

BOOK 2281.

Jr

NAMES AND DUTIES OF ASSISTANTS.

See Book B

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 2281

See Bk. B.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 19 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 19 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 19 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 19 _____ }



Subdivisional Lines of T. 15 S., R. 26 E.

Chains.

Survey commenced Dec. 29th, 1910, and executed with a Blount & Co.'s transit, No. 601, with W. and L. E. Gurley solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is the least count of the verniers of the latitude arc, that of the decl. arc, by its vernier, being read to 30" of arc.

The instrument has been examined during the past two or three years by the U. S. Surveyor General, at Santa Fe, N. M., and tested on the true meridian there and found correct and approved by the United States Surveyor General for New Mexico several times.

I examine the adjustment of the transit and find them all to be correct; then to test its solar apparatus by a comparison of its indications, resulting from solar obs. made during a. m. and p. m. hours, with a meridian determined by obs. upon Polaris, I proceed as follows:-

Standard & 27
At the corner of tp. 15 S., R. 26 E.: latitude $32^{\circ}04'$ $25''$ N. Long. $109^{\circ}32'47''$ W.; I set off $23^{\circ}13'$ S. on the decl. arc, $57^{\circ}56'$ on the co-lat. arc and at 3h, p. m., l. m. t. determine a mer. with the solar at this corner, and mark a point in the line thus determined on a stake, driven 5 chs. N. of my station, by a pencil mark.

At 6h 58m, p. m., l. m. t., by my watch, I obs. Polaris at upper culmination in accordance with Manual of instructions and mark a point in the mer. thus determined by a pencil mark on the peg previously described 5 chs. N. of my station. This point falls 0.5 ins. W. of the point as determined by the Solar.
Dec. 29th, 1910.

Dec. 30th:- At 10h, a. m. l. m. t., I set off $23^{\circ}10\frac{1}{2}'$ S. on the decl. arc, $57^{\circ}56'$ on the colat. arc and determine a mer. with the solar, and mark a point in the mer. thus determined on the peg already set 5 chs. N. of my station; this mark falls 00.3 ins. W. of the mer. as determined by Polaris.

The solar apparatus by p. m. and a. m. obs., defines positions for meridians, respectively $0^{\circ}26''$ E. and $16''$ W. of the mer. established by the Polaris obs.; therefore I conclude that the adjustments of the instrument are satisfactory.
Mag. Decl. $14^{\circ}-20''$ E.

Retracement of E. bdy.

From the township corner already described, I run North, and at 40.03 chs. fell $18\frac{1}{2}$ lks. E. of the $\frac{1}{4}$ sec. cor. and at 80.07 fell 37 lks. to the East of the cor. of sections 25, 30, 31 and 36; hence the bearing of the E. bdy. of the township as shown by this retracement is $N.0^{\circ}16'$ W. High winds prevent further work to-day.
Dec. 30th, 1910.

Resurvey of the 3rd Standard Parallel South, Through R. 26 E.

Chains.

From the Standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 31, T. 15 S., R. 26 E., which corner is an old stake, properly marked and witnessed as described by the Surveyor General; I run East, making careful search for old cors., which I find have all been obliterated, and at 440.88 chs., being the mean measurements of a double set of chainmen, I fell 55 lks. N. of the Corner of Tps. 15 S., R. 26 E., and 27 E., which corner is a granite stone, 6x8x4 ins. above ground, properly marked and witnessed by a mound of stone, North. I then return to the $\frac{1}{4}$ sec. cor. above described on the S. bdy. of sec. 31.

S. 89°56'E. on a true line on the S. bdy. of sec. 31, through scattering mesquite brush.

Difference between measurements of 40.08 chs. by two sets of chainmen, 4 lks.

By First Set, 40.10 chs.

By 2nd set, 40.06 chs.; the mean of which is

40.08 Deposit a marked stone, 12 ins. in the ground for the Standard corner of sections 31 and 32, dig pits, 24x18x12 ins., crosswise on each line, N. E. and W. of cor., 5 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit,

In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

SCT15SR26E on N.

S32 on E. and S31 on W. face, with 1 groove on W. and 5 on E. faces.

Land rolling. Soil 2nd rate. Mesquite brush.

S. 89°56'E. on a true line on S. bdy. S. 32, through scattering mesquite brush.

Difference between measurements of 40.08 chs. by two sets of chainmen, is 6 lks.,

By 1st set of chainmen, 40.11 chs.

By 2nd set, 40.05 chs.; the mean of which is

40.08 Deposit a marked stone, 12 ins. in the ground for the standard $\frac{1}{4}$ sec. cor., dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, over deposit.

In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SCT $\frac{1}{4}$ S 32 on N. face

79.00 Road bears NW. and SE.

Difference between the measurements of 80.16 chs. by two sets of chainmen, is 8 lks.,

By 1st set, 80.20 chs.,

By 2nd set, 80.12 chs.; the mean of which is

80.16 Deposit a marked stone, 12 ins. in the ground, for the standard corner of secs. 32 and 33, dig pits, 24x18x12 ins., E. W. and N. of cor., 5 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit;

In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SCT15SR26E on N., S33 on E. and S32 on W. face, with 2 grooves on W. and 4 on E. faces.

Land rolling. Soil 2nd rate. No timber. Scattering mesquite brush.

S. 89°56'E. on a true line on S. bdy. of sec. 33. Over rolling ground.

3. Resurvey of the 3rd Standard Parallel South, through R.26 E.

Chains.

Difference between measurement of 40.08 chs. by two sets of chainmen is 4 lks., position of middle point

By 1st set, 40.10 chs.,
By 2nd set, 40.06 chs., the mean of which is

40.08 Deposit a marked stone, 12 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. 1 $\frac{1}{2}$ ft. high, over deposit,
In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SC $\frac{1}{4}$ S33 on N.

44.50 Road bears N.70°W. and S.70°E.

Difference between the measurements of 80.16 by two sets of chainmen is 10 lks, position of middle point,

By 1st set, 80.21 chs.
By 2nd set, 80.11 chs.; the mean of which is

80.16 Deposit a marked stone, 12 ins. in the ground, for the standard corner of secs. 33 and 34, dig pits, 24x18x12 ins., N. E. and W. of cor, 5 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit.
In E. pit, drive a mesquite stake, 2 ft. long, 2 ins., sq., 12 ins. in the ground, mkd. SCT15SR26E on N., S34 on E. and S33 on W. faces, with 3 grooves on E. and W. faces.

Land rolling. Soil 2nd rate. No timber.

S.89°56'E. on a true line on S. bdy. of sec. 34.

Difference between the measurement of 40.08 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set, 40.09 chs.
By 2nd set, 40.07 chs., the mean of which is

40.08 Deposit a marked stone, 12 ins. in the ground, for the standard $\frac{1}{4}$ sec. cor., dig pit, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, over deposit,
In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SC $\frac{1}{4}$ S34.

