

2829

4-679

Book "E"

BOOK 2829

-Subdivisions-

# FIELD NOTES

OF THE <sup>re-</sup>SURVEY OF THE

*West Boundary*

*and the survey of the*

*Subdivision Lines of T. 4 N., R. 4 E.*

Of the *Gila & Salt River Base & Meridian,*

In the State of *Arizona*

EXECUTED BY

*Sidney E. Blout*

In the capacity of U. S. Surveyor..., under instructions dated *October 24*, 1913,  
issued by the United States Surveyor General to govern surveys included in  
Group No. *31*..., which were approved by the Commissioner of the General Land  
Office, *November 1*, 1913, pursuant to authority contained in the Act of  
Congress dated *June 23, 1913.* ~~1913~~

Resurvey and Survey commenced *April 16*, 1914

Resurvey and Survey completed *May 5*, 1914

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BOOK 2829

# Book "E"

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Township *4 North*, Range *4 East*

	<i>First Standard</i>		<i>Parallel</i>		<i>North</i>						
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- " " " "B"
- " " " "C"
- Accepted surveys.

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Retracement and Resurvey of the West bdy. of Tn. 4 N. R. 4 E.

Chains.

Retracement and Resurvey commenced April 16, 1914, and executed with a Young and Sons' light mountain transit No.10, described in Book "A."

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations, made during a.m. and p.m. hours, with a meridian established by observations on Polaris, I proceed as follows:

At my camp, which is located near the center of T.4 N., R.4 E.; latitude, 33°40'48"N.; longitude, 111°57'17" W., I set off 33°41'N. on the lat.arc; 10°07'N. on the decl.arc; and at 4h.30m. p.m., l.m.t., determine a meridian with the solar, and mark a point thereof by a nail driven in a stake set firmly in the ground about 8 chs, north of my instrument.

April 16, 1914.

April 17, 1914: At 5h. 51m. a.m., by my watch, which is correct local mean time, I observe Polaris at eastern elongation, and mark the direction thus determined by a tally pin driven in a stake set firmly in the ground, about 8.00 chs. north of my instrument.

At 7 a.m., l.m.t., I lay off the azimuth of Polaris 1°23' to the west, and mark the meridian thus determined by a nail driven in the stake already set about 8 chs. north of my instrument, on which the meridian falls 0' 30" E. of the point determined by the solar.

At 7h.15m. a.m., l.m.t., I set off 33°41'N. on the lat. arc; 10°20' N. on the decl.arc, and determine a meridian with the solar, and mark a point thereof, by a nail driven in the stake already set about 8.00 chs. N. of my instrument. This point falls about 0'45" E. of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians respectively about 0' 30" W. and 0'45"E. of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m. a.m. is N.14°30' W., which gives the mag. decl.14°30'E.

All measurements were made with a 5-chain steel tape, with a clinometer to determine the slope angles.

At the cor. of Ts.3 and 4 N., Rs.3 and 4 E., described in Book "C,"

At 9h.09m. 47secs. a.m., l.m.t., I set off 33°38'N. on the lat.arc; 10°21'N. on the decl.arc; and determine a meridian with the solar at this corner.

Thence I run,

North, on a random line, bet. secs.31 and 36. Over level, sandy valley land, along west side of road.

40.08

Fall 26 lks.east of the original 1/4 sec.cor., which is a granite stone 7x4x5 ins. above ground, firmly set, marked on W.face, with remains of pits and mound almost completely obliterated.

I reconstruct this corner, as follows: dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W.of cor.

The new pits sufficiently obliterate the old ones. True course & dist. of south half, bet. secs.31 and 36 is therefore N.0°22' W., 40.08 chs.

From the 1/4 sec.cor., I run north, on a random line, on north half, bet. secs.31 and 36.

39.10

Dry gulch, 10 lks.wide, 2 ft. deep, course SW.

40.02

Fall 26 lks.east of the original cor. of secs.25,30,31 and 36, which is a granite stone 6x6x6 ins. above

2. Retracement and Resurvey of the West bdy. of T. 4 N. R. 4 E. Chains.

ground, firmly set, marked with 5 notches on N., and 1 notch on S. edge; pits and mound almost entirely obliterated.

I reconstruct this corner as follows: 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, west of cor. New pits obliterate the old ones.

True course and distance of north half, bet. secs. 31 and 36 is therefore N.  $0^{\circ}22'$  W., 40.12 chs.

North, on a random line, bet. secs. 25 and 30.

Over level sandy valley land, along west side of road.

3.95

Road to Phoenix, Arizona, brs. NE. and SW.

16.00

Road from Phoenix, Arizona to Camp Creek, brs. N. and SW.

33.15

C. B. William's house, brs. east 5.00 chs. dist.

35.90

Irrigating ditch, 3 lks. wide, course SE.

39.80

Old Verde Canal, 35 lks. wide, 3 ft. deep, course N.  $64^{\circ}$  W.

41.51

Fall 26 lks. east of the original  $\frac{1}{4}$  sec. cor., which is a

granite stone 7x5x5 ins. above ground, firmly set, marked  $\frac{1}{4}$  on W. face; no trace of pits and mound described as corner accessories in the original field notes can be found, and being informed by good authority that this corner originally stood on the line of the old canal, and at the time of the construction of the canal, was moved to its present position to avoid being destroyed during the progress of the work, and since to restore it to its original position in the bottom of the canal would insure its destruction from natural causes, I change it from a regular quarter section corner to a witness corner, to the  $\frac{1}{4}$  sec. cor. as follows: I mark the stone W C above the  $\frac{1}{4}$  on west face; and dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of corner. Continue line and measurement.

42.71

Road from Phoenix, Arizona to Camp Creek, brs. NE. and south.

66.56

Dry gulch, 5 lks. wide,  $2\frac{1}{2}$  ft. deep, course SW.

80.06

Fall 51 lks. east of the original corner of secs. 19,

24, 25 and 30, which is a granite stone 7x6x6 ins. above ground, firmly set, marked with 4 notches on N. and 2 notches on S. edges with indistinct remains of old pits and mound almost in the proper positions.

I reconstruct this corner, as follows: 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, west of cor. The new pits sufficiently obliterate the old ones.

True course and dist. of line bet. secs. 25 and 30, is therefore N.  $0^{\circ}22'$  W., 80.06 chs., and as the falling at the witness cor. to  $\frac{1}{4}$  sec. cor. also indicates the same course, it is therefore on the true line bet. sec. cors., and assuming the true point for  $\frac{1}{4}$  sec. cor. to be of 40.03 chs. (midway bet. sec. cors.) the witness cor. is therefore 1.48 chs. N.  $0^{\circ}22'$  W., of the true point for  $\frac{1}{4}$  sec. cor.

North, on a random line, bet. secs. 19 and 24.

Over nearly level sandy valley land, slopes to the south, through scattering palo verde and mesquite timber and greasewood brush undergrowth, 5 ft. high.

40.01

Fall 23 lks. east of the original  $\frac{1}{4}$  sec. cor., which is a granite stone, 7x4x6 ins. above ground, firmly set, marked  $\frac{1}{4}$  on W. face; pits and mound almost entirely obliterated.

## Retacement and Recovery of the West bdy. of T.4 N. R.4 E. 3.

Chains.

- I reconstruct this corner as follows: dig pits 18x18x12 ins.; N. and S. of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor. From the  $\frac{1}{4}$  sec. cor., I run, North, on a random line, on north half, bet. secs. 19 and 24.
- 19.70 Dry sand wash, 10 lks. wide;  $2\frac{1}{2}$  ft. deep, course SW.  
39.70 Fall 21 lks. east of the original cor. of secs. 13, 18, 19 and 24, which is a granite stone 6x6x6 ins. above ground, firmly set, marked with 3 notches on N. and S. edges; pits and mound obliterated.
- I reconstruct this cor. as follows: 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, west of cor. True course and dist. of north half, bet. secs. 19 and 24 is therefore N.  $0^{\circ}18'$  W., 39.70 chs.
- Note: At this corner, I set off  $10^{\circ}23\frac{1}{2}'$  N. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of  $33^{\circ}41'$  N. on the lat. arc;
- 
- 40.00 North, on a random line, bet. secs. 13 and 18.  
79.86 Find no trace of original  $\frac{1}{4}$  sec. cor. Fall 47 lks. east of the original cor. of secs. 7, 12, 13, and 18, which is a post 3 ins. sq., greatly decayed, marks almost obliterated, broken off at the surface of the ground, with trace of four pits and mound nearly in their proper positions. True course and dist. of line bet. secs. 13 and 18 is therefore S.  $0^{\circ}20'$  E.
- I destroy all evidence of the original corner, and re-establish it in the same place as follows:  
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked on brass cap,  
T 4 N in N.; and  
1914 in S. half;  
R 3 E S 12 in NW.,  
R 4 E, S 7 in NE.,  
S 18 in SE., and  
S 13 in SW. quadrant;  
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, west of corner. The new pits sufficiently obliterate the old ones.
- Thence I run,  
S.  $0^{\circ}20'$  E. on a true line, bet. secs. 13 and 18. Over rolling valley land, slopes to the southwest, through scattering palo verde and mesquite timber and grease-wood brush undergrowth, 6 ft. high.
- 15.16 Wood road, brs. NE. and W.  
39.93 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 13 in W.,  
S 18 in E., and  
1914 in S. half;  
dig pits 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor. No trees in limits.
- 64.16 Dry sand wash, 15 lks. wide, 3 ft. deep, course SW.  
69.11 Wood road, brs. NE. and SW.  
79.86 Intersect the original corner of secs. 13, 18, 19 and 24, hereinbefore described. Land, rolling valley, slopes to the southwest. Soil, rich fine, dry, sandy loam about 14 ins. deep on dry clay subsoil.

