

T. 47 N., R. 28 E.

## Chains

The survey of the frac. 4th meridional line, T. 47 N., R. 28 E., was executed with Buff and Buff light mountain solar transit No. 9210, the property of the General Land Office. For description, date of approval, and field tests together with tests of all minor equipment, see the field notes of the resurvey of the 9th standard parallel N., through range 26 E., this group.

The geographic position of the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., is latitude  $41^{\circ} 57' 30''$  N. and longitude  $118^{\circ} 47' 00''$  W.

At the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., I make an altitude observation of the sun, first setting on the sun's lower and left limbs, then, after reversal of the instrument setting on the upper and right limbs; the horizontal angles were measured from a flag, NE. to the sun.

Mean watch time of obsn. a.m.	9h 27m 00s
Mean vertical angle	$26^{\circ} 28' 45''$
Mean horizontal angle	$143^{\circ} 55' 00''$
Reduced bearing of flag	N. $0^{\circ} 00' 11''$ W.

By comparison, this observation indicates that the 4th meridional line, T. 46 N., R. 28 E., has been carried forward acceptably.

The observed magnetic variation is N.  $20^{\circ} 00'$  E.

I commence the survey of the 4th meridional line, T. 47 N., R. 28 E., same being a portion of the east boundary of the Charles Sheldon Antelope Range, at the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which is monumented with an iron post, 2 ins. diam., 6 ins. above ground, marked and witnessed as described in the field notes of the retracement and partial reestablishment of the N. bdy. of T. 46 N., R. 28 E.

North, bet. secs. 32 and 33.

Asc. 180 ft. over rolling land, along a W. slope, through scattering undergrowth.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 32 and 33.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

S	$\frac{1}{4}$
A	S 32   S 33
R	1940

raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

68.70 Draw; drains N.  $80^{\circ}$  W.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd.

S	T 47 N	R 28 E
A	S 29   S 28	
R	S 32   S 33	
	1940	

raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, rolling.  
Soil, sandy, rocky clay, 3rd rate.  
No timber; undergrowth, sagebrush.  
Grazing, poor.