Difference between the measurement of 80.16 chs. by two sets of chainmen is 5 lks., the position of middle point is

By 1st set, 80.18 $\frac{1}{2}$ chs.,
By 2nd set, 80.13 $\frac{1}{2}$ chs., the mean of which is

80.16 Deposit a marked stone, 12 ins. in the ground for the standard corner of sections 34 and 35, dig pits, 24x18x12 ins., N. E. and W. of cor., 5 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit.
In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SCT15SR26E on N., S35 on E. and S34 on W. face, with 2 grooves on E. and 4 on W. faces.

Land rolling. soil 2nd rate. No timber.

S.89°56'E. on S. bdy. of sec. 35 over rolling ground.

The difference between the measurement of 40.08 chs. is 6 lks., position of middle point,

By 1st set, 40.11 chs.,
By 2nd set, 40.05 chs.; the mean of which is

40.08 Deposit a marked stone, 12 ins. in the ground for the standard $\frac{1}{4}$ sec. cor., dig pits, 18x18x12 ins., E. and W.

chains.

of cor. 4 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, over deposit. In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SC+S35.

Difference between the measurement of 80.16 chs. by two sets of chainmen is 8 lks., the position of middle point

By 1st set, 80.20 chs.,
By 2nd set, 80.12 chs.; the mean of which is

80.16 Deposit a marked stone, 12 ins. in the ground for the standard corner of secs. 35 and 36, dig pits, 24x18x12 ins., N. E. and W. of cor., 5 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit. In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SC115SR26E on N., S36 on E. and S35 on W. face, with 1 groove on the E. and 5 grooves on the W. faces.

Land rolling. Soil 2nd rate No timber.

Dec 31st:- At 4h. p. m., 1. m. t., I set off 23°4'S on the decl. arc, and 57°56' on the co-lat. arc, and determine a mer. with the solar at this cor.

S.89°56'E. on a true line on S. bdy. of sec. 36.

36.00 Road bears NW. and SE.

Difference between the measurement of 40.08 chs. by two sets of chainmen is 3 lks., the position of middle point is

By 1st set, 40.09 1/2 chs.,
By 2nd set, 40.06 1/2 chs., the mean of which is

40.08 Deposit a marked stone, 12 ins. in the ground for the standard section corner, dig pits, 18x18x12 ins., E. and W. of cor. 4 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, over deposit. In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. SC+S36 on N. face.

Difference between the measurement of 80.16 chs. by two sets of chainmen is 10 lks., the position of middle point is

By 1st set, 80.21 chs.,
By 2nd set, 80.11 chs., the mean of which is

80.16 Intersect the corner of Tp. 15 S., R. 26 and 27 E., previously described.

Land rolling. Soil 2nd rate. No timber.

Note:- The sky was overcast at noon and the sun not visible, hence solar obs. at that time impossible.
Dec. 31st, 1910.

Having only one set of chainmen, the line was chained twice. There were no stones or posts suitable for corners any where in the vicinity of this line and it was necessary to pack stakes from the Western extremity of this line where some mesquite bushes grew in order to have stakes in order to make corners with deposits, this being the only form of corner available under the circumstances.

Hugh F. Ouellet

U. S. D. S.

Resurvey of a part of the E. bdy. T. 15 S., R. 26 E.

Chains.

From the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12 on the E. bdy. of the township, which cor. is a quartz stone, 7x10x6 ins. above ground, properly marked and witnessed as described by the Surveyor General, I run South on a random line, At 40.00 fail to find any trace of the cor. of sections 7, 12, 13 and 18, after diligent search, and at 80.00 chs., fall 37 1k s. to the West of the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18, which cor. is a quartzite stone, 7x5x6 ins. above ground, properly marked and witnessed as described by the Surveyor General.

Thence I run N.0°16'W. on a true line bet. secs. 13 and 18.

25.06 As the point for the cor. of secs. 7, 12, 13 and 18, will fall in a sandy arroyo where its destruction would be inevitable,

I set a quartzite stone, 18x12x6 ins., 12 ins. in the ground for the witness corner of secs. 7, 12, 13 and 18, mkd. WC on NE. face, with 2 notches on the N. and 4 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

40.00 The point for the corner of sections, 7, 12, 13 and 18, falls in sandy draw 2 chs. wide, course S. 10°W..
Land rolling. Soil 2nd rate. No timber.

N.0°16'W. on a true line bet. secs. 7 and 12.

21.00 Leave sandy draw, course South, about 2 chs. wide.

40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12, previously described.

Land rolling. Soil 2nd and 3rd rate. No timber.

Note:- Above work done in connection with other work on Jan 2nd, 1911.

H. F. Dullal

U. S. D. S.

Chains.

January 3, 1911.

From the Standard corner of sections 35 and 36, on S. bdy. previously described, I run N. $0^{\circ}17'W.$ bet. secs. 35 and 36 over level ground.

39.85
40.00

Road bears NW. and SE.
Deposit a marked stone, 12 ins. in the ground, for the $\frac{1}{4}$ sec. cor., dig pits, N. and S. of cor., 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high over deposit; in south pit, drive a mesquite stake, 2 ins. sq., 24 ins. long, 12 ins. in the ground, mkd. $\frac{1}{4}$ S35 on W. and 36 on E. face.

80.00

Deposit marked stone, 12 ins. in the ground, for the corner of sections, 25, 26, 35 and 36, dig pits, $18 \times 18 \times 12$ ins. in each section, 4 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high over deposit; in SE. pit, drive mesquite stake, 2 ins. sq., 24 ins. long, 12 ins. in the ground, mkd. T15S S25 on NE. R26ES36 on SE., S35 on SW. and S 26 on NW. face, with 1 notch on S. and E. edges.
Land level. Soil 3rd rate. No timber.

S. $89^{\circ}56'E.$ on a random line bet. secs. 25 and 36.

40.00
79.89

Set temp. $\frac{1}{4}$ sec. cor.
Intersect E. bdy. of Tp. at a point 9 lks. S. of the corner of sections 25, 30, 31 and 36, which cor. is a quartzite stone, 6×6 ins. above ground, properly marked and witnessed as described by the Surveyor general. Thence
I run West on a true line bet. secs. 25 and 36.

39.94

Set a mesquite post, 4 ins. sq., 36 ins. long, with mkd. stone, 24 ins. in the ground for the $\frac{1}{4}$ section cor., mkd. $\frac{1}{4}$ S 25 on N. and 36 on S. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. (No. stone of sufficient dimensions for cor. purposes available).

79.89

The cor. of sections, 25, 26, 35 and 36.

N. $0^{\circ}17'W.$ bet. secs. 25 and 26 over level ground.

40.00

Set a quartzite stone, $12 \times 6 \times 5$ ins. (A large stone not being available) for the $\frac{1}{4}$ sec. cor., 8 ins. in the ground, mkd. $\frac{1}{4}$ on W. face, dig pits, $18 \times 18 \times 12$ ins. N. and S. of cor. $3\frac{1}{2}$ ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

44.00

Road bears NW. and SE.

80.00

Set a quartzite stone, $18 \times 7 \times 7$ ins., 12 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 2 notches on the S. and 1 notch on the E. edge, dig pits, $18 \times 18 \times 12$ ins., in each section, $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, $1\frac{1}{2}$ ft. high. W. of cor.