## 4. Retracement and Resurvey of the W. bdy. of T. 4 N., R. 4 E.

Chains.

Light growth bunch grass.  
Timber, scattering palo verde and mesquite.

- North, on a random line, bet. secs. 7 and 12.  
Over nearly level sandy and gravelly valley land, slopes to the southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.
- 39.90 Fall 24 lks. east of the original  $\frac{1}{4}$  sec. cor., which is a mesquite post 2 ins. sq., greatly decayed, with marks almost obliterated, with trace of pits and mound about in their proper positions. I destroy all evidence of the original corner, and reestablish it in the same place as follows:  
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 12 in W.,  
S 7 in E., and  
1914 in S. half;  
no trees suitable for bearing trees within limits;  
dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.
- True course and dist. of south half, bet. secs. 7 and 12, is therefore N.  $0^{\circ}21'W.$ , 39.90 chs.
- From  $\frac{1}{4}$  sec. cor., I run,  
North on random line, on north half, bet. secs. 7 and 12.
- 29.70 Wood road, brs. NE. and SW.
- 32.80 Dry sand wash, 15 lks. wide, 3 ft. deep, course SW.
- 39.95 Fall 23 lks. west of the original cor. of secs. 1, 6, 7, and 12, which is a granite stone, 8x5x7 ins. above ground firmly set, marked with 1 notch on N. and 5 notches on S. edges, with indistinct remains of four pits and mound about in their proper positions.  
I reconstruct this corner, as follows:  
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, west of cor.  
No trees within limits.
- True course and dist. of north half, bet. secs. 7 and 12 is therefore N.  $0^{\circ}20'W.$ , 39.95 chs.

- North, on a random line, bet. secs. 1 and 6.  
Over nearly level, sandy and gravelly valley land, slopes to the southwest, through scattering palo verde, ironwood and mesquite timber and greasewood brush 5 ft. high.
- 9.25 Dry sand wash, 15 lks. wide, 2 ft. deep, course SW.
- 19.50 Dry sand wash, 15 lks. wide, 4 ft. deep, course SW.
- 39.97 Fall 15 lks. east of the original  $\frac{1}{4}$  sec. cor., which is a palo verde stake, 2 ins. sq., greatly decayed, with marks almost obliterated, with indistinct remains of two pits and mound almost in their proper places.  
I destroy all evidence of the original corner, and reestablish it in the same place as follows:  
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 1 in W.,  
S 6 in E., and  
1914 in S. half;  
no trees suitable for bearing trees within limits;  
dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

Retracement and Resurvey of the West bdy of T 4 N., R 4 E. 5  
Chains.

6.10  
20.80  
30.15  
33.60

True course and dist. of south half, bet. secs.1 and 6  
is therefore N.0°13' W., 39.97 chs.

From  $\frac{1}{4}$  sec.cor., I run,  
North, on a random line on north half, bet. secs.1 and 6.  
Wood road, brs.NE. and SW.

Dry sand wash, 15 lks. wide,  $3\frac{1}{2}$  ft. deep, course SW.

Old road, brs.NE. and SW.

Fall 49 lks.west of the original closing corner of Ts.  
4 N., Rs. 3 and 4 E., which is a granite stone 8x5x8  
ins., above ground, firmly set, marked  
C C on S.face, with 6 grooves on E.,S.  
and W.faces, with indistinct remains of three pits  
and mound nearly in their proper places: I reconstruct  
this cor. as follows:

Dig pits 30x24x12 ins. crosswise on each line, E.and W.,  
4 ft.,and S.of stone 8 ft. dist., and raise a mound  
of earth 5 ft.base;  $2\frac{1}{2}$  ft.high, south of corner.

True course and dist. of north half, bet. secs.1 and 6  
is therefore N.0°50'E., 33.60 chs.

From this corner, the original standard cof.of Ts.5 N.,  
Rs.3 and 4 E., which is is a granite stone 13x6x5 ins.  
above ground firmly set, marked and witnessed as de-  
scribed by the Surveyor General, brs.east, 4.82 chs.  
dist.

-----April 17, 1914.-----

## 6. Subdivision of Township 4 North, Range 4 East.

## Chains.

Survey commenced April 22, 1914, and executed with a Young and Sons' light mountain transit No. 10, described in Book "A."

I examine the adjustments of the transit, and find them to be correct, and from recent tests of the solar apparatus made by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian established by observations on Polaris, I know that the instrument is in satisfactory adjustment.

I begin at the cor. of secs. 25 and 36 on the east bdy. of the township, which I established April 21, 1914; latitude,  $33^{\circ} 39' 04''$  N., longitude,  $111^{\circ} 54' 10''$  W., as described in Book "A."

All measurements were made with a 5-chain steel tape, with a clinometer to determine the slope angles.

April 22, 1914: At 7h. 28 $\frac{1}{2}$ m. a.m., l.m.t., I set off  $33^{\circ} 39'$  N. on the lat. arc;  $12^{\circ} 04'$  N. on the decl. arc; and determine a meridian with the solar at the above cor.

Thence I run,

West, on a true line, on Sectional Correction Line.

Over level sandy valley land, drains to the SW., through scattering palo verde and mesquite timber, and grease-wood brush undergrowth, 4 ft. high.

.40 Dry sand wash, 15 lks. wide, 2 ft. deep, course S.  $25^{\circ}$  W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 25 in N., and

S 36, 1914 in S. half;

no trees within limits; dig pits 18x18x12 ins., E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

49.65 Old road from Phoenix, Arizona, to the Verde Valley, brs. N. and S.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

T 4 N R 4 E in N., and

1914 in S. half;

S 26 in NW.,

S 25 in NE.,

S 36 in SE., and

S 35 in SW. quadrant;

no trees suitable for bearing trees within limits; 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, nearly level valley, drains to the SW.

Soil, light, dry, sandy and gravelly loam, 12 to 36 ins. deep on dry clay subsoil.

Very light growth bunch grass.

Timber, mesquite and palo verde.

April 22, 1914.

(To be continued).

April 23, 1914: At 1h. 28 $\frac{1}{2}$ m. p.m., l.m.t., I set off  $33^{\circ} 39'$  N. on the lat. arc;  $12^{\circ} 28\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence I run,

S.  $0^{\circ} 01'$  E., on a random line, bet. secs. 35 and 36.

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

82.48 Intersect the south bdy. of Tp. at the cor. of secs. 1, 2, 35 and 36, which I reestablished March 10, 1914, as described in Book "C."

Thence I run,

N.  $0^{\circ} 01'$  W., on a true line, bet. secs. 35 and 36.

Over rolling, sandy and gravelly valley land, slopes to the SW., through scattering palo verde and mesquite



Subdivision of Township 4 North, Range 4 East, 7.

Chains.

41.48 timber and greasewood brush undergrowth 4 ft. high.

42.48 Dry sand wash 12 lks.wide, 1 ft. deep, course S.20° W.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., marked on brass cap,

1/4 S 35 in W.,

S 36 in E., and

1914 in S.half;

no trees within the prescribed limits; dig pits 18x18 x 12 ins., N.and S.of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, west of cor.

82.48 The cor.of secs.25,26, 35 and 36.

Land, gently rolling valley, slopes to the southwest.

Soil, medium rich dry sandy clay loam, 24 to 60 ins.deep on dry clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde and mesquite.

M.O°01'W., bet. secs.25 and 26.

Over gently rolling sandy valley land, slopes to the south, through scattering palo verde and mesquite timber and greasewood brush undergrowth, 4 to 6 ft. high.

29.55 Dry sand wash, 15 lks.wide, 2 ft. deep, course S.30°W.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., marked on brass cap,

1/4 S 26 inW.,

S 25 in E., and

1914 in S.half;

no trees within limits; dig pits 18x18x12 ins.,N. and S.of post 3 ft. dist.,and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, west of cor.

44.30 Wood road, brs.west and SE.

49.75 Road from Phoenix to the Frazier Spring, brs.NE. and SW.

80.00 Set an iron post 3 ft.long, 2 ins. in diam.,24 ins. in the ground, for cor.of secs.23,24,25 and 26, marked on brass cap,

T 4 N R 4 E in N., and

1914 inS.half;

S 23 in NW.,

S 24 in NE.,

S 25 in SE., and

S 26 in SW.quadrant;

no trees within limits; dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.,and raise a mound of earth 4 ft.base, 2 ft. high, west of cor.

Land, gently rolling valley, slopes to the south.

Soil, medium rich dry sandy and gravelly clay loam,12 to 30 ins. deep on dry sandy and gravelly clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde and mesquite.

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

40.00 Set temp.1/4 sec.cor.

80:02 Intersect the east boundary of the Tp., 5 lks.north of the cor.of secs. 24 and 25, which I established April 21, 1914, as described in Book "A."

Thence I run,

N.89°58'W., on a true line, bet. secs.24 and 25.

Over rolling, gravelly valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft.h high.

