

T. 21 S., R. 62 E.

| Obs. Telescope | | Sun Watch Time | Vertical Angle | Horizontal Angle |
|----------------|----------|----------------|----------------|------------------|
| | | Pacific St. | | flag to sun |
| | | War Time | | |
| | | h m s | | |
| 1st | Direct | 3-25-26 | 45° 20' | 67° 20' |
| " | Reversed | 3-30-18 | 44° 52' | 67° 39' |
| | Mean | 3-27-52 | 45° 06' | 67° 29' 30" |
| 2nd | Direct | 3-26-27 | 45° 05' | 66° 46' |
| " | Reversed | 3-29-26 | 45° 06' | 68° 13' |
| | Mean | 3-27-56 | 45° 05' 30" | 67° 29' 30" |
| 3rd | Direct | 3-27-17 | 44° 56' | 67° 45' |
| " | Reversed | 3-28-29 | 45° 17' | 67° 15' |
| | Mean | 3-27-53 | 45° 06' 30" | 67° 30' |

Mean true bearing of flag S. 0° 06' 05" E.

Which agrees with the true bearing bet. secs. 4 and 5. All lines and connections were run by direct methods of this survey and frequently tested by other observations.

The magnetic variation in the three townships of this group was not observed.

April 20, 1943.

General Description

The land within the township consists of nearly level valley and rolling land through the center, and has a southeasterly drainage from the northwest corner of the township; it averages about four miles in width, with an elevation of 2500 to 2000 ft. above sea level. The soil is mostly a fine, sandy clay and adobe with considerable alkali. The top soil has a very thin coating of loam, and below the subsoil about 2 ft. below the surface is generally found gypsum, a gravelly hard pan.

Drainage is good, the main system being several branches of Las Vegas Wash. Some truck farming is carried on in sections 30, 31, and 28 by irrigation from artesian wells. The rainfall is ordinarily deficient for general farming. Throughout the township are groves of mesquite trees principally along the east branch of Las Vegas Wash. The area in sections 1, 2, 11, 12, 13, 14, 24, and 32 is rolling to rough mountainous, very broken and rocky. Sections 19, 30, and 31 are on a table land bench.

The most important developments at the present time are housing projects on both sides of the main paved highway from the Basic Magnesium plant to Las Vegas. Several subdivisions of townsites are in construction as shown on the official plat. The U. S. paved highway Nos. 93, 95, and 466, which is a two-lane highway, extends from the northwest corner of section 7 to nearly the southeast corner of sec. 35, through this township. The whole area is further covered with a fairly dense growth of creosote brush and scattering greasewood and sagebrush with a scant growth of various grasses. There are several telephone and power lines and numerous branch graded roads extending through the township area. A graded road, namely Charleston Road or Boulevard, extends easterly from the southeast corner of Las Vegas city limits along the Fifth Standard Parallel South, four and a half miles when it extends to the Frenchman Mine located in section 1.