Land level. Soil 2nd rate. No timber.

East on a random line bet. secs. 24 and 25.

40.00

Set a temp. $\frac{1}{4}$ sec. cor.

Subdivisional Lines of T. 15 S., R. 26 E.

Chains.

79.81 Intersect the E. bdy. of the township at a point 12 lks. N. of the cor. of secs. 19, 24, 25 and 30, which cor. is a quartzite stone, 7x7x6 ins. above ground, properly marked and witnessed as described by the Surveyor General.

Thence I run N. 89°55'W. on a true line bet. secs. 24 and 25 over level ground.

39.90½ Set a quartzite stone, 18x6x6 ins., 12 ins. in the ground for the ¼ sec. cor., mkd. ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

79.81 The cor. of secs. 23, 24, 25 and 26. Land level. Soil 2nd rate. No timber.

N. 0°17'W. bet. secs. 23 and 24 over rolling ground.

40.00 Set a quartzite stone, 15x8x6 ins., 10 ins. in the ground, for the ¼ sec. cor., mkd. ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

80.00 Set a quartzite stone, 15x9x6 ins., 10 ins. in the ground for the cor. of secs. 13, 14, 23 and 24, mkd. mkd. with 3 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. and rolling, No timber. Soil 2nd rate.

S. 89°55'E. on a random line bet. secs. 13 and 24.

40.00 Set a temp. ¼ sec. cor.

79.85 Intersect the E. bdy. of the Tp. at a point 23 lks. South of the corner of secs. 13, 18, 19 and 24, which is a Quartz stone 20x12x4 ins. 15 ins. in ground, marked and witnessed as described by the Surveyor General. Thence I run S. 89°55'W. on a true line bet. secs. 13 and 24 over rolling ground.

39.92½ Set a quartzite stone, 18x6x6 ins., 12 ins. in the ground, for the ¼ sec. cor., mkd. ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

40.40 Arroyo, 30 lks. wide, course SW.

79.85 The cor. of secs. 13, 14, 23 and 24. Land rolling. No timber. Soil 2nd rate.

N. 0°17'W. bet. secs. 13 and 14 over rolling ground.

40.00 Set a granite stone, 15x7x5 ins., 10 ins. in the ground for the ¼ sec. cor., mkd. ¼ on W. face and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

76.40 Road to Cabezas, N E. and SW.

80.00 Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the cor. of secs. 11, 12, 13 and 14, mkd. with 4 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land rolling. No timber. Soil 2nd rate.

The Surveyor General.

Subdivisional Lines of T. 15 S. R. 26 E.

Chains.

Jan. 2nd:— At 3h, p. m., 1. m. t., I set off 22°56'S. on the decl. arc, and 57°52' on the co-lat. arc and determine a mer. with the solar at the cor. of secs. 11, 12, 13 and 14.

Thence I run N.89°55'E. on a random line bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

7 9.78 Intersect the E. bdy. of the township at a point 15.06 chs., N.0°16'W. of the witness corner, previously described, which corner is S.0°16'E., 14.94 chs. from the point where the corner of sections 7, 12, 13 and 18 falls.

Hence I run West on a true line bet. secs. 12 and 13 over rolling ground.

.20 NW. bank of Arroyo, 6 ins. high, bears NE. and SW.

39.89 Set a quartzite stone, 20x7x6 ins., 15 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, covered with earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

75.60 Road to Cabeza bears NE. and SW.

79.78 The cor. of secs. 11, 12, 13 and 14.
Land rolling. No timber. Soil 2nd rate. Sky overcast at noon, solar obs. impossible Jan. 2nd, 1911.

N.0°17'W. over rolling ground bet. secs. 11 and 12.

40.00 Set a quartzite stone, 18x9x7 ins., 12 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

57.00 Arroyo 50 lks. wide, course SW.

80.00 Set a quartzite stone, 15x6x6 ins., 10 ins. in the ground for the cor. of secs. 1, 2, 11 and 12, mkd. with 5 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

Land rolling and sloping to the SW. No timber. Soil 2nd rate.

East on a random line bet. secs. 1 and 12.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.27 Intersect the cor. of secs. 1, 6, 7 and 12, a quartzite stone, 6x5x4 ins. above ground, properly marked and witnessed as described by the Surveyor General.

Thence I run West on a true line bet. secs. 1 and 12 over rolling ground, descending.

14.42 Arroyo, 50 lks. wide, course SW.

32.57 Road bears SW. and NE. to Cabeza.

36.40 Arroyo, 50 lks. wide, course SW.

40.13 $\frac{1}{2}$ Set a quartzite stone, 15x6x6 ins., 10 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.27 The cor. of secs. 1, 2, 11 and 12.
Land rolling. Soil 2nd rate. No timber.

10. Subdivisional lines of T. 15 S. R. 26 E.

Chains.

- N. $0^{\circ}17'W.$ on a true line bet. secs. 1 and 2, over semi-mountainous ground.
- 2.25 Road bears N. $70^{\circ}E.$ and S. $70^{\circ}W.$
- 10.04 Canon 10 lks. wide, course SW.
- 40.00 Set a quartzite stone, $15 \times 10 \times 4$ ins., ^{10 ins. in ground} for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 75.64 Intersect the N. bdy. of the township at a point 3.35 chs. N. $89^{\circ}55'W.$ of the corner of secs. 1, 2, 35 and 36, which is a quartz stone $7 \times 5 \times 5$ ins. above ground, properly marked and witnessed as described by the Surveyor General with the exception that the mound is North of the corner.
Set a limestone. $15 \times 9 \times 7$ ins., 10 ins. in the ground for the closing corner of sections 1 and 2, mkd. CC on S. face with 1 groove on E. and 5 grooves on W. faces. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
Land rough and rocky. No timber. Soil 4th rate.
- Jan. 3rd:- At this corner, I set off $22^{\circ}51\frac{1}{2}'S$ on the decl. arc and at 12h. 04m. p. m., l. m. t. obs. the sun on the mer., the resulting lat. is $32^{\circ}10'N$
-
- Standard ^{on the S. bdy.}
From the cor. of secs. 34 and 35, previously described, I run N. $0^{\circ}17'W.$ bet. secs. 34 and 35 over fairly level ground.
- 40.00 Set a quartzite stone, $12 \times 8 \times 6$ ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, $18 \times 18 \times 12$ ins., N. and S. of cor. 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set a quartzite stone, $12 \times 7 \times 7$ ins., 8 ins. in the ground for the cor. of secs. 26, 27, 34 and 35, mkd. with 1 notch on the S. and 2 notches on the E. edge, dig pits, $18 \times 18 \times 12$ ins., in each section, $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land fairly level. Soil 2nd rate. No timber.
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- S. $89^{\circ}56'E.$ on a random line bet. secs. 26 and 35.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.16 Intersect the cor. of secs. 25, 26, 35 and 36.
Thence I run N. $89^{\circ}56'W.$ on a true line bet. se cs. 26 and 35 over nearly level land.
- 36.95 Road bears NW. and SE.
- 40.08 Set a quartzite stone, $12 \times 7 \times 6$ ins., 8 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, $18 \times 18 \times 12$ ins. E. and W. of cor. 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.16 The cor. of secs. 26, 27, 34 and 35.
Land nearly level. Soil 2nd rate. No timber.

