

Boundaries of T. 47 N., R. 30 E.

Latitudes, departures and closing errors.						
Line designated	True Bearing	Dist.	Latitudes.		Departures.	
			N	S	E	W
E. bdy. Tp.	N.1° 54'E.	311.15	310.98		10.32	
	N.0° 08'W.	42.21	42.21			.10
	N.0° 44'E.	41.92	41.92		.54	
	N.2° 05'E.	30.68	30.66		1.12	
	N.1° 32'E.	89.15	89.12		2.39	
N. bdy. of Tp.	S.89°18'W.	46.58		.57		46.58
	S.88°36'W.	248.61		6.07		248.53
	S.87°35'W.	34.46		1.45		34.43
	S.88°04'W.	151.38		5.11		151.29
	S.89°58'W.	12.68		.01		12.68
W. bdy. of Tp.	South	501.88		501.88		
W. bdy. of Tp.	East	310.57			310.57	
S. bdy. of Tp.	N.86°04'E.	83.77	5.75		83.57	
	S.86°49'E.	85.33		4.74	85.20	
Convergency						.65
Totals			520.64	519.83	493.71	494.26
			519.83			493.71
	Error in latitude		0.81	Error departure		0.55

GENERAL DESCRIPTION.

This township lies in the north end of Pueblo Valley, and is mountainous in the southeast, southwest and north-west portions. The soil in the mountainous portion is a light brown clay, mixed with decomposed granites, which is the general formation of the mountains. The soil of the valley land is a deep sandy loam, medium texture and generally free from rock, except along the base of the steep mountain slopes where loose rocks, gravels and shales have been washed over the land. Low sandy hummocks and

some shifting sand dunes are found in the north central portion of the township. A low grassy flat drains north-easterly through secs. 3, 4, 8, 9, 17 and 18. The soil in this flat is a deep moist dark loam with considerable alkali in evidence, which would retard the growth of irrigable crops. This flat is covered with a growth of greasewood, rabbit brush, wild rye and salt marsh grasses, and is useful for grazing purposes.

The township has but very little surface water or running springs. Some small seepage springs are found along the base of the mountains in sec. 6 and a running slough spring is located in the southwest part of sec. 4. This spring might indicate a subterranean supply of