## 8. Subdivision of Township 4 North, Range 4 East.

Chains,

- 3.80 Road from Phoenix, Arizona, to Frazier Spring, brs. N. 70° E., and S. 70° W.
- 21.25 Dry sand wash, 20 lks. wide, 1½ ft. deep, course SW.
- 25.75 Old road, brs. N. 40° E. and S. 40° W.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 24 in N., and S 25, 1914 in S. half; no trees within limits; dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, north of cor.
- 54.40 Dry sand wash, 12 lks. wide, 2 ft. deep, course S. 20° W
- 62.00 Dry sand wash, 16 lks. wide, 1½ ft. deep, course S. 35° W.
- 74.00 Dry sand wash, 15 lks. wide, 1½ ft. deep, course S. 30° W.
- 80.02 The cor. of secs. 23, 24, 25 and 26.  
Land, rolling valley, slopes gently to the SW.  
Soil, sandy loam, with some gravel, 8 to 30 ins. deep on dry clay and gravel subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, ironwood and mesquite.  
April 23, 1914.
- 
- April 24, 1914: At 7h. 43m., a.m., 1.m.t., I set off 33° 40' N. on the lat. arc; 12° 44' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.  
Thence I run,  
N. 0° 01' W., bet. secs. 23 and 24.  
Over rolling, sandy and gravelly valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.
- 1.80 Dry sand wash, 30 lks. wide, 2 ft. deep, course S. 35° W.
- 21.20 Dry sand wash, 20 lks. wide, 2 ft. deep, course S. 30° W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 23 in W., S 24 in E., and 1914 in S. half; from which,  
A palo verde, 8 ins. in diam., brs. S. 19¾° E., 74 lks. dist., marked ¼ S 24 B T.  
An ironwood 10 ins. in diam., brs. N. 60¼° W., 255 lks. dist., marked ¼ S 23 B T.
- 72.70 Dry sand wash, 15 lks. wide, 2 ft. deep, course S. 30° W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap,  
T 4 N R 4 E in N., and 1914 in S. half;  
S 14 in NW.,  
S 13 in NE.,  
S 24 in SE., and  
S 23 in SW. quadrant;  
no trees within limits; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
Land, rolling valley, slopes to the SW.  
Soil, light, loose, dry sandy clay loam, 12 to 30 ins. deep on dry stony and gravelly clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.
- 
- S. 89° 58' E., on a random line, bet. secs. 13 and 24.
- 40.00 Set temp. ¼ sec. cor.
- 80.03 Intersect the east bdy. of the Tp., 5 lks. north of the cor. of secs. 13 and 24, which I established April 21,

Subdivision of Township 4 North, Range 4 East. 9.

Chains.

1914, as described in Book "A."  
 Thence I run,  
 N.89°56'W., on a true line, bet. secs.13 and 24.  
 Over rolling, sandy and gravelly valley land, slopes gently to the southwest, through scattering palo verde, mesquite and ironwood timber, and greasewood brush undergrowth, 4 to 6 ft.high.

16.80 Dry sand wash, 20 lks.wide, 2 ft. deep, course S.20°W.  
 20.80 Dry sand wash, 20 lks.wide, 1½ ft. deep, course S.30°W.  
 40.015 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap,  
     ½ S 13 in N., and  
     S 24,1914 in S.half; from which,  
     A palo verde, 8 ins. in diam., brs.S.24½°E.,  
     36 lks.dist., marked ¼ S 24 B T.  
     A palo verde, 12 ins. in diam., brs.N.6¼°E.,  
     150 lks.dist., marked ½ S 13 B T.

70.30 Dry sand wash, 12 lks.wide, 1½ ft. deep, course S.20°W.  
 80.03 The cor.of secs.13,14,23 and 24.  
 Land, rolling valley, slopes gently to the SW.  
 Soil, gravelly and sandy clay loam, about 24 ins. deep on dry, stony clay subsoil.  
 Timber, scattering palo verde, mesquite and ironwood.

N.0°01'W., bet. secs.13 and 14.  
 Over rolling, stony and gravelly valley land, slopes to the southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.

6.95 Dry sand wash, 20 lks.wide, 2 ft. deep, course S.25°W.  
 24.80 Wood road, brs.NE. and SW.  
 40.00 Set an iron post 3 ft.long, 1 in.in diam., 26 ins. in the ground, for ¼ sec.cor., marked on brass cap,  
     ¼ S 14 in W.,  
     S 13 in E., and  
     1914 in S.half;  
 no trees within limits; dig pits 18x18x12 ins., N. and S.of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, west of cor.

42.60 Wood road, brs.NE. and SW.  
 46.55 Dry sand wash, 20 lks.wide, 2 ft. deep, course S.20°W.  
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins.in the ground for cor.of secs.11,12,13 and 14, marked on brass cap,  
     T 4 N, R 4 E in N., and  
     1914 in S.half;  
     S 11 in NW.,  
     S 12 in NE.,  
     S 13 in SE., and  
     S 14 in SW.quadrant; from which,  
     An ironwood, 14 ins. in diam., brs.N.63¾°W.,  
     76 lks.dist., marked T 4 N R 4 E S 11 BT.  
     An ironwood, 18 ins. in diam., brs.S.63¾°W.,  
     217 lks.dist., marjed T 4 N R 4 E S 14 BT.

No other trees suitable for bearing trees within the prescribed limits; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, west of cor.  
 Land, rolling valley, slopes to the SW.  
 Soil, stony and gravelly clay loam, 12 to 36 ins. deep, on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

40.00 S.89°56'E., on a random line, bet. secs.12 and 13.  
 Set temp.¼ sec.cor.

## 10. Subdivision of Township 4 North, Range 4 East

## Chains.

80.06 Intersect the east bdy, of the Tp., 2 lks.north of the corner of secs.12 and 13, which I reestablished April 21, 1914, as described in Book "A."

Thence I run, N.89°55'W., on a true line, bet. secs.12 and 13.

Over rolling and stony valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.

11.56 Dry sand wash, 60 lks.wide, 1½ ft. deep, course south.

30.81 Dry sand wash, 20 lks.wide, 2 ft. deep, course S.35°W.

40.03 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for ¼ sec.cor., marked on brass cap,

¼ S.12 in N., and  
S 13, 1914 on S.half;

no trees within limits; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft. high, north of cor.

Note: At this corner, I set off 12°47'N. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33°42'N. on the lat.arc.

50.16 Dry sand wash, 20 lks.wide, 1½ ft. deep, course south.

51.61 Old wood road, brs.NE. and SW.

74.06 Dry sand wash, 15 lks.wide, 1½ ft. deep, course SW.

80.06 The cor.of secs.11,12,13 and 14.

Land, rolling and broken, slopes to the SW.

Soil, coarse gravelly, clay loam, about 12 ins. deep on dry, stony clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite and ironwood.

N.0°01'W., bet. secs.11 and 12.

Over rolling, gravelly valley land, slopes to the southwest; through scattering palo verde, mesquite and ironwood timber, and greasewood brush undergrowth, 4 to 6 ft.high.

2.00 Dry sand wash, 75 lks.wide, 2 ft. deep, course S.40°W.

9.80 Dry sand wash, 20 lks.wide, 1½ ft. deep, course SW.30°W.

26.40 Old wood road brs.E.and W.

35.00 Road, brs.N.10°E. and S.20°W.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap,

¼ S 11 in W.,  
S 12 in E., and

1914 in S.half; from which,

An ironwood, 14 ins. in diam., brs.N.29½°E.,  
146 lks.dist., marked ¼ S 12 B T.

An ironwood, 12 ins. in diam., brs.N.75°W., 330  
lks.dist., marked ¼ S 11 B T.

71.50 Dry sand wash, 25 lks.wide, 2½ ft. deep, course S.30°W.

80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 1,2,11 and 12, marked on brass cap,

T 4 N R 4 E in N., and

1914 in S.half;

S 2 in NW.,

S 1 in NE.,

S 12 in SE., and

S 11 in SW. quadrant;

no trees within limits; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft base, 2 ft.high, west of cor.

Chains.

Land, rolling, stony valley, slopes to the southwest.  
Soil, dry gravel clay loam, about 12 ins. deep on dry,  
stony and gravelly clay subsoil.  
Light growth bunch grass.  
Timber, palo verde, mesquite and ironwood.

40.00  
80.06

S. 89° 55' E., on a random line, bet. secs. 1 and 12.  
Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect the east boundary of the Tp., 8 lks. south of  
the cor. of secs. 1 and 12, which I established April  
21, 1914, as described in Book "A."

3.57  
25.67  
35.37  
40.03

Thence I run,  
N. 89° 58' W., on a true line, bet. secs. 1 and 12.  
Over rolling sandy and gravelly valley land, through  
scattering palo verde, mesquite and ironwood timber  
and greasewood brush undergrowth, 3 to 5 ft. high.  
Dry sand wash, 40 lks. wide, 3 ft. deep, course S. 35° W.  
Dry sand wash, 20 lks. wide, 2  $\frac{1}{2}$  ft. deep, course S. 30° W.  
Dry sand wash, 20 lks. wide, 2 ft. deep, course S. 35° W.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 1 in N., and  
S 12, 1914 in S. half;  
no trees suitable for bearing trees within limits;  
dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.,  
and raise a mound of earth 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft. high,  
north of cor.