Subdivisional Lines of T. 15 S., R. 26 E.

Chains.

N.0°17'W. bet. secs. 26 and 27 over rolling ground.

27.66 Road bears N.80°W. and S.80°E.

40.00 Set a quartzite stone, 12x7x6 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of cor. 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

54.69 Road N.80°W. and S.80°E.

80.00 Set a quartzite stone, 12x8x7 ins., 8 ins. in the ground for the cor. of secs. 22, 23, 26 and 27, mkd. with 2 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land rolling. No timber. Soil 2nd rate.

S.89°56'E. on a random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.07 Intersect the N. and S. line at a point, 9 lks. S. of the cor. of secs, 23, 24, 25, and 26.

Thence I run, West on a true line ^{bet. secs. 23 and 26} over rolling ground.

40.03 $\frac{1}{2}$ Set a quartzite stone, 12x9x7 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of cor. 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

70.16 Road bears N.80°W. and S.80°E.

80.07 The cor. of secs. 22, 23, 26 and 27.

Land rolling. Soil 2nd rate. No timber.

Jan. 3rd:- At 4 h., p. m. l. m. t., I set off 22°49'S. on the decl. arc, 57°54' on the co-lat. arc, and determine a mer. with the solar at this cor.

N.0°17'W. bet. secs. 22 and 23 over rolling ground.

3.59 Road bears N.80°W. and S.80°E.

40.00 Set a quartzite stone, 15x7x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.

55.00 Arroyo 20 lks. wide, course SW.

60.00 Road bears NE. and SW.

80.00 Set a porphyry stone, 18x11x6 ins., 12 ins. in the ground, for the cor. of secs. 14, 15, 22 and 23, mkd. with 3 notches on the S. and 2 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land rolling. No timber. Soil 2nd rate.

Jan. 3rd, 1911.

12. Subdivisional Lines of T. 15 S., R. 26 E.

Chains.

East on a random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.18 Intersect the N. and S. line at a point 7 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Thence I run, N. $89^{\circ}57'W.$ on a true line bet. secs. 14 and 23 over rolling ground.

40.09 Set a quartzite stone, $12 \times 7 \times 6$ ins., 8 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

56.27 Arroyo, 20 lks. wide, course, SW.
58.69 Road bears NE. and SW.

80.18 The cor. of secs. 14, 15, 22 and 23.
Land rolling. No timber. Soil 2nd rate.

N. $0^{\circ}17'W.$ bet. secs. 14 and 15 over rolling ground.

40.00 Set a quartzite stone, $12 \times 7 \times 6$ ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, $18 \times 18 \times 12$ ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

52.00 Road bears NEly. and SWly.

80.00 Set a quartzite stone, $15 \times 7 \times 7$ ins., 10 ins. in the ground for the cor. of secs. 10, 11, 14 and 15, mkd. with 4 notches on the S. and 2 notches on the E. edge, dig pits, $18 \times 18 \times 12$ ins., in each section, $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land rolling. Soil 2nd rate. No timber.

Jan. 4th:- At this cor. I set off $22^{\circ}46'S.$ on the decl. arc and at 12h. 5m. p. m., l. m. t. obs. the sun on the mer., the resulting lat. is $32^{\circ}8'N$

S. $89^{\circ}57'E.$ on a random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.45 Intersect the N. and S. line at a point 16 lks. N. of the cor. of secs. 11, 12, 13 and 14.

Thence I run, N. $89^{\circ}50'W.$ on a true line bet. secs. 11 and 14.

40.22 $\frac{1}{2}$ Set a cedar post, 4 ins. sq., 36 ins. long, with mkd. stone, 2 ft. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S11 on N. face and 14 on S. face; dig pits, $18 \times 18 \times 12$ ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

52.45 Road bears NE. and SW.

80.45 The cor. of secs. 10, 11, 14 and 15.
Land rolling. Soil 2nd rate. No timber.

N. $0^{\circ}17'W.$ bet. secs. 10 and 11, over rolling ground.

8.42 Road bears NE. and SW.

Chains.	
12.20	Road bears N. 80° E. and S. 80° W.,
40.00	Set a quartzite stone, 15x7x7 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor. 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
52.43	Arroyo, 50 lks. wide, course SW. Ascend.
67.80	Top of ridge bears N. 70° W. and S. 70° E., 1 ch. wide. Descend.
75.80	Draw 1 ch. wide, course N. 70° W.
80.00	Set a quartzite stone, 15x6x6 ins., 10 ins. in the ground for the cor. of secs. 2, 3, 10 and 11, mkd. with 5 notches on the S. and 2 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land semi-mountainous. Soil 3rd rate. No timber.
----- S. 89° 50' E. on a random line bet. secs. 2 and 11.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 1, 2, 11 and 12. Thence I run N. 89° 51' W. on a true line bet. secs. 2 and 11, over rolling ground.
3.00	Road bears NEly. and SWly.
40.14	Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
41.25	Arroyo 10 lks. wide, course SW.
80.28	The cor. of secs. 2, 3, 10 and 11. Land rolling. No timber. Soil 3rd rate. Jan. 4th:- At 4h. p. m. 1. m. t., I set off 22° 43' S. on the decl. arc; 57° 51' on the co-lat. arc, and determine a mer. with the solar at this cor.
----- N. 0° 17' W. on a true line bet. secs. 2 and 3, over semi-mountainous ground.	
39.75	Arroyo, 25 lks. wide, course SW.
40.00	Set a porphyry stone, 15x6x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Ascend over rocky ground along W. side of hill.
65.00	Top of ascent runs back East, descend.
75.30	Intersect the N. bdy. of the township at a point 3.81 chs., N. 89° 55' W. of the cor. of secs. 2, 3, 34 and 35, which is a porphyry stone, 7x8x6 ins. above ground, properly marked and witnessed as described by the Surveyor General. Set a porphyry stone, 15x7x5 ins., 10 ins. in the ground for the closing cor. of secs. 2 and 3, mkd. CC on S. with 2 grooves on E. and 4 grooves on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high S. of cor.

25

14. Subdivisional Lines of T. 15 S., R. 26 E.

Chains.

Land semi-mountainous. Soil 3rd rate. No timber.

Jan. 4th, 1911.

From the ^{St.} cor. of secs. 33 and 34, previously described,
I run,

N. 0° 18' W. bet. secs. 33 and 34 over rolling ground.

40.00 Set a quartzite stone, 15x7x5 ins., 10 ins. in the ground,
for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12
ins., N. and S. of cor., 3 ft. dist. and raise a mound
of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

80.00 Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground,
for the cor. of secs. 27, 28, 33 and 34, mkd. with 3
notches on the E. and 1 on the S. edge, dig pits, 18x18x
12 ins. in each section, 5 $\frac{1}{2}$ ft. dist. and raise a mound
of earth, 4 ft. base, 2 ft. high W. of cor.
Land rolling. No timber. Soil 2nd rate.

