line of said canal and the west line of Section 12; thence S. 72°45' E along the center line, "L" Canal (this course checking exactly with a Polaris meridian determined during construction of "L" Canal)

41.62 Intersection with north and south midline of Section 12; thence S. 0°01' E

11.28 Center of Section 12, hereinbefore described. Thence N.89°58'W

40.06 West ½ corner, Section 12, and point of beginning. Containing 70.13 acres.

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Subdivision in Section 4.

Survey commenced May 7, 1912, and executed with W. and L.E. Gurley light mountain transit #553, provided with solar attachment, the horizontal limb having two opposite double verniers reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

I examine the adjustments of the transit and find them correct. To test the solar apparatus by comparing indications resulting from solar observations made during evening and morning hours, I proceed as follows: At the south end of the meridian I recently established by Polaris observation, at Fallon, Nevada, and reported in field notes of the survey of Lots 1 and 2, Section 12, Township 18 North, Range 29 East, I set off 39°28' on the latitude arc, and 16°5' on the declination arc, and at 7 hours 56 minutes a.m., local mean time, determine the meridian by solar and mark a point thereon 5.74 chains north on the established north monument of the meridian.

At the same place I set off 39°28' on the latitude arc and 16° 58' on the declination arc, and at 4 hours 56 minutes p.m., local mean time, I determine the meridian by solar and mark a point thereon as in the preceding observation.

The points determined by solar fall respectively 9" east and 45" west of the true meridian as evidenced by the previously established monuments on the meridian; therefore I conclude that the solar attachment is correct.

My watch was compared with standard time by telegraphic clock on the morning of May 7th.

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Upon diligent search I find all necessary quarter and section corners in place, excepting the north ¼ corner of Section 4, which I proceed to re-establish as follows:

From the N.W. corner of Section 4, I run on a true line N.89°52' E to the N.E. corner, Section 4, on which a flag is visible; intersect corner at 80.14 chains. Retracing on a true line bearing S. 89o52' W., at 40.07 chains, I re-establish the ¼ corner on N. boundary of Section 4, by setting a concrete post 24" x 5" x 5", marked ¼ on the north and U.S.R.S. on top, with pits 18" x 18" x 12", 8' distant east and west and a mound 2' high south of corner.

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May 8th at the S.¼ corner of Section 4, which is in latitude 39°26½', longitude 118°43½', I set off 39°26' on the latitude arc, and 17°07½' on the declination arc, and at 7 hours 56 minutes a.m., local mean time, I determine the meridian by solar and mark a point thereon 5 chains north of the point occupied, establishing the meridian used in this survey.

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Flags set ~~out~~ on the four quarter corners of Section 4 being visible at the center of the section, I locate the center by obtaining the intersection of straight lines between opposite quarter corners by double centering with transit on each such line and mark the point with a concrete post 24" x 5" x 5", marked C.S. U.S.R.S. set 20" in the ground, obtaining the subdivision of the section into quarter sections.

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Exterior of S.E. Quarter, Section 4.

Chains Beginning at the S.¼ corner, I run on a true line toward a visible flag on the center of Section 4, N. 0°13' E

40.05 Center of section hereinbefore described; thence on a true line toward a visible flag on the E.¼ corner, Section 4, N.89°57'E

4.71 Intersect south or right, right-of-way line 1.14 chains from and parallel to the center line of "L" Canal, set a concrete post