

416

SURVEYS, GROUP 137 NEVADA: TEST OF INSTRUMENTS.

Chains

July 8, 1933: At a point approximately $2\frac{1}{2}$ miles N. of the Tp. cor. bet. Rs. 59 and 60 E., T. 46 N., M.D.M., in approximate latitude $41^{\circ}52'$ N., and longitude $115^{\circ}15'$ W., at 7h 27m 55s p.m., l.m.t., I make an hour angle observation on Polaris, west of the meridian, making observations with the telescope in direct and reversed positions, reading the deflection angle from the E. edge of a hay stack about 10 miles dist. to the N., west to Polaris:

Mean defl. angle from Polaris to stack. $0^{\circ}25'45''$ ✓
 Azimuth of Polaris. $0^{\circ}20'15''$ ✓
 True bearing to ref. point N. $0^{\circ}05'30''$ W. ✓

The foregoing azimuth determinations are three of several made during the survey of Group 137 Nevada.

INDEPENDENT RESURVEY OF THE NINTH STANDARD PARALLEL NORTH.

Along the south boundary of T. 46 N. through R. 60 E.

SUPERSEDING THE SURVEY EXECUTED BY DENNIS SCULLY, 1896.

Beginning at the standard cor. of Tps. 46 N., Rs. 60 and 61 E., which is a basaltic stone 6x12x12 ins. above ground, firmly set and mkd. with SC 46N and 6 grooves on the N. face, 61E and 6 grooves on the E. face, and 60E and 6 grooves on the W. face, and witnessed by a mound of stone 3 ft. high and 5 ft. base N. of cor.; along the S. side of this stone set an iron post 3 ft. long, 3 ins. diam., 28 ins. in the ground, with brass cap mkd.

SC
T 46 N
R60E R61E
S36 S31

1933

West, with the reestablishment of the ninth standard parallel north, along the S. bdy. of sec. 36, T. 46 N., R. 60 E., on a transit line describing the secant, which starts from a point 4 lks. S. of the Tp. cor., and bears N. $89^{\circ}57.7'$ W.

Over flat topped spurs and benchland cut by deep canyons; asc. 315 ft. on a steep E. slope.

13.10 Edge of top, bears N. and S.; asc. 50 ft. across top.

17.68 Fall 3 lks. S. of the old closing cor. of Tps. 45 N., Rs. 60 and 61 E., which is a basaltic stone 10x3x8 ins. above ground, firmly set, mkd. CC, 6 notches and 45N on the S. face, 61E and 6 notches on the E. face, 60E and 6 notches on the W. face, and witnessed by a mound of stone to the S.

Note:

(The reduced true line course and distance from the standard Tp. cor. is West, 17.68 chs.)

19.50 Spur, projects S.; desc. 25 ft. across top.

24.00 Edge of top, bears N. and S.; desc. 140 ft. on a broken W. slope.