S. 89° 56' E. on a random line bet. secs. 27 and 34.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect the N. and S. line at the cor. of secs. 26, 27,
34 and 35.

Thence I run
N. 89° 56' W. on a true line bet. secs. 27 and
34 over rolling ground.

40.08 Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground
for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x
12 ins., E. and W. of cor., 3 ft. dist. and raise a mound
of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.16 The cor. of secs. 27, 28, 33 and 34.
Land rolling. No timber. Soil 2nd rate.

N. 0° 18' W. bet. secs., 27 and 28 over rolling ground,

40.00 Set a quartzite stone, 12x7x6 ins., 8 ins. in the ground
for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x
12 ins., N. and S. 3 ft. dist. and raise a mound of earth,
3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

41.05 Gully, 10 lks. wide, course SW.

41.88 Road bears NE. and SW.

74.87 Arroyo, 50 lks. wide, course SW.

80.00 Set a quartzite stone, 15x6x6 ins., 10 ins. in the
ground for the cor. of secs. 21, 22, 27 and 28, mkd.
with 2 notches on the S. and 3 notches on the E. edges,
dig pits, 18x18x12 ins., in each section 5 $\frac{1}{2}$ ft. dist.
and raise a mound of earth, 4 ft. base, 2 ft. high,
W. of cor.

Land rolling. No timber. Soil 2nd rate.

S. 89° 56' E. on a random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.20 Intersect the N. and S. line at a point 3 lks. N. of the
cor. of secs. 22, 23, 26 and 27.

Thence I run, N. 89° 55' W. on a true line bet. secs.
22 and 27 over rolling ground.

Subdivisional lines of T. 15 S., R. 26 E.

Chains.

40.10

9 ins. in ground

Set a quartzite stone, 14x7x6 ins. for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins. E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Jan. 5th:- At this cor. I set off 22°39 $\frac{1}{2}$ ' S. on the decl. arc, and at 1 $\frac{1}{2}$ h. 5 m. p. m., l. m. t., obs. the sun on the mer., the resulting lat. is 32°6' N

45.00

Arroyo 50 lks. wide, course SW.

46.20

Road bears NE. and SW.

75.00

Arroyo 50 lks. wide, course SW.

80.20

The cor. of secs. 21, 22, 27 and 28.

Land rolling. Soil 2nd rate. No timber.

N.0°18'W. bet. secs. 21 and 22 over rolling ground.

3.00

Draw, 2 chs. wide, course SW.

35.60

Road bears N.70°W. and S.70°E.

40.00

Set a porphyry stone, 12x7x6 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

51.00

Road bears NE and SW.

80.00

Set a porphyry stone, 12x10x5 ins., 8 ins. in the ground, for the cor. of secs. 15, 16, 21 and 22, mkd. 158 on NE. and 26E on SE. face with 3 notches on the S. and E. edges, dig pits, 18x18x12 ins., in each sec. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land rolling. Soil 2nd rate. No timber.

S.89°55'E. on a random line bet. secs. 15 and 22.

40.00

Set a temp. $\frac{1}{4}$ sec. cor.

80.11

Intersect the cor. of secs. 14, 15, 22 and 23.

Thence I run, N.89°55'W. on a true line bet. secs. 15 and 22 over rolling ground.

40.05 $\frac{1}{2}$

Set a porphyry stone, 15x7x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.11

The cor. of secs. 15, 16, 21 and 22.

Land rolling. Soil 2nd rate. No timber.

N.0°18'W. bet. secs. 15 and 16 over rolling ground.

22.29

Road bears NE. and SW.

23.05

Fence bears NE. and SW.

40.00

15x7x6 ins., 10 ins. in ground

Set a porphyry stone, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor. 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

Jan. 5th: At 4 h., p. m. l. m. t., I set off 22°36' S. on the decl. arc, 57°53' on the co-lat. arc, and determine a mer. with the solar at this cor.

27

Chains.

79.75 Fence bears E. and W.

80.00 Set a porphyry stone, 12x7x6 ins., 8 ins. in the ground for the cor. of secs. 9, 10, 15 and 16, mkd. with 4 notches on the S. and 3 on the E. edge, dig pits, 18x18x12 ins., in each section, 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land rolling. Soil 2nd rate. No timber.

S. 89°55'E. on a random line bet. secs. 10 and 15,

40.00 Set temp. 1/4 sec. cor.
80.12 Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 10, 11, 14 and 15.

Thence I run, N. 89°56'W. on a true line bet. secs. 10 and 15.

8.30 Road bears NE. and SW.

40.06 Set a porphyry stone, 15x10x5 ins., 10 ins. in the ground, for the 1/4 sec. cor. mkd. 1/4 on N. face, dig pits, 18x18x12 ins., E. and W. of cor. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

77.57 Fence 25 lks. S. of line which runs S. and West.
80.12 The cor. of secs. 9, 10, 15 and 16.
Land rolling. Soil 2nd rate. No timber.
Jan. 5th, 1911.

N. 0°18'W. bet. secs. 9 and 10 over rolling ground.

40.00 Set a porphyry stone, 15x10x5 ins., 10 ins. in the ground for the 1/4 sec. cor., mkd. 1/4 on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

76.50 Arroyo, 50 lks. wide, course SW.

80.00 Set a porphyry stone, 12x8x5 ins., 8 ins. in the ground for the cor. of secs. 3, 4, 9 and 10, mkd. with 5 notches on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land rolling. Soil 2nd rate. No timber.

S. 89°56'E. on a random line bet. secs. 3 and 10

40.00 Set a temp. 1/4 sec. cor.
80.15 Intersect the N. and S. line at a point 3 lks. N. of the cor. of secs. 2, 3, 10 and 11.

bet. secs. 3 & 10
Thence I run, N. 89°55'W. on a true line over rolling ground.

40.07 1/2 Set a porphyry stone, 12x7x5 ins., 10 ins. in the ground for the 1/4 sec. cor. mkd. 1/4 on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

76.00 Arroyo, 50 lks. wide, course SW.

80.15 The cor. of secs. 3, 4, 9 and 10.
Land rolling. Soil 2nd rate. No timber.

Chains.

N.0°18'W. bet. secs. 3 and 4 on a true line, over rolling ground.

4 0.00 Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise amount of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

75.37 Intersect the N. bdy. of the T₁₅ at a point, 3.51 chs. N.89°55' W. of the cor. of secs. 3, 4, 33 and 34, a quartzite stone, 6x6x9 ins. above ground, properly marked and witnessed as described by the Surveyor General.

Set a quartzite stone, 15x6x6 ins., 10 ins. in the ground for the closing cor. of secs. 3 and 4, mkd. CC on S., with 3 grooves on the E. and W. faces, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

Land rolling. Soil 2nd rate. No timber.

Jan. 6th:- Noon:- Sky over cast, sun not visible.

