimate ten-twenty-fifth-century from grid line to point.
	82. Estimate hundred-twenty-fifth-century from grid line to point.
	83. Estimate twenty-sixth-century from grid line to point.
	84. Estimate ten-twenty-sixth-century from grid line to point.
	85. Estimate hundred-twenty-sixth-century from grid line to point.
	86. Estimate twenty-seventh-century from grid line to point.
	87. Estimate ten-twenty-seventh-century from grid line to point.
	88. Estimate hundred-twenty-seventh-century from grid line to point.
	89. Estimate twenty-eighth-century from grid line to point.
	90. Estimate ten-twenty-eighth-century from grid line to point.
	91. Estimate hundred-twenty-eighth-century from grid line to point.
	92. Estimate twenty-ninth-century from grid line to point.
	93. Estimate ten-twenty-ninth-century from grid line to point.
	94. Estimate hundred-twenty-ninth-century from grid line to point.
	95. Estimate thirtieth-century from grid line to point.
	96. Estimate ten-thirtieth-century from grid line to point.
	97. Estimate hundred-thirtieth-century from grid line to point.
	98. Estimate thirty-first-century from grid line to point.
	99. Estimate ten-thirty-first-century from grid line to point.
	100. Estimate hundred-thirty-first-century from grid line to point.



APPROXIMATE MEAN DECLINATION 1951 FOR CENTER OF SHEET ANNUAL VARIATION CHANGE OF WESTERLY

Use diagram only to obtain numerical values. To determine magnetic north line, connect the point 'P' on the south edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, or plotted on the degree scale of the north edge of the map.

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1. Sierra County
2. Socorro County
3. Dona Ana County

Sheet 4649 IV falls within NT 13-16, AMS V502, 1:250,000

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