



Base prepared by the Army Map Service (HFDV), Corps of Engineers, U.S. Army, Washington, D. C. Compiled in 1958 by photogrammetric methods and from United States Quadrangles, 1:24,000 and 1:62,500, USGS, 1942-1950. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS and USGS. Photography field annotated 1959.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

INDEX TO COUNTY BOUNDARIES

See separate index for names of numbered stations

Station reported not recovered

Measured Base - Electronic or Taped

Line of triangulation observed from one end only

Line of triangulation observed from both ends

Theodolite Traverse - Electronic Distance

Transit Traverse - Taped Distance Third Order

Transit Traverse and Leveling Third Order

PLANE COORDINATE ZONES

OKLAHOMA NORTH MISSOURI WEST

OKLAHOMA SOUTH MISSOURI WEST

OKLAHOMA NORTH MISSOURI WEST

OKLAHOMA SOUTH MISSOURI WEST

HORIZONTAL CONTROL

Coast & Geodetic Survey

Geological Survey

Monumented Point - First Order

Monumented Point - Second Order

Monumented Point - Third Order

Located Object - Third Order

See separate index for names of numbered stations

Station reported not recovered

Measured Base - Electronic or Taped

Line of triangulation observed from one end only

Line of triangulation observed from both ends

Theodolite Traverse - Electronic Distance

Transit Traverse - Taped Distance Third Order

Transit Traverse and Leveling Third Order

VERTICAL CONTROL

Coast & Geodetic Survey

Geological Survey

First Order

Second Order

Third Order

STATE SURVEY CONTROL

Horizontal or Vertical

Horizontal or Vertical

Horizontal or Vertical

SECTIONIZED TOWNSHIP

6 5 4 3 2 1

7 8 9 10 11 12

13 14 15 16 17 18

19 20 21 22 23 24

25 26 27 28 29 30

31 32 33 34 35 36

TRANSVERSE MERCATOR PROJECTION

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

LEGEND

ROAD DATA, 1958

RAILROADS

Standard gauge

Narrow gauge

International

State

County

Park or reservation

RAILROADS

Standard gauge

Narrow gauge

International

LOCATION DIAGRAM FOR NJ 15-10

36 095 4 36 095 1 36 094 4 36 094 1

36 095 3 36 095 2 36 094 3 36 094 2

36 095 2 36 095 1 36 094 2 36 094 1

36 095 1 36 095 0 36 094 1 36 094 0

36 094 4 36 094 3 36 093 4 36 093 3

36 094 3 36 094 2 36 093 3 36 093 2

36 094 2 36 094 1 36 093 2 36 093 1

36 094 1 36 094 0 36 093 1 36 093 0

36 093 4 36 093 3 36 092 4 36 092 3

36 093 3 36 093 2 36 092 3 36 092 2

36 093 2 36 093 1 36 092 2 36 092 1

36 093 1 36 093 0 36 092 1 36 092 0

COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

36 095 4 36 095 1 36 094 4 36 094 1

36 095 3 36 095 2 36 094 3 36 094 2

36 095 2 36 095 1 36 094 2 36 094 1

36 095 1 36 095 0 36 094 1 36 094 0

36 094 4 36 094 3 36 093 4 36 093 3

36 094 3 36 094 2 36 093 3 36 093 2

36 094 2 36 094 1 36 093 2 36 093 1

36 094 1 36 094 0 36 093 1 36 093 0

36 093 4 36 093 3 36 092 4 36 092 3

36 093 3 36 093 2 36 092 3 36 092 2

36 093 2 36 093 1 36 092 2 36 092 1