From the Standard cor. of secs. 32 and 33, previously described, I run N.0°18'W. bet. secs. 32 and 33.

12.10 Road bears N.70°W. and S.70°E.

40.00 Set a quartzite stone, 12x7x6 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

80.00 Set a quartzite stone, 15x8x7 ins., 10 ins. in the ground for the cor. of secs. 28, 29, 32 and 33, mkd. with 1 notch on the S. and 4 notches on the E. edge, dig pits, 18x18x12 ins., in each section 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Windmill, 44 Ranch, bears N.63°32'W.
Land rolling. Soil 2nd rate. No timber.

S.89°56'E. on a random line bet. secs. 28 and 33.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect the N. and S. line at a point 12 lks. N. of the cor. of secs. 27, 28, 33 and 34.

Thence I run, N.89°51'W. on a true line bet. secs. 28 and 33 over rolling ground.

27.80 Road bears NE. and SW.

40.02 Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.04 The cor. of secs. 28, 29, 32 and 33.

Land rolling. Soil 2nd rate. No timber.

Jan. 6th:- At 4h. p. m., 1. m. t., I set off 22°29 $\frac{1}{2}$ ' S. on the decl. arc, 57°55' on the co-lat. arc, and determine a mer. with the solar at this cor. Jan 6th, 1911.

29

Chains.

N.0°18'W. bet. secs. 28 and 29 over rolling ground.

40.00 Deposit a marked stone, 12 ins. in the ground for 1/4 sec. cor., dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, over deposit. In S. pit, drive a pine stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground mkd. 1/4 S29 on W. and 28 on E. face.

80.00 Deposit a marked stone, 12 ins. in the ground for the cor. of secs. 20, 21, 28 and 29, dig pits, 18x18x12 ins., in each section 4 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit. In SE. pit, drive a mesquite stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. T15SS21 on NE., R26ES28 on SE., S. 29 on SW. and S20 on NW. face, with 2 notches on S. and 4 notches on E. edges.

Land rolling. Soil 2nd rate. A few mesquite bushes.

S.89°51'E. on a random line bet. secs. 21 and 28.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect N. and S. line at a point 32 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence I run S.89°55'W. on a true line bet. secs. 21 and 28 over rolling ground.

15.00 Draw 2 chs. wide, course SW.

40.03 Set a limestone, 12x5x4, this stone being the largest stone available, 8 ins. in the ground, for the 1/4 sec. cor. mkd. 1/4 on N. face, dig pits, 18x18x12 ins., E. and W. of cor. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.06 The cor. of secs. 20, 21, 28 and 29.

Land rolling. Soil 2nd rate. No timber.

N.0°18'W. bet. secs. 20 and 21 over rolling ground.

40.00 Set a granite stone, 12x6x5 ins., being the most suitable and largest stone available, 8 ins. in the ground for the 1/4 sec. cor., mkd. 1/4 on W. face, and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

Jan. 7th:- At this cor. I set off 22°25' S. on the decl. arc, and at 12.50 p. m., 1. m. t., obs. the sun on the mer., the resulting lat. is 32°7' N.

53.00 Road bears N.80°E. and S.80°W.

80.00 Set a quartzite stone, 12x7x7 ins., 8 ins. in the ground for the cor. of secs. 16, 17, 20 and 21, mkd. with 3 notches on the S. and 4 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land rolling. Soil 2nd rate. No timber.
Scattering mesquite brush.

N.89°55'E. on a random line bet. secs. 16 and 21.

40.00 Set temp. 1/4 sec. cor.

80.22 Intersect the N. and S. line at a point 7 lks. S. of the cor. of secs. 15, 16, 22 and 21.

Thence I run, S.89°53'W. on a true line bet. secs.

Chains.	
	16 and 21 over rolling ground.
37.22	Road bears NE. and SW. Fence about a chain N. of line runs NE. and W.
40.11	Set a granite stone, 12x7x6 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor. 3 ft. dist. and raise a mound of stone covered with earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
76.22	Road bears NW. and SE.
80.22	The cor. of secs. 16, 17, 20 and 21. Land rolling. Soil 2nd rate. No timber.

	N.0°18'W. bet. secs. 16 and 17 over rolling ground.
.40	Road bears E. and W.
8.66	Road bears N.10°W. and S.10°E.
40.00	Set a quartzite stone, 15x8x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor. 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Jan. 7th:- At 4 h. p. m., 1. m. t., I set off 22°22' S. on the decl. arc, 52°52' on the co-lat. arc and determine a mer. with the solar at this cor.
80.00	Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the cor. of secs. 8, 9, 16 and 17, mkd. with 4 notches on the S. and E. edges, dig pits, 18x18x12 ins., in each section, $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land rolling. Soil 2nd rate. No timber.
	Jan. 7th, 1911.

	N.89°53'E. on a random line bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect the N. and S. line at cor. of secs. 9, 10, 15 and 16. Thence I run, S.89°53'W. on a true line bet. secs. 9 and 16 over rolling ground.
40.10	Set a quartzite stone, 14x8x7 ins., 10 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor. 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
76.61	Fence runs S. and E. a few lks. S. of line.
80.20	The cor. of secs. 8, 9, 16 and 17. Land rolling. Soil 2nd rate. No timber.

	N.0°18'W. bet. secs. 8 and 9 over rolling ground.
40.00	Deposit a marked stone, 12 ins. in the ground, for the $\frac{1}{4}$ sec. cor., dig pits, 18x18x12 ins., N. and S. of cor. 4 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, over deposit. In S. pit, drive a mesquite stake, 2 ft. long, 2 ins.

Chains. sq., 12 ins. in the ground, mkd. $\frac{1}{4}$ S 8 on W. and 9 on E. face.

80.00 Set a quartzite stone, 15x8x8 ins., 10 ins. in the ground for the cor. of secs. 4, 5, 8 and 9, mkd. with 5 notches on the S. and 4 on the E. edges, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land rolling. Soil 2nd rate. No timber.

N.89°53'E. on a random line bet. secs. 4 and 9.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.,
80.30 Intersect the N. and S. line at a point 19 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence I run, S.89°45'W. on a true line bet. secs. 4 and 9 over rolling ground.

40.15 Set a quartzite stone, 24x18x4 ins., 18 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.30 The cor. of secs. 4, 5, 8 and 9.
Land rolling. Soil 2nd rate. No timber.

Jan. 9th:- At this cor. I set off 22°10'S on the decl. arc, and at 12h. 7m. p. m. 1. m. t., obs the sun on the meridian, the resulting lat. is 32°9'N.

N.0°18'W. on a true line bet. secs. 4 and 5, over rolling ground.

40.00 Set a quartzite stone, 12x7x6 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

55.08 Road bears NEly. and SWly.

75.87 Intersect the N. bdy. of the township at a point whence the cor. of secs. 4, 5, 32 and 33, which is a quartzite stone, 9x14x7 ins. above ground, properly marked and witnessed as described by the Surveyor general brs. S.89 55'E. 3.84 chs. dist.

