

THE UNITED STATES LAND SURVEY SYSTEM

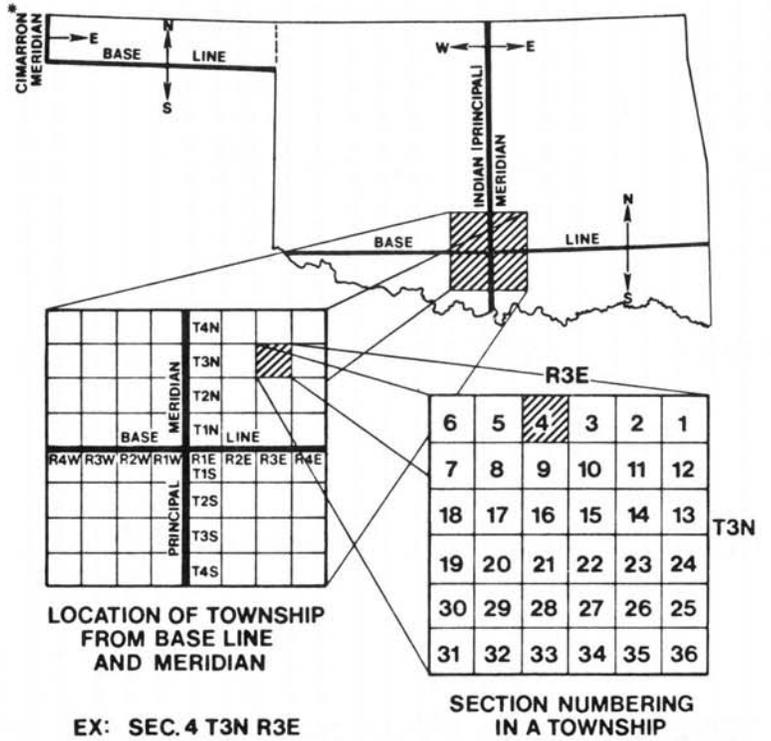
OKLAHOMA WATER RESOURCES BOARD

THE UNITED STATES LAND SURVEY SYSTEM is cartographically represented by lines running North and South and East and West. These lines are six miles apart and the square formed in this manner contain thirty-six square miles and are called Congressional Townships. This system of survey starts from the intersection of a principal Meridian and a Base line.

Oklahoma has two systems of intersecting Base lines and meridians. The system covering the major portion of the state extends north and south from the Base line near the southern border and east and west from the Indian meridian which bisects the state through the center.

*The second system serves the panhandle only. It extends north and south from a Base line which lays nearly parallel to, and as much as 300 feet north of the southern border therefore leaving township one south only a small strip of land along the north side of sections one through six of each range. It extends east from the Cimarron meridian which is also the west border of the panhandle.

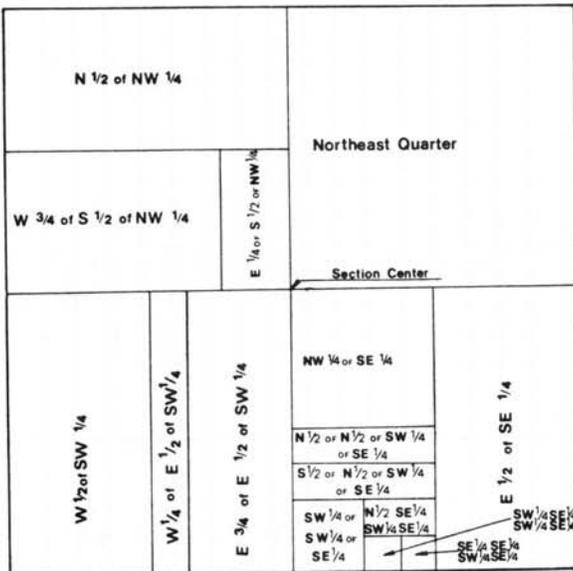
Numbers starting from each intersection of a principal Meridian and Base line, increasing North or South along the Meridians are known as Township Numbers, and those going East and West along the Base lines are called Range Numbers.



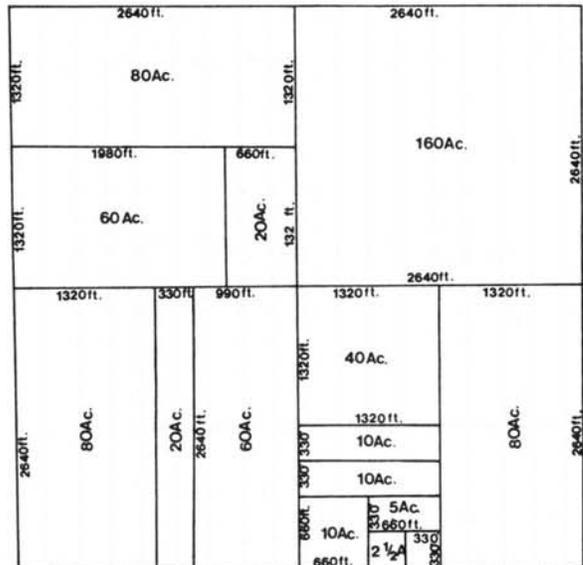
LAND MEASURE

- A Rod = 16½ ft.
- A Chain = 100 links, 66 ft. or 4 rods
- A Mile = 320 rods, 80 chains or 5280 ft.
- A Square Rod = 272¼ sq. ft.
- An Acre contains 43,560 sq. ft.
- An Acre contains 160 sq. rods

- An Acre is about 208½ ft. square
- An Acre is 8 rods wide by 20 rods long, or any two numbers of rods whose product is 160 square rods.
- 25 x 125 ft. = .07 of an acre
- A Section = 640 acres



LEGAL METHOD OF DESCRIBING FRACTIONAL PARTS OF A SECTION.



ACREAGE & DIMENSIONS OF FRACTIONAL PARTS OF A SECTION.

NW NW NW	NE NW NW	NW NE NW	NE NE NW	NW NW NE	NE NW NE	NW NE NE	NE NE NE
SW NW NW	SE NW NW	SW NE NW	SE NE NW	SW NW NE	SE NW NE	SW NE NE	SE NE NE
NW SW NW	NE SW NW	NW SE NW	NE SE NW	NW SW NE	NE SW NE	NW SE NE	NE SE NE
SW SW NW	SE SW NW	SW SE NW	SE SE NW	SW SW NE	SE SW NE	SW SE NE	SE SE NE
NW NW SW	NE NW SW	NW NE SW	NE NE SW	NW NW SE	NE NW SE	NW NE SE	NE NE SE
SW NW SW	SE NW SW	SW NE SW	SE NE SW	SW NW SE	SE NW SE	SW NE SE	SE NE SE
NW SW SW	NE SW SW	NW SE SW	NE SE SW	NW SW SE	NE SW SE	NW SE SE	NE SE SE
SW SW SW	SE SW SW	SW SE SW	SE SE SW	SW SW SE	SE SW SE	SW SE SE	SE SE SE

A typical section showing the various ten-acre tracts and their location within that section. According to the Oklahoma Groundwater Law, each groundwater well location must be described to the nearest ten-acre tract.