47.27  
73.67  
80.06

Old road, brs. NW. and SE.  
Old wood road, brs. N. and S.  
The cor. of secs. 1, 2, 11 and 12.  
Land, rolling valley, slopes to the SW.  
Soil, poor, stony and gravelly clay loam about 12 to 26  
ins. deep on dry stony clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, ironwood and mesquite.

99.55  
11.00

N. 0° 01' W., on a true line, bet. secs. 1 and 2.  
Over rolling, gravelly, valley land, slopes to the SW.,  
through scattering palo verde, mesquite and ironwood  
timber and greasewood brush undergrowth, 4 to 6 ft.  
high.

20.15

Old wood road, brs. NE. and SW.  
Enter dry sand wash, 20 lks. wide, 3 ft. deep, course S.  
20° W.

40.00

Leave sand wash, comes from the NE., over low gravelly  
and stony ridges.

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 2 in W.,  
S 1 in E., and

74.40

1914 in S. half; from which,  
An ironwood, 14 ins. in diam., brs. N. 54° E., 101  
lks. dist., marked  $\frac{1}{4}$  S 1 B T.  
An ironwood, 6 ins. in diam., brs. N. 71° W., 99  
lks. dist., marked  $\frac{1}{4}$  S 2 B T.  
Intersect the First Standard Parallel North, 249 lks. N.  
89° 51' E. of the standard cor. of secs. 35 and 36, T.  
5 N., R. 4 E., which I reestablished April 20, 1914,  
as described in Book "B." At point of intersection,  
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground for closing cor. of secs. 1, and 2, marked  
on brass cap,

## 12. Subdivision of Township 4 North, Range 4 East.

Chains.

C C S of center,  
T 4 N, R 4 E, S 35, S 36 in N., and  
1914 in S. half;  
S 1 in SE.; and  
S 2 in SW. quadrant; from which,

An ironwood, 22 ins. in diam., brs. S.  $67^{\circ}$  E., 77  
lks. dist., marked T 4 N R 4 E S 1 B T.

A palo verde, 8 ins. in diam., brs. S.  $45\frac{3}{4}^{\circ}$  W.,  
90 lks. dist., marked T 4 N. R 4 E S 2 B T.

Land, rolling valley, slopes to the SW.

Soil, coarse gravelly clay loam, 12 to 30 ins. deep, on  
dry gravelly, clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite and ironwood.

April 24, 1914.

April 22, 1914, (continued). At 8h.30m. a.m.,  
West, on Sectional Correction Line, bet. secs. 26 and 35.  
Over nearly level, sandy valley land, through scattering  
palo verde; mesquite and ironwood timber and grease-  
wood brush undergrowth, 3 ft. high.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor.; marked on brass cap,  
 $\frac{1}{4}$  S 26 in N., and  
S 35, 1914 in S. half;

no trees within limits; dig pits 18x18x12 ins., E. and  
W. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$   
ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

72.25 Road from Phoenix, Arizona to the Frazier Spring, brs. N.  
 $50^{\circ}$  E. and S.  $50^{\circ}$  W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam.; 24 ins. in  
the ground, for cor. of secs. 26, 27, 34 and 35, marked  
on brass cap,

T 4 N R 4 E in N., and  
1914 in S. half;  
S 27 in NW.,  
S 26 in NE.,  
S 35 in SE.; and  
S 34 in SW. quadrant;

no trees large enough for bearing trees within limits;  
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, west  
of cor.

Land, nearly level sandy valley land, slopes to the SW.  
Soil, rich fine dry sandy clay loam, 12 to 36 ins. deep on  
dry, sandy clay and gravelly subsoil. No grass.

Timber, scattering palo verde, mesquite and ironwood  
timber.

April 22, 1914.

(To be continued).

April 25, 1914. At 7h.58m. a.m., l.m.t., I set off  $33^{\circ}$   
 $39'$  N. on the lat. arc;  $13^{\circ}04'$  N. on the decl. arc, and  
determine a meridian with the solar at the cor. of  
secs. 26, 27, 34 and 35. Thence I run,  
S.  $0^{\circ}01'$  E., on a random line; bet. secs. 34 and 35.

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

82.24 Intersect the south bdy. of Tp. 2 lks. east of the cor.  
of secs. 34 and 35, which I reestablished March 10,  
1914, as described in Book "C."

Thence I run,

North, on a true line, bet. secs. 34 and 35.

Over nearly level, sandy valley land, slopes to the

southwest, through scattering mesquite and palo verde  
timber and greasewood brush undergrowth and palo verde

Subdivision of Township 4 North, Range 4 East 13

Chains,

3.00 timber and greasewood brush undergrowth 3 ft. high.  
 10.94 Dry sand wash, 12 lks. wide, 2 ft. deep, course S. 20° E.  
 42.24 Old Verde Canal, 35 lks. wide, course N. 81 1/4° W.  
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for 1/4 sec. cor., marked on brass cap,  
 1/4 S 34 in. W.,  
 S 35 in E., and  
 1914 in S. half;  
 no trees suitable for bearing trees within limits;  
 dig pits 18x18x12 ins., N. and S. of post 3 ft. dist.,  
 and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high,  
 west of cor.  
 72.59 Road from Phoenix, Arizona, to the Frazier Spring, brs.  
 NE. and SW.  
 82.24 The cor. of secs. 26, 27, 34 and 35.  
 Land, nearly level valley, slopes to the SW.  
 Soil, rich dry sandy loam, 24 to 60 ins. deep on dry clay  
 subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

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N. 0° 01' W., bet. secs. 26 and 27.  
 Over nearly level sandy valley land, through scattering  
 mesquite and palo verde and ironwood timber and grease-  
 wood undergrowth, 4 ft. high.  
 4.30 Dry sand wash, 10 lks. wide, 3 1/2 ft. deep, course SW.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for 1/4 sec. cor., marked on brass cap,  
 1/4 S 27 in W.,  
 S 26 in E., and  
 1914 in S. half; from which,  
 A palo verde, 10 ins. in diam., brs. N. 12 3/4° E.,  
 278 lks. dist., marked 1/4 S 26 B T.  
 A palo verde, 8 ins. in diam., brs. S. 38 1/2° W., 83  
 lks. dist., marked 1/4 S 27 B T.  
 50.25 Dry sand wash, 20 lks. wide, 2 ft. deep, course SW.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground for cor. of secs. 22, 23, 26 and 27, marked  
 on brass cap,  
 T 4 N R 4 E in N., and  
 1914 in S. half;  
 S 22 in NW.,  
 S 23 in NE.,  
 S 26 in SE., and  
 S 27 in SW. quadrant; from which,  
 A palo verde, 12 ins. in diam., brs. N. 12° E.,  
 187 lks. dist., marked T 4 N R 4 E S 23 B T.  
 A palo verde, 14 ins. in diam., brs. S. 56 1/4° E.,  
 224 lks. dist., marked T 4 N R 4 E S 26 B T.  
 A palo verde, 9 ins. in diam., brs. S. 79 1/2° W.,  
 264 lks. dist., marked T 4 N R 4 E S 27 B T.  
 A palo verde, 8 ins. in diam., brs. N. 43° W.,  
 222 lks. dist., marked T 4 N R 4 E S 22 B T.  
 Land, rolling valley, drains to the SW.  
 Soil, rich dry sandy and gravelly clay loam, 12 to 36  
 ins. deep on dry gravelly clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.  
 Note: At this corner, I set off 13° 07' N. on the decl.  
 arc; and at apparent noon, observe the sun on the  
 meridian, and obtain a reading of 33° 40' N. on the  
 lat. arc.

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40.00 East, on a random line, bet. secs. 23 and 26.  
 Set temp. 1/4 sec. cor.

## 14 Subdivision of Township 4 North Range 4 East.

Chains.