Set a quartzite stone, 15x8x6 ins., 10 ins. in the ground for the closing cor. of sections four and five, marked CC on the South, with four notches on the E. and two notches on the West faces, and raise a mound of stone two feet base one and a half feet high south of corner.

Land roll ing. Soil 2nd rate. No timber.

Standard.
From the corner of sections 31 and 32, previously described, I run

N.0°19'W. on a true line bet. secs. 31 and 32 over rolling ground through scattering mesquite brush.

40.00 Deposit bottle, 12 ins. in the ground for the $\frac{1}{4}$ sec. cor. dig pits, 18x18x12 ins., N. and S. of cor., 4 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, over deposit.
In S. pit, drive a mesquite stake, 2 ft. long, 2 ins.

Chains.

sq., 12 ins. in the ground, mkd. $\frac{1}{4}$ S32 on W. and 32 on E. face.

Jan. 9th:- At 3h. p. m., 1. m.t. I set off 22°8'S on the decl. arc, 57°55' on the co-lat. arc and determine a mer. with the solar at this cor.

80.00 Set a quartzite stone, 15x7x7 ins., 10 ins. in the ground for the cor. of secs. 29, 30, 31 and 32, mkd. with 1 notch on the S. and 5 notches on the E. edge, dig pits, 18x18x12 ins., in each section, 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Windmill at the 44 Ranch bears N.40°W. and the house bears N.40°30'W.

Land rolling. Soil 2nd rate. No timber.
Scatterring mesquite.

Jan. 9th, 1911.

S.89°56'E. on a random line bet. secs. 29 and 32.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect the N. and S. line at a point 3 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence I run N.89°55'W. on a true line bet. secs. 29 and 32 over rolling ground.

40.08 Set a quartzite stone, 15x7x7 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

60.79 Road bears NW. and SE.
79.15 Road bears N.10°W. and S.10°E.

80.16 The cor. of secs. 29, 30, 31 and 32.
Land rolling. Soil 2nd rate. No timber.

N.89°56'W. on a random line bet. secs. 30 and 31.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.
79.43 Intersect the W. bdy. of the township at a point 21 lks. N. of the cor. of secs. 25, 30, 31 and 36, which cor. is a pine post, properly marked as described by the Surveyor General, pits and mounds almost obliterated.

Thence I run N.89°55'E. on a true line bet. secs. 30 and 31, through scatterring mesquite brush.

39.43 Set a porphyry stone, 15x8x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

79.43 The cor. of secs. 29, 30, 31 and 32.

N.0°19'W. bet secs. 29 and 30 through scatterring mesquite brush.

1.00 Road bears NW. and SE.
30.00 Road bears NW. and SE.

40.00 Set a quartzite stone, 15x9x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits 18x18x12

22. Subdivisional Lines of T. 15 S. R. 26 E.

Chains.	ins. N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
71.00	Road bears N.80°E. and S.80°W.
80.00	Deposit a marked stone, 12 ins. in the ground for the cor. of secs. 19, 20, 29 and 30, dig pits, 18x18x12 ins., in each section 4 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, over deposit. In SE. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. T15SS20 on NE., R26ES29 on SE, S30 on SW and S19 on NW. face, with 2 notches on S. and 5 on E. edges.
	Land rolling. Soil 2nd rate. Mesquite brush.
	----- Jan 10th:- At this cor. I set off 22°01'S. on the decl. arc, and at 12h. 7m. p. m., l. m. t., obs. the sun on the meridian, the resulting lat. is 32°6'N. -----
	S.89°55'E. on a random line bet. secs. 20 and 29
40.00	Set a temp. 1/4 sec. cor.
80.14	Intersect the N. and S. line at a point 12 lks. N. of the cor. of secs. 20, 21, 28 and 29. Thence I run N.89°50'W. on a true line bet. secs 20 and 29 through scattering mesquite brush.
35.00	Road bears NE and SW.
40.07	Set a granite stone, 12x8x6 ins., 8 ins. in the ground for the 1/4 sec. cor., mkd. 1/4 on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
80.14	The cor. of secs. 19, 20, 29 and 30. Land rolling. Soil 2nd rate. Mesquite brush.
	----- Jan. 10th:- At 3h, p. m. l. m. t., I set off 21°59 1/2'S. on the decl. arc, 57°54' on the co-lat. arc and determine a mer. with the solar at this cor. -----
	S.89°55'W. on a random line bet. secs. 19 and 30.
40.00	Set temp. 1/4 sec. cor.
78.60	Intersect the W. bdy. of the township at a point 7 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is a pine post, properly marked and witnessed by indistinct pits and mound. Thence I run N.89°52'W. on a true line bet. secs. 19 and 30 over rolling ground through mesquite brush.
30.34	Road bears NW. and SE. The 44 ranch from here bears S 9°30'E.
38.60	Deposit iron horseshoe and marked stone, 12 ins. in the ground for the 1/4 sec. cor., dig pits, 18x18x12 ins., E. and W. of cor., 4 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, over deposit In E. pit, drive a mesquite stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd. 1/4 S 19 on N. and 30 on S. face.
78.60	The cor. of secs. 19, 20, 29 and 30.

chains.

Land rolling. Soil 2nd rate. Mesquite brush.

Jan. 10th, 1911.

N. 0°19'W. bet. secs. 19 and 20 over rolling ground through scattering mesquite brush.

40.00 Set a mesquite post, 36 ins. long, 4 ins. sq., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S 19 on W. and 20 on E. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

80.00 Set a quartzite stone, 15x8x6 ins., 10 ins. in the ground for the cor. of secs. 17, 18, 19 and 20, mkd. with 3 notches on the S. and 5 notches on the E. edge, dig pits, 18x18x12 ins., in each section 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land rolling. Soil 2nd rate. Mesquite brush.

S. 89°50'E. on a random line bet. secs. 17 and 20.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence I run, N. 89°51'W. on a true line bet. secs. 17 and 20, over rolling ground, through scattering mesquite brush.

20.00 Road bears S. 89°W. and N. 89°E.

40.08 Set a quartzite stone, 15x8x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.16 The cor. of secs. 17, 18, 19 and 20.

Land rolling. Soil 2nd rate. No timber.
Scattering mesquite brush.

Thence I run N. 89°52'W. on a random line bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.77 Intersect the W. bdy. of the township at a point 28 lks. N. of the cor. of secs. 13, 18, 19 and 24, which cor. is a pine post, properly marked, pits and mounds indistinct.

Thence I run, N. 89°56'E. on a true line bet. secs. 18 and 19 over rolling ground through scattering mesquite.

37.77 Set a granite stone, 12x9x5 ins., 8 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

House of J. A. Lance bears S. 26 $\frac{1}{2}$ °W. about six chs, and Windmill S. 20°19'W. about 6.50 chs.

House of Lorenz Jensen bears N. 13°15'E. and windmill N. 11°45'E. both about 20 chs. dist.

