

Survey completing the Subdivisions of T. 9 N., R. 45 E.

Chains

1/4 S 5
1940

from which

The 1/4 sec. cor. of sec. 32, on S. bdy. of T. 10 N., R. 45 E., bears East, 8.85 chs. dist.

At a point 40.00 chs. in departure W. from the closing cor. of secs. 5 and 6, on the N. bdy. of sec. 6.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 1/4 sec. cor. for sec. 6 only, with brass cap mkd.

1/4 S 6
1940

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

From this cor. the 1/4 sec. cor. of sec. 31, T. 10 N., R. 45 E., bears East, 8.81 chs. dist.

Memorandum.

The segregation of the mineral claims in sec. 6 and the computations of the areas of the fractional lots that are subject to entry as agricultural land are derived by aid of the field notes and plats of the mineral patent surveys which show the connecting courses and distances to the U.S. Mineral Monument located in unsurveyed T. 9 N., R. 44 E., and which is now connected by course and distance to the cor. of secs. 6 and 7, on the W. bdy. of T. 9 N., R. 45 E.

Final direct altitude observation verifying lines.

July 12, 1940: At the cor. of secs. 6 and 7, on the W. bdy. of T. 9 N., R. 45 E., in lat. 38° 38' 30" N., and long. 116° 57' 55" W., I make a series of three altitude observations upon the sun for azimuth, each with the telescope in direct and reversed position, observing opposite limbs of the sun, and reading the horizontal deflection angle from a flag about 20.00 chs. S.; and using 120° meridian Pacific Standard Time.

| Obs. | Teles-cope | Sun Watch Time | Vertical Angle | Horizontal Angle |
|------|------------|------------------|----------------|------------------|
| 1st | Direct | h m s 9-11-40 | 51° 37' | 75° 27' |
| " | Reversed | 9-17-10 | 53° 09' | 75° 07' |
| | Mean | 9-14-25 | 52° 23' | 75° 17' |
| 2nd | Direct | 9-12-40 | 51° 46' | 76° 07' |
| " | Reversed | 9-16-12 | 53° 00' | 74° 26' |
| | Mean | 9-14-26 | 52° 23' | 75° 16' 30" |