- 80.03 Intersect N. and S. line, 5 lks. north of the cor. of secs. 23, 24, 25 and 26.  
Thence I run,  
N.  $89^{\circ}58'$  W., on a true line, bet. secs. 23 and 26.  
Over rolling sandy and gravelly valley land, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.
- 2.00 Dry sand wash 30 lks. wide, 2 ft. deep, course SW.  
33.73 Dry sand wash, 20 lks. wide, 2 ft. deep, course S.  
40.015 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 23 in N., and  
 $\frac{1}{4}$  S 26, 1914 in S. half; from which,  
An ironwood, 9 ins. in diam., brs. N.  $54\frac{1}{2}^{\circ}$  E., 215 lks. dist., marked  $\frac{1}{4}$  S 23 B T.  
No other trees within limits; dig pits 18x18x12 ins., E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor..
- 55.38 Dry sand wash, 20 lks. wide,  $2\frac{1}{2}$  ft. deep, course S.  $30^{\circ}$  W.  
75.83 Dry sand wash, 10 lks. wide,  $1\frac{1}{2}$  ft. deep, course S.  $30^{\circ}$  W.  
80.03 The cor. of secs. 22, 23, 26 and 27.  
Land, rolling, drains to the SW.  
Soil, rich light, dry sandy and gravelly clay loam, 12 to 36 ins. deep on dry, clay subsoil.  
Light growth bunch grass.  
Timber, palo verde, mesquite and ironwood.
- 
- N.  $0^{\circ}01'$  W., bet. secs. 22 and 23.  
Over rolling, sandy and gravelly valley land, through scattering palo verde, mesquite and ironwood timber, and greasewood brush undergrowth, 4 ft. high.
- 7.05 Dry sand wash, 25 lks. wide, 2 ft. deep, course S.  $30^{\circ}$  W.  
17.60 The same sand wash, 10 lks. wide, course SE.  
21.35 Road from Phoenix, Arizona to the Verde Valley, brs. NE. and SW.  
34.30 The same sand wash, 15 lks. wide,  $1\frac{1}{2}$  ft. deep, course S.  $10^{\circ}$  W.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 22 in W.,  
S 23 in E., and  
1914 in S. half; from which,  
An ironwood, 10 ins. in diam., brs. S.  $34\frac{1}{2}^{\circ}$  E., 160 lks. dist., marked  $\frac{1}{4}$  S 23 B T.  
No other trees within limits; dig pits 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 57.00 Dry sand wash, 20 lks. wide, 2 ft. deep, course SW.  
75.20 Dry sand wash, 15 lks. wide, 1 ft. deep, course SW.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,  
T 4 N, R 4 E in N., and  
1914 in S. half;  
S 15 in NW.,  
S 14 in NE.,  
S 23 in SE.; and  
S 22 in SW. quadrant; from which,  
A palo verde, 8 ins. in diam., brs. N.  $80\frac{1}{2}^{\circ}$  E., 236 lks. dist., marked T 4 N R 4 E S 14 BT.  
A palo verde, 10 ins. in diam., brs. S.  $17\frac{3}{4}^{\circ}$  E., 263 lks. dist., marked T 4 N R 4 E S 23 BT.  
An ironwood, 16 ins. in diam., brs. S.  $61\frac{1}{2}^{\circ}$  W., 318 lks. dist., marked T 4 N R 4 E S 22 BT.  
An ironwood, 14 ins. in diam., brs. N.  $48\frac{1}{2}^{\circ}$  W., 77 lks. dist., marked T 4 N, R 4 E S 15 BT.



Chains.

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, west of cor.

Land, rolling valley, drains to the SW.

Soil, medium rich coarse dry sandy and gravelly clay loam, about 16 ins. deep on dry clay subsoil.

Light growth bunch grass.

Timber, palo verde, mesquite and ironwood.

40.00

S.  $89^{\circ}58'E.$ , on a random line, bet. secs. 14 and 23.

80.04

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

Intersect N. and S. line, 8 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence I run,

S.  $89^{\circ}59'W.$ , on a true line, bet. secs. 14 and 23.

Over rolling, sandy and gravelly valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.

3.75

Dry ravine, or sandwash, 20 lks. wide, 2 ft. deep, course S.  $20^{\circ}W.$

21.14

Dry sand wash, 15 lks. wide,  $1\frac{1}{2}$  ft. deep, course SW.

24.09

Old wood road, brs. NE. and SW.

39.72

Old wood road, brs. N. and S.

40.02

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 14 in N., and

S 23, 1914 in S. half; from which,

An ironwood, 9 ins. in diam., brs. N.  $23\frac{1}{2}^{\circ}E.$ , 79 lks. dist., marked  $\frac{1}{4}$  S 14 B T.

A palo verde, 8 ins. in diam., brs. S.  $15\frac{3}{4}^{\circ}W.$ , 83 lks. dist., marked  $\frac{1}{4}$  S 23 B T.

40.74

Dry sand wash, 20 lks. wide, 2 ft. deep, course south.

64.14

Dry sand wash, 15 lks. wide, 2 ft. deep, course SW.

77.89

Dry sand wash, 12 lks. wide, 2 ft. deep, course SW.

80.04

The cor. of secs. 14, 15, 22 and 23.

Land, rolling valley, drains to the SW.

Soil, sandy and gravelly clay loam, about 18 ins. deep on dry gravelly and stony clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite and ironwood.

N.  $0^{\circ}01'W.$ , bet. secs. 14 and 15.

Over rolling, gravelly valley land, slopes to the south and southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 ft. high.

19.30

Dry sand wash, 15 lks. wide, 2 ft. deep, course S.  $30^{\circ}W.$

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 15 in W.,

S 14 in E., and

1914 in S. half; from which,

An ironwood, 14 ins. in diam., brs. N.  $83\frac{3}{4}^{\circ}E.$ , 288 lks. dist., marked  $\frac{1}{4}$  S 14 B T.

An ironwood, 8 ins. in diam., brs. N.  $83\frac{1}{4}^{\circ}W.$ , 78 lks. dist., marked  $\frac{1}{4}$  S 15 B T.

42.70

Dry sand wash, 20 lks. wide, 2 ft. deep, course S.  $35^{\circ}W.$

63.65

Dry sand wash, 20 lks. wide,  $1\frac{1}{2}$  ft. deep, course S.  $30^{\circ}W.$

67.20

Wood road, brs. NE. and SW.

80.00

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15 marked on brass cap,

T 4 N, R 4 E in N., and

1914 in S. half;

S 10 in NW.,

S 11 in NE.,

16. Subdivision of Township 4 North, Range 4 East.

Chains.

S 14 in SE., and  
 S 15 in SW. quadrant; from which,  
 A palo verde, 8 ins. in diam., brs. N. 47° E., 75  
 lks. dist., marked T 4 N R 4 E S 11 BT.  
 A palo verde, 8 ins. in diam., brs. S. 43° W., 279  
 lks. dist., marked T 4 N R 4 E S 15 B T.  
 An ironwood, 10 ins. in diam., brs. N. 38½° W., 218  
 lks. dist., marked T 4 N R 4 E S. 10 BT.

No other trees within limits; dig pits 18x18x12 ins.  
 in each sec. 5½ ft. dist., and raise a mound of earth  
 4 ft. base, 2 ft. high, west of cor.

Land, rolling valley, slopes to the SW.

Soil, dry, sandy and gravelly clay loam, 12 to 36 ins.  
 deep on gravelly clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde and mesquite and ironwood.  
 April 25, 1914.

April 28, 1914: At 10h. 27<sup>th</sup> m., a.m., l.m.t., I set off 33°  
 41½' N. on the lat. arc; 14° 03½' N. on the decl. arc, and  
 determine a meridian with the solar at the cor. of  
 secs. 10, 11, 14 and 15.

Thence I run,

N. 89° 59' E., on a random line, bet. secs. 11 and 14.

40.00

Set temp. ¼ sec. cor.

80.06

Intersect N. and S. line, 4 lks. N. of the cor. of secs. 11,  
 12, 13 and 14.

Thence I run,

N. 89° 59' W., on a true line, bet. secs. 11 and 14.

Over rolling, sandy and gravelly valley land, slopes  
 to the southwest, through scattering palo verde, mes-  
 quite and ironwood timber and greasewood brush under-  
 growth, 4 to 6 ft. high.

1.76

Dry sand wash, 40 lks. wide, 2 ft. deep course SW.

6.95

Dry sand wash, 30 lks. wide, 2 ft. deep, course S. 30° W.

14.40

Old wood road, brs. N. 20° E. and S. 20° W.

40.03

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for ¼ sec. cor., marked on brass cap,  
 ½ S 11 in N., and  
 S 14, 1914 in S. half;

no trees within limits; dig pits 18x18x12 ins., E.  
 and W. of post, 3 ft. dist., and raise a mound of earth  
 3½ ft. base, 1½ ft. high, N. of cor.

61.16

Dry sand wash, 30 lks. wide, 2½ ft. deep, course S. 35° W.

64.95

Dry sand wash, 15 lks. wide, 1½ ft. deep, course S. 35° W.

76.36

Old wood road, brs. N. and S.

80.06

The cor. of secs. 10, 11, 14 and 15.

Land, rolling valley, slopes to the SW.

Soil, dry, gravelly clay loam, 12 to 36 ins. deep on dry  
 clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite and ironwood.

N. 0° 01' W., bet. secs. 10 and 11.

Over nearly level, sandy and gravelly valley land, through  
 scattering palo verde, mesquite and ironwood timber and  
 greasewood brush undergrowth, 4 ft. high.

2.90

Dry sand wash, 25 lks. wide, 2 ft. deep, course SW.

14.90

Dry sand wash, 15 lks. wide, 2 ft. deep, course SW.

30.45

Wood road, brs. NW. and SE.

36.80

Dry sand wash, 20 lks. wide, 2 ft. deep, course S. 35° W.

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for ¼ sec. cor., marked on brass cap,

## Subdivision of Township 4 North, Range 4 East. 17.

Chains.

$\frac{1}{4}$  S 10 in W.,  
 $\frac{1}{4}$  S 11 in E., and  
 1914 in S. half; from which,  
 An ironwood, 12 ins. in diam., brs. S.  $26\frac{1}{4}^{\circ}$  E.,  
 270 lks. dist., marked  $\frac{1}{4}$  S 11 BT.  
 An ironwood, 16 ins. in diam., brs. N.  $70\frac{1}{2}^{\circ}$  W.,  
 176 lks. dist., marked  $\frac{1}{4}$  S 10 BT.  
 48.90 Dry sand wash, 40 lks. wide, 2 ft. deep, course S.  $60^{\circ}$  W.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground for cor. of secs. 2, 3, 10 and 11, marked on  
 brass cap,  
 T 4 N R 4 E in N., and  
 1914 in S. half;  
 $\frac{1}{4}$  S 3 in NW.,  
 $\frac{1}{4}$  S 2 in NE.,  
 $\frac{1}{4}$  S 11 in SE., and  
 $\frac{1}{4}$  S 10 in SW. quadrant;  
 no trees within limits; 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, west of cor.  
 Land, rolling valley, slopes gradually to the SW.  
 Soil, poor gravelly clay loam, about 16 ins. deep on  
 dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.  
 Note: At this cor., I set off  $14^{\circ}04\frac{1}{2}'$  N. on the decl.  
 arc; and at apparent noon, observe the sun on the  
 meridian, and obtain a reading of  $33^{\circ}42'$  N. on the  
 lat. arc.