38.77 The cor. of a fence which runs back West and North, 54 lks. North of line.

77.77 The cor. of secs. 17, 18, 19 and 20.

Jan. 11th: Noon. Sky over cast, sun not visible.
Land rolling. Soil 2nd rate. Scattering mesquite.

24.

Subdivisional Lines of T. 15 S. R. 26 E.

Chains.	
	N. 0° 19' W. bet. secs. 17 and 18 over rolling ground, through scattering mesquite brush.
40.00	Set a quartzite stone, 15x8x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
40.45	Fence 1 chs. W. of line runs West and North.
80.00	Set a quartzite stone, 18x9x9 ins., 12 ins. in the ground for the cor. of secs. 7, 8, 17 and 18, mkd. with 4 notches on the S. and 5 notches on the E. edge, dig pits, 18x18x12 ins., in each section, 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. House bears N. 81 $\frac{1}{2}$ ° W. about 29 chs. dist. Land rolling. Soil 2nd rate. No timber.

	S. 89° 51' E. on a random line bet. secs. 8 and 17.
40.00	Set a temp. $\frac{1}{4}$ sec. cor.
80.35	Intersect the N. and S. line 23 lks. N. of the cor. of secs. 8, 9, 16 and 17. Thence I run, N. 89° 41' W. on a true line bet. secs. 8 and 17, over rolling ground.
27.06	Road bears N. 20° W. and S. 20° E.
40.17 $\frac{1}{2}$	Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins. East and West of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.35	The cor. of secs. 7, 8, 17 and 18. Land rolling. Soil 2nd rate. Scattering mesquite. Jan 11th:- At 4h. p. m., l.m.t., I set off 21° 49' S. on the decl. arc, 57° 52' on the co-lat. arc, and determine a mer. with the solar at this cor.

	Thence I run S. 89° 56' W. on a random line bet. secs. 7 and 18.
40.00	Set a temp. $\frac{1}{4}$ sec. cor.
76.94	Intersect the W. bdy. of the township at a point 47 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is a pine post 4 ins. sq., 3ft. long 24 ins. in ground, marked and witnessed as described by the Surv. Gen'l. Thence I run, S. 89° 44' E. on a true line bet. secs. 7 and 18 over rolling ground, through scattering mesquite brush. Fence South of line.
8.00	House of Sloan about $\frac{1}{4}$ mile N. of line.
36.94	Set a mesquite post, 4 ins. sq., 36 ins. long, with mkd. stone, 24 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S 7 on N. and 18 on S. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
49.00	Ranch house bears N. about 8 chs. Robertson, owner. (Above name doubtful as party had a bunch of vicious dogs and I felt a delicacy in investigating)
75.14	Fence to S., runs S.
76.94	The cor. of secs. 7, 8, 17 and 18. Land rolling. Soil 2nd rate. mesquite brush. Jan 11th, 1911.

Chains.	
	N.0°19'W. bet. secs. 7 and 8 over rolling ground.
40.00	Set a quartzite stone, 15x7x5 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
49.50	Road bears NW. and SE.
80.00	Set a quartzite stone, 20x12x5 ins., 15 ins. in the ground for the cor. of secs. 5, 6, 7 and 8, mkd. with 5 notches on the S. and E. edges, dig pits, 18x18x12 ins. in Each sec., 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base 2 ft. high, W. of cor. Land rolling. Soil 2nd rate. Mesquite brush.

	Thence I run S.89°41'E. on a random line bet. secs. 5 and 8.
40.00	Set a temp. $\frac{1}{4}$ sec. cor.
80.30	Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 4, 5, 8 and 9.
	Thence I run N.89°42'W. on a true line bet. secs. 5 and 8 over rolling ground.
40.15	Set a quartzite stone, 15x7x6 ins., 10 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.30	The cor. of secs. 5, 6, 7 and 8. Land rolling. Soil 2nd rate. No timber.

	N.89°44'W. on a random line bet. secs. 6 and 7.
40.00	Set a temp. $\frac{1}{4}$ sec. cor.
76.19	Intersect the W. bdy. of the township at a point 35 lks. N. of the cor. of secs. 1, 6, 7 and 12, a pine post 4 ins. sq., 12 ins. above ground, properly marked and witnessed as described by the Surveyor General.
	Thence I run, S.89°59'E. on a true line bet. secs. 6 and 7 over rolling ground.
36.19	Set a mesquite post, 4 ins. sq., 36 ins., long with mkd. stone, 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ 86 on N. and 7 on S. face, Dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
44.20	Road bears NW. and SE.
76.19	The cor. of secs. 5, 6, 7 and 8. Land rolling. Soil 2nd rate. No timber.
	Jan. 12th:- At 10h, a. m. l. m. t., I set off 21°43 $\frac{1}{2}$ 'S. on the decl. arc, 57°51' on the co-lat. arc and determine a mer. with the solar at this cor.

	N.0°19'W. bet. secs. 5 and 6, over rolling ground, on a true line.
40.00	Set a quartzite stone, 12x8x5 ins., 8 ins. in the ground,

Subdivisional Lines of T. 15 S. R. 26 E.

Chains.

for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, dig pits, 18x18x12 ins., N. and S. of cor, 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

75.50 N.89°-55' Intersect the N. bdy. of the township at a point 3.85 chs. W. of the cor. of secs. 5, 6, 31 and 32, which is a quartzite stone, 10x8x12 ins. above ground, properly marked and witnessed as described by the Surveyor General.

Set a quartzite stone, 15x7x5 ins., 10 ins. in the ground, for the closing cor. of secs. 5 and 6, mkd. CC on S. with 5 grooves on E. and 1 groove on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

Land rolling. Soil 2nd rate. No timber.

The House of S. L. Marvick is about 30 chs. S. 60°W. and the house of Geo. L. Kramme is S. 30°W. about 60 chs. dist.

Jan. 12th, 1911.

GENERAL DESCRIPTION.

This township is most excellently adapted for grazing purposes. Several dry farmers are making a success of farming by their methods in the Western part. The soil is good sandy loam. Water is developed in about 75 feet.

Myrtle F. DeLud
U. S. D. S.

Jor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

See Book O

LIST OF NAMES.

BOOK 2281

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

-, *Chainman.*
-, *Chainman.*
-, *Moundman.*
-, *Moundman.*
-, *Axman.*
-, *Axman.*
-, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all those parts or portions of the

..... of the

..... meridian, of, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

-, *Chainman.*
-, *Chainman.*
-, *Moundman.*
-, *Moundman.*
-, *Axman.*
-, *Axman.*
-, *Flagman.*

Subscribed and sworn to before me this }
day of, 19



3827

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

See Book C

BOOK 2281

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 19____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Jan'y 13, 1902.

The foregoing field notes of the survey of *the subdivided lines of T. 15 N R. 26 E, Course of the 3rd Standard Parallel (cut) through Range 26 E, Course of one mile of the East Boundary of T. 15 N R. 26 E and Detachment of one mile of the East Boundary of T. 15 N 26 E, Gila and Salt River Basins and Meridian, Arizona*

executed by *Hugh W. Dural W.S.D.* under his contract No. *163*, dated *May 16*, 19*00*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Lyall
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.