

The land in this tp. can be divided into three general classes. The south eastern part, consisting of secs. 25,35,36; and the southeastern portions of secs. 34,26,23,24 and 13, is level or gently rolling land in the Boulder creek valley, with a gentle slope to the south or south east. This land is a good quality, fine to medium texture soil; derived from the disintegration of volcanic and lime rocks, and from wash from the surrounding volcanic mountains. It is from 2 to 4 ft. in depth, and if it could be irrigated would produce abundant crops of those things suited to the climate. The growing, summer season is rather short; with cool, backward springs; such crops as hay, potatoes and grain, would probably do better than those which require a longer, and warmer season. It is not probable that any thing to speak of could be raised without irrigation. The ground being quite dry.

Sloping steeply up from this valley land is a chain of steep, cliffy, volcanic mountains, or rim rock. This rim rock or cliffy mountain belt is about three quarters of a mile in width, and rises about 1100 ft. in elevation in that distance; and terminates at the top in a rolling mesa; which slopes to the north and north west from the top of the rim rock. This belt of rim rock, extends in a N.E. and S.W. direction through secs. 27 and 33; the N.W. part of secs. 13,23,26 and 34; and the S.E. part of secs. 12,14,22 and 28. This belt is practically worthless for any purpose, being very steep, covered with cliffs slide and rim rock; and with not much vegetation of any kind.

Sec. 31 and the southern portion of sec. 32 is also rough and mountainous; being covered with volcanic rock, loose and in place; but it is not so steep and affords more grass and other herbage for pasturage than the belt of rim rock, described above.

The balance of the tp., consisting of the northern, western and central part; is a rolling upland mesa; with a general slope to the north and northeast. There are