-----  
 S.  $89^{\circ}59'$  E., on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect N. and S. line, 3 lks. south of the cor. of secs.  
 1, 2, 11 and 12.  
 Thence I run,  
 West, on a true line, bet. secs. 2 and 11.  
 Over rolling, gravelly, valley land, through scattering  
 palo verde, mesquite and ironwood timber and grease-  
 wood brush undergrowth, about 5 ft. high.  
 7.40 Enter dry sand wash, 3 ft. deep, course S.  $80^{\circ}$  W.  
 9.00 Leave sand wash, course S.  $30^{\circ}$  W.  
 25.30 Dry sand wash, 20 lks. wide, 2 ft. deep, course SW.  
 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 2 in N., and  
 $\frac{1}{4}$  S 11, 1914 in S. half; from which,  
 An ironwood, 14 ins. in diam., brs. N.  $29\frac{1}{4}^{\circ}$  E.,  
 177 lks. dist., marked  $\frac{1}{4}$  S 2 B T.  
 An ironwood, 12 ins. in diam., brs. S.  $34\frac{1}{4}^{\circ}$  E.,  
 102 lks. dist., marked  $\frac{1}{4}$  S 11 BT.  
 44.76 Wood road, brs. NW. and SE.  
 55.45 Dry sand wash, 20 lks. wide,  $2\frac{1}{2}$  ft. deep, course SW.  
 80.04 The cor. of secs. 2, 3, 10 and 11.  
 Land, rolling sandy and gravelly valley land, slopes to  
 the SW.  
 Soil, sandy and gravelly loam, 12 to 30 ins. deep on  
 dry, gravelly, clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

-----  
 N.  $0^{\circ}01'$  W., on a true line, bet. secs. 2 and 3.  
 Over rolling, gravelly valley land, slopes to the SW.,  
 through scattering palo verde, mesquite and ironwood  
 timber, and greasewood brush undergrowth, 4 ft. high.  
 19.00 Wood road, brs. E. and W.

18. Subdivision of Township 4 North, Range 4 East.

Chains  
 31.60 Dry sand wash, 20 lks. wide, 2 ft. deep, course SW.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
      $\frac{1}{4}$  S 3 in W.,  
     S 2 in E., and  
     1914 in S. half; from which,  
     An ironwood, 12 ins. in diam., brs. S.  $22\frac{1}{2}^{\circ}$  E.,  
     190 lks. dist., marked  $\frac{1}{4}$  S 2 B T.  
     A palo verde, 12 ins. in diam., brs. N.  $42^{\circ}$  W., 7 lks. dist., marked  $\frac{1}{4}$  S 3 B T.  
 51.00 Dry sand wash, 15 lks. wide,  $2\frac{1}{2}$  ft. deep, course S.  $35^{\circ}$  W.  
 58.60 Road from Phoenix, Arizona to Camp Creek, brs. N.  $60^{\circ}$  E., and S.  $40^{\circ}$  W.  
 63.10 Dry sand wash, 25 lks. wide, 2 ft. deep, course SW.  
 74.31 Intersect the First Standard Parallel North, 263 lks. N.  $89^{\circ} 51'$  E. of the standard cor. of secs. 34 and 35, T. 5 N., R. 4 E., as described in Book "B." At point of intersection,  
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap,  
     C C S of center,  
     T 4 N R 4 E, S. 34, S 35 in N., and  
     1914 in S. half;  
     S 2 in SE., and  
     S 3 in SW. quadrant; from which,  
     An ironwood, 12 ins. in diam., brs. S.  $49^{\circ}$  E., 238 lks. dist., marked T 4 N, R 4 E S 2 B T.  
     An ironwood, 10 ins. in diam., brs. S.  $22^{\circ}$  W., 266 lks. dist., marked T 4 N R 4 E S 3 B T.  
 Land, rolling, slopes to the SW.  
 Soil, poor, dry, gravelly clay loam, 12 to 36 ins. deep on gravelly clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.  
 April 28, 1914.

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 April 22, 1914, (continued.) At 1h. 30m. p.m., I run, West, on Sectional Correction Line, bet. secs. 27 and 34. Over nearly level sandy valley land, slopes to the south, through scattering palo verde and mesquite timber, and greasewood brush undergrowth, 4 ft. high.  
 4.00 Dry sand wash, 10 lks. wide, 3 ft. deep, course SW.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
      $\frac{1}{4}$  S 27 in N., and  
     S 34, 1914 in S. half; from which,  
     A mesquite, 8 ins. in diam., brs. N.  $60\frac{1}{2}^{\circ}$  W., 209 lks. dist., marked  $\frac{1}{4}$  S 27 B T.  
     An ironwood, 6 ins. in diam., brs. S.  $64^{\circ}$  W., 265 lks. dist., marked  $\frac{1}{4}$  S 34 B T.  
 74.20 Old wood road, brs. N.  $35^{\circ}$  E. and S.  $35^{\circ}$  W.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap,  
     T 4 N, R 4 E in N., and  
     1914 in S. half;  
     S 28 in NW.,  
     S 27 in NE.,  
     S 34 in SE., and  
     S 33 in SW. quadrant;  
     no trees within limits; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{8}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
 Land, rolling valley, slopes to the south.  
 Soil, rich fine dry sandy loam, 24 to 60 ins. deep on dry clay subsoil.  
 Timber, scattering mesquite, palo verde and ironwood.  
 April 22, 1914 (to be continued).

Subdivision of Township 4 North, Range 4 East, 19.

Chains.

April 27, 1914: At 7h. 43m. a.m., l.m.t., I set off 33° 29' N. on the lat. arc; 13° 42' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34.

Thence I run, South, on a random line, bet. secs. 33 and 34.

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

81.69 Intersect the south bdy. of Tp., 10 lks. west of the cor. of secs. 33 and 34, which I reestablished March 10, 1914, as described in Book "C."

Thence I run, N. 0° 04' W., on a true line, bet. secs. 33 and 34.

Over level, sandy valley land, through scattering grease-wood brush undergrowth, 3 ft. high.

29.25 Old Verde Canal, 35 lks. wide, course N. 74° W.

41.69 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 33 in W.,  
S 34 in E., and  
1914 in S. half;

dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

45.54 Road from Phoenix, Arizona, to the Verde Valley, brs. NE. and SW.

61.32 Wood road, brs. NE. and SW.

81.69 The cor. of secs. 27, 28, 33 and 34.

Land, level valley, drains to the south.

Soil, rich dry sandy loam, which well borings show to be from 4 to 30 ft. on clay and gravel subsoil.

No timber.

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N. 0° 02' W., bet. secs. 27 and 28.

Over level sandy and gravelly valley land, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth 4 to 6 ft. high.

30.95 Road from Phoenix, Arizona to the Verde Valley, brs. N. 40° E., and S. 40° W.

34.40 Dry sand wash, 15 lks. wide, 4 ft. deep, course SW?

39.45 Same road, brs. N. 30° W. and S. 30° E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 28 in W.,  
S 27 in E., and  
1914 in S. half;

no trees suitable for bearing trees within limits; dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap,

T. 4 N R 4 E in N., and  
1914 in S. half;  
S 21 in NW.  
S 22 in NE.  
S 27 in SE.; and  
S 28 in SW. quadrant;

no trees within limits; 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, west of cor.

Land, level, drains to the southwest.

Soil, rich fine dry sandy clay loam, 4 to 12 ft. deep on dry clay and gravel subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite and ironwood.

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## 20. Subdivision of Township 4 North, Range 4 East.

Chains.

- East, on a random line, bet. secs. 22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 22, 23, 26 and 27.  
 Thence I run,  
 N.  $89^{\circ}56'$  W., on a true line, bet. secs. 22 and 27.  
 Over rolling, sandy and gravelly valley land, slopes to the southwest, through scattering palo verde, mesquite and ironwood timber, and greasewood brush undergrowth, 4 to 6 ft. high.  
 3.35 Dry sand wash, 20 lks. wide, 2 ft. deep, course south.  
 15.55 Old road from Phoenix, Arizona to the Verde Valley, brs. NE. and SW.  
 39.95 Set an iron post 3 ft. long, 1 in. indiam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 22 in N., and  
 S 27, 1914, in S. half; from which,  
 A palo verde, 6 ins. indiam., brs. N.  $77^{\circ}$  E., 196 lks. dist., marked  $\frac{1}{4}$  S 22 B T.  
 A palo verde, 8 ins. in diam., brs. S.  $27\frac{1}{2}^{\circ}$  E., 57 lks. dist., marked  $\frac{1}{4}$  S 27 B T.  
 Note: At this cor., I set off  $13^{\circ}45\frac{1}{2}'$  N. on the decl. src; and at apparent noon, observe the sun on the meridian, the resulting latitude being  $33^{\circ}40'$  N.  
 48.15 Dry sand wash, 24 lks. wide,  $2\frac{1}{2}$  ft. deep, course SW.  
 75.10 Dry sand wash, 15 lks. wide, 3 ft. deep, course SW.  
 79.90 The cor. of secs. 21, 22, 27 and 28.  
 Land, rolling valley, drains to the southwest.  
 Soil, medium rich fine dry, sandy and gravelly clay loam, with some decomposed granite, about 24 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.
- 
- N.  $0^{\circ}02'$  W., bet. secs. 21 and 22.  
 Over rolling, sandy valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber, and greasewood brush undergrowth, 4 ft. high.  
 14.00 Old road from Phoenix, Arizona, to the Verde Valley, brs. N.  $50^{\circ}$  E. and S.  $50^{\circ}$  W.  
 40.00 Set an iron post 3 ft. long, 1 in. indiam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 21 in W.,  
 S 22 in E., and  
 1914 in S. half;  
 no trees within prescribed limits; dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.  
 55.00 Dry sand wash, 10 lks. wide, 3 ft. deep, course S.  $30^{\circ}$  W.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap,  
 T.  $\frac{1}{4}$  N R 4 E in N., and  
 1914 in S. half;  
 S 16 in NW.  
 S 15 in NE.;  
 S 22 in SE., and  
 S 21 in SW. quadrant;  
 no trees within the prescribed limits; 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, west of cor.  
 Land, rolling valley, slopes to the southwest.  
 Soil, medium rich dry gravelly clay loam, 2 to 4 ft. deep on dry clay and gravelly subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.
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Subdivision of Township 4 North Range 4 East 21

Chains.

40.00 S.89°56'E., on a random line, bet. secs.15 and 22.  
 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.86 Intersect N and S. line, 3.lks.S.of the cor.of secs.14,  
 15,22 and 23.  
 Thence I run,  
 N.89°57'W., on a true line, bet. secs.15 and 22.  
 Over rolling, sandy and gravelly valley land, slopes to  
 the southwest, through scattering palo verde, mes-  
 quite and ironwood timber, and greasewood brush under-  
 growth 4 ft.high.  
 12.85 Dry sand wash, 20 lks.wide, 2 ft. deep, course SW.  
 32.85 Dry sand wash, 20 lks.wide, 3 ft. deep, course SW.  
 39.93 Set an iron post 3 ft.long, 1 in.in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 15 in N., and  
 S 22, 1914 in S.half;  
 no trees suitable for bearing trees within limits;  
 dig pits 18x18x12 ins., E.and W.of post 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 north of cor.  
 68.25 Old road from Phoenix, Arizona to the Verde Valley, brs.  
 N.and S..  
 79.86 The cor.of secs.15,16,21 and 22..  
 Land, rolling valley, slopes to the southwest.  
 Soil, dry sandy and gravelly clay loam, 12 to 30 ins.  
 deep on dry sandy and stony clay subsoil.  
 Light growth of bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.  
 April 27, 1914.

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 April 28, 1914: At 7h.12 $\frac{1}{2}$ m. a.m., l.m.t., I set off 33°41'  
 N. on the lat.arc; 14°02'N. on the decl.arc; and de-  
 termine a meridian with the solar at the cor.of secs.  
 15,16,21 and 22.  
 Thence I run,  
 N.0°02'W., bet. secs.15 and 16.  
 Over rolling, sandy valley land, through scattering palo  
 verde, mesquite and ironwood timber and greasewood brush  
 undergrowth, 4 ft.high.  
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 16 in W.,  
 S 15 in E., and  
 1914 in S.half;  
 no trees within limits; dig pits 18x18x12 ins., N.  
 and S.of post 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 an iron oost, 3 ft.long, 2 ins in diam., 24 ins. in  
 the ground for cor.of secs.9,10,15 and 16, marked on  
 brass cap,  
 T 4 N, R 4 E in N., and  
 1914 in S.half;  
 S 9 in NW.  
 S 10 in NE.  
 S 15 in SE.; and  
 S 16 in SW.quadrant;  
 no trees suitable for bearing trees within the pre-  
 scribed limits; dig pits 18x18x12 ins. in each sec.  
 $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.base, 2  
 ft.hggh, west of cor.  
 Land, rolling valley; slopes to the SW.  
 Soil, light loose dry sandy loam 2 to 4 ft.deep on dry  
 clay subsoil.  
 Light growth bunch grass.  
 Timber, mesquite, scattering; palo verde and ironwood.

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## 22. Subdivision of Township 4 North, Range 4 East.

## Chains.

- S.  $89^{\circ}57'E.$ , on a random line, bet. secs. 10 and 15.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.86 Intersect N. and S. line, 3 lks. north of the corner of  
 secs. 10, 11, 14 and 15.  
 Thence I run,  
 N.  $89^{\circ}56'W.$ , on a true line, bet. secs. 10 and 15.  
 Over rolling, sandy valley land, through scattering mes-  
 quite, palo verde, and ironwood timber and greasewood  
 brush undergrowth, 3 to 5 ft. high.  
 2.50 Dry sand wash, 20 lks. wide, 2 ft. deep, course S.  $30^{\circ}W.$   
 17.50 Dry sand wash, 16 lks. wide,  $1\frac{1}{2}$  ft. deep, course S.  $35^{\circ}W.$   
 39.93 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 10 in N., and  
 $\frac{1}{4}$  S 15, 1914 in S. half; from which,  
 An ironwood, 16 ins. in diam., brs. N.  $45\frac{1}{2}^{\circ}W.$ ,  
 327 lks. dist. marked  $\frac{1}{4}$  S 10 B T.  
 An ironwood, 18 ins. in diam., brs. S.  $11\frac{1}{2}^{\circ}W.$ ,  
 7 lks. dist., marked  $\frac{1}{4}$  S 15 B T.  
 51.10 Old road from Phoenix, Arizona to the Verde Valley, brs.  
 NE. and SW.  
 73.30 Dry sand wash, 20 lks. wide, 2 ft. deep, course S.  $35^{\circ}W.$   
 79.86 The cor. of secs. 9, 10, 15 and 16.  
 Land, rolling valley, slopes to the SW.  
 Soil, light dry, sandy clay loam, with considerable gravel  
 12 to 30 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.  
 April 28, 1914.
- 
- May 1, 1914: At 10h. 42m. a.m., l.m.t., I  
 set off  $33^{\circ}41\frac{1}{2}'N.$  on the lat. arc;  $14^{\circ}59\frac{1}{2}'N.$  on the  
 decl. arc, and determine a meridian with the solar at  
 the cor. of secs. 9, 10, 15 and 16.  
 Thence I run,  
 N.  $0^{\circ}02'W.$ , bet. secs. 9 and 10.  
 Over rolling sandy and gravelly valley land slopes to the  
 SW., through scattering palo verde, mesquite and iron-  
 wood timber, and greasewood brush undergrowth, 4 ft.  
 high.  
 10.90 Wood road, brs. E. and W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 9 in W.,  
 S 10 in E., and  
 1914 in S. half;  
 no trees within limits; dig pits 18x18x12 ins., N.  
 and S. of post 3 ft. dist.; and raise a mound of earth  
 $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.  
 47.60 Road from Phoenix, Arizona, to Camp Creek, brs. NE. and  
 SW.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for cor. of secs. 3, 4, 9 and 10, marked on  
 brass cap,  
 T 4 N R 4 E in N., and  
 1914 in S. half;  
 S 4 in NW.,  
 S 3 in NE.,  
 S 10 in SE., and  
 S 9 in SW. quadrant; from which,  
 An ironwood 12 ins. in diam., brs. S.  $16^{\circ}E.$ , 220  
 lks. dist., marked T 4 N R 4 E S 10 B T.  
 An ironwood, 20 ins. in diam., brs. S.  $14\frac{1}{2}^{\circ}W.$ ,  
 190 lks. dist., marked T 4 N R 4 E S 9 B T.  
 An ironwood, 10 ins. in diam., brs. N.  $23^{\circ}PW.$ , 55  
 lks. dist., marked T 4 N R 4 E S 4 B T.



Subdivision of Township 4 North Range 4 East 23

Chains.

No other trees within limits; 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, west of cor.  
 Land, rolling valley, slopes to the southwest.  
 Soil, coarse, dry, sandy and gravelly clay loam, 12 to 36 ins. deep on dry gravelly clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

40.00 S.  $89^{\circ}56'E.$ , on a random line, bet. secs. 3 and 10.  
 79.86 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect N. and S. line, 8 lks. north of the cor. of secs. 2, 3, 10 and 11.  
 Thence I run,  
 N.  $89^{\circ}53'W.$  on a true line, bet. secs. 3 and 10.  
 Over rolling, gravelly, valley land, slopes to the SW., and through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.  
 10.20 Dry sand wash, 15 lks. wide, 2 ft. deep, course S.  $35^{\circ}W.$   
 16.90 Dry sand wash, 20 lks. wide,  $1\frac{1}{2}$  ft. deep, course S.  $30^{\circ}W.$   
 33.60 Wood road, brs. N.  $50^{\circ}E.$  and S.  $50^{\circ}W.$   
 36.35 Dry sand wash, 30 lks. wide, 2 ft. deep, course S.  $40^{\circ}W.$   
 39.93 Set an iron post 3 ft. long, 2 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 3 in N., and  
 S 10, 1914 in S. half; from which,  
 An ironwood, 10 ins. in diam., brs. N.  $41^{\circ}E.$ , 284 lks. dist., marked  $\frac{1}{4}$  S 3 B T.  
 An ironwood, 8 ins. in diam., brs. S.  $14\frac{1}{2}^{\circ}W.$ , 284 lks. dist., marked  $\frac{1}{4}$  S 10 B T.