36 093 1 36 093 0 36 092 1 36 092 0

COUNTY DESIGNATIONS

1 Washington

2 Nowata

3 Nowata

4 Nowata

5 Nowata

6 Nowata

7 Nowata

8 Nowata

9 Nowata

10 Nowata

11 Nowata

12 Nowata

13 Nowata

14 Nowata

15 Nowata

16 Nowata

17 Nowata

18 Nowata

19 Nowata

20 Nowata

21 Nowata

GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

36 095 4 36 095 1 36 094 4 36 094 1

36 095 3 36 095 2 36 094 3 36 094 2

36 095 2 36 095 1 36 094 2 36 094 1

36 095 1 36 095 0 36 094 1 36 094 0

36 094 4 36 094 3 36 093 4 36 093 3

36 094 3 36 094 2 36 093 3 36 093 2

36 094 2 36 094 1 36 093 2 36 093 1

36 094 1 36 094 0 36 093 1 36 093 0

36 093 4 36 093 3 36 092 4 36 092 3

36 093 3 36 093 2 36 092 3 36 092 2

36 093 2 36 093 1 36 092 2 36 092 1

36 093 1 36 093 0 36 092 1 36 092 0

36 092 4 36 092 3 36 091 4 36 091 3

36 092 3 36 092 2 36 091 3 36 091 2

36 092 2 36 092 1 36 091 2 36 091 1

36 092 1 36 092 0 36 091 1 36 091 0

ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM COAST & GEODETIC SURVEY, ESSA, ROCKVILLE, MARYLAND, 20852.

ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242.

TULSA, OKLA., ARK., KANS., MO. (N.J. 15-10)

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 WASHINGTON, D. C.
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 DATE JUL 1969

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 1
 QUADS 360941-2-3-4 & 360951-2-3-4
 ARK-MO-OKLA
 LATITUDE 36°00' TO 37°00'
 LONGITUDE 94°00' TO 96°00'
 DIAGRAMNJ 15-10 TULSA

KEY NO	STATION NAME	QUAD. NO.	STATION NO.
1	BENTONVILLE MUNICIPAL WATER TANK	360942	1026
2	ROGERS SOUTHWESTERN GAS AND ELEC CO TANK	360942	1039
3	ROGERS GREGORY ROBINSON SPEARS INC TANK	360942	1038
4	FAYETTEVILLE UNIV OF ARK M BLDG N TOWER	360942	1032
4	FAYETTEVILLE UNIV OF ARK M BLDG S TOWER	360942	1033
4	FAYETTEVILLE UNIV OF ARK ENG BLDG SE COR	360942	1021
4	FAYETTEVILLE MAGNETIC STATION	360942	1021
5	FAYETTEVILLE CENTRAL PRESBY CH SPIRE	360942	1028
5	FAYETTEVILLE FIRST PRESBY CH SPIRE	360942	1030
5	FAYETTEVILLE CENTRAL METHODIST CH SPIRE	360942	1027
6	CLAREMORE MUNI ELEC POWER PLANT STACK	360953	1018
6	CLAREMORE LARGE MUNICIPAL WATER TANK	360953	1017
7	TULSA STATION KVOO EAST RADIO MAST	360953	1031
7	TULSA STATION KVOO WEST RADIO MAST	360953	1032
8	TULSA FAIRGROUNDS SE OIL DERRICK	360953	1026
8	TULSA FAIRGROUNDS NW OIL DERRICK	360953	1025
9	TULSA CATHOLIC CATHEDRAL TALLEST SPIRE	360953	1023
9	TULSA NATIONAL BANK BLDG UPPER TOWER	360953	1027
9	TULSA PHILTOWER CENTER OF TOP	360953	1028
10	TULSA PUBLIC MARKET FLAGPOLE	360953	1029
11	TULSA BOSTON AVE M E CH S TOP CENTER	360953	1022
12	SOUTH COFFEYVILLE STA KGGF N RADIO TOWER	360954	1017
12	SOUTH COFFEYVILLE STA KGGF S RADIO TOWER	360954	1018
13	COX RM 5	360944	1036
13	JOPLIN LOOKOUT TOWER	360944	1037
14	NEOSHO NEW MUNICIPAL WATER TANK	360941	1045
14	NEOSHO MUNICIPAL WATER TANK	360941	1029

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
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