Note: At this cor., I set off  $15^{\circ}00'N.$  on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of  $33^{\circ}43'N.$  on the lat. arc;

49.45 Road from Phoenix, Arizona, to Camp Creek, brs. N.  $40^{\circ}E.$ , and S.  $40^{\circ}W.$   
 79.86 The cor. of secs. 3, 4, 9 and 10.  
 Land, rolling valley, slopes to the southwest.  
 Soil, dry gravelly clay loam on dry clay and lime cement subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

40.00 N.  $0^{\circ}02'W.$  on a true line, bet. secs. 3 and 4.  
 Over rolling, sandy and gravelly valley land, through scattering palo verde, ironwood and mesquite timber, and greasewood and cactus undergrowth, 3 to 5 ft. high.  
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 4 in W.,  
 S 3 in E., and  
 1914 in S. half; from which,  
 An ironwood, 24 ins. in diam., brs. S.  $51\frac{1}{2}^{\circ}E.$ , 110 lks. dist., marked  $\frac{1}{4}$  S 3 B T.  
 A palo verde, 14 ins. in diam., brs. S.  $14^{\circ}W.$ , 116 lks. dist., marked  $\frac{1}{4}$  S 4 B T.  
 73.86 Intersect the First Standard Parallel North, 297 lks. N.  $89^{\circ}51'E.$ , of the standard cor. of secs. 33 and 34, T. 5 N., R. 4 E., which I reestablished April 20, 1914, as described in Book "B." At point of intersection, Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing corner of secs. 3 and 4, marked on brass cap,  
 C C S of center,

## 24. Subdivision of Township 4 North, Range 4 East.

Chains.

T 4 N R 4 E, S 33, S 34 on N., and  
 1914 in S. half;  
 S 3 in SE., and  
 S 4 in SW. quadrant; from which,  
 A palo verde, 12 ins. in diam., brs. S.  $64\frac{1}{2}^{\circ}$  E.,  
 117 lks. dist., marked T 4 N R 4 E S 3 B T.  
 A palo verde, 6 ins. in diam., brs. S.  $48\frac{1}{4}^{\circ}$  W., 93  
 lks. dist., marked T 4 N R 4 E S 4 B T.

Land, rolling valley, drains to the SW.

Soil, dry, gravelly, clay loam, about 14 ins. deep on  
 dry, gravelly, clay subsoil.

Light growth bunch grass.

Timber, palo verde, mesquite and ironwood.

May 1, 1914.

April 22, 1914; (continued). At 3h.14m. p.m., l.m.t., I  
 run,

West, on Sectional Correction line, bet. secs. 28 and 33.  
 Over rolling, sandy valley land, slopes to the south,  
 through scattering palo verde, mesquite and ironwood  
 timber and greasewood brush undergrowth, 3 to 6 ft.  
 high.

6.65 Old road from Phoenix, Arizona, to the Verde Valley, brs.  
 N.  $40^{\circ}$  E. and S.  $40^{\circ}$  W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 28 in N., and  
 S 33, 1914 in S. half;

no trees within limits; dig pits 18x18x12 ins., E. and  
 W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$   
 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for cor. of secs. 28, 29, 32 and 33, marked  
 on brass cap,

T 4 N, R 4 E in N., and  
 1914 in S. half;  
 S 29 in NW.,  
 S 28 in NE.,  
 S 33 in SE., and  
 S 32 in SW. quadrant;

no trees within the prescribed limits; dig pits 18x18  
 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a  
 mound of earth 4 ft. base, 2 ft. high, west of cor.

Land, nearly level valley, drains to the SW.

Soil, rich fine, dry, sandy loam, 2 to 5 ft. deep on dry  
 clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite and ironwood.

April 22, 1914.

(Conclusion).

April 29, 1914: At 8h. 12 $\frac{1}{2}$ m. a.m., l.m.t., I set off  $33^{\circ}$   
 $39'$  N. on the lat. arc;  $14^{\circ}21'$  N. on the decl. arc; and  
 determine a meridian with the solar at the cor. of  
 secs. 28, 29, 32 and 33.

Thence I run,

S.  $0^{\circ}04'$  E., on a random line, bet. secs. 32 and 33.

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

81.18 Intersect the south bdy. of Tp., at the cor. of secs. 32  
 and 33, which I reestablished March 10, 1914, as de-  
 scribed in Book "C."

Thence I run,

N.  $0^{\circ}04'$  W., on a true line, bet. secs. 32 and 33.

Over level, sandy valley land, drains to the south,  
 through scattering mesquite timber and greasewood  
 brush undergrowth, 3 ft. high.

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Chains.

- 5.08 Old road from Phoenix, Arizona, to the Frazier Spring, brs.NE and S W.
- 41.18 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 32 in W.,  
 S 33 in E., and  
 1914 in S.half;  
 no trees within limits; dig pits 18x18x12 ins., N.and S.of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of corner.
- 43.93 Old road from Phoenix, Arizona, to the Verde Valley, brs. NE and SW.
- 57.88 Old Verde Canal, 35 lks.wide, course N.79 $\frac{1}{2}$ °W.
- 81.18 The cor.of secs.28,29, 32 and 33.  
 Land, level valley, drains to the south and southwest.  
 Soil, rich, dry sandy clay loam, about 12 ins. deep on dry, clay subsoil.  
 Timber, scattering mesquite and palo verde.

- N.0°02'W., bet. secs.28 and 29.  
 Over level, sandy valley land, through scattering greasewood brush undergrowth, 4 ft. high.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 29 in W.,  
 S 28 in E., and  
 1914 in S.half;  
 dig pits 18x18x12 ins., N.and S.of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.
- 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs.20,21,28 and 29, marked on brass cap,  
 T 4 N, R 4 E in N., and  
 1914 in S.half;  
 S 20 in NW.,  
 S 21 in NE.,  
 S 28 in SE., and  
 S 29 in SW.quadrant; from which,  
 An ironwood, 21 ins. in diam., brs.S.52 $\frac{1}{4}$ °E., 41 lks.dist., marked T 4 N R 4 E S 28 BT.  
 An ironwood, 8 ins. in diam., brs.N.73°W., 80 lks.dist., marked T 4 N R 4 E S 20 B T.
- No other trees within limits; 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, west of cor.  
 Land, level, valley, drains to the south.  
 Soil, rich fine dry sandy clay loam, about 24 ins. deep on coarse dry, clay subsoil.  
 Timber, scattering ironwood timber. near the sec.cor.

- East, on a random line, bet. secs.21 and 28.
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 80.02 Intersect N.and S. line, 2 lks south of the corner of secs. 21,22,27 and 28.  
 Thence I run,  
 S.89°59'W. on a true line, bet. secs.21 and 28.  
 Over nearly level, sandy and gravelly valley land, through scattering palo verde, mesquite and ironwood timber.
- 1.32 Road from Phoenix, Arizona, to Verde Valley, brs.N.and S.
- 40.01 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 21 in N., and  
 S 28, 1914 in S.half;

26: Subdivision of Township 4 North, Range 4 East.

Chains.  
 80.02 no trees within limits; dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, north of corner.  
 The corner of secs. 20, 21, 28 and 29.  
 Land, nearly level valley, drains to the south and southwest.  
 Soil, medium rich fine dry sand, and gravelly clay loam, 12 to 24 ins. deep on dry gravelly, clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

-----  
 N. 0° 02' W., bet. secs. 20 and 21.  
 40.00 Over rolling, sandy valley land, slopes to the southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 ft. high.  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap,  
 1/4 S 20 in W.,  
 S 21 in E., and  
 1914 in S. half; from which,  
 A palo verde, 6 ins. in diam., brs. N. 51° E., 220 lks. dist., marked 1/4 S 21 BT.  
 An ironwood, 8 ins. in diam., brs. S. 15 1/2° W., 19 lks. dist., marked 1/4 S 20 BT.

Note: At this corner at apparent noon, I set off 14° 23 1/2' N. on the decl. arc, and observe the sun on the meridian; the resulting latitude being 33° 40' N.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap,

T 4 N R 4 E in N., and  
 1914 in S. half;  
 S 17 in NW.  
 S 16 in NE.  
 S 21 in SE.; and  
 S 20 in SW. quadrant; from which,  
 A palo verde, 10 ins. in diam., brs. N. 34 3/4° E., 158 lks. dist., marked T 4 N R 4 E S 16 BT.  
 A palo verde, 12 ins. in diam., brs. S. 85° E., 163 lks. dist., marked T 4 N R 4 E S 21 BT.  
 An ironwood, 14 ins. in diam., brs. S. 27° W., 39 lks. dist., marked T 4 N R 4 E S 20 B T.

No other trees within limits; dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
 Land, rolling, almost level valley, slopes to the southwest.  
 Soil, dry, sandy clay loam, 12 to 30 ins. deep on dry gravelly clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

-----  
 40.00 N. 89° 59' E., on a random line, bet. secs. 16 and 21.  
 80.02 Set temp. 1/4 sec. cor.  
 Intersect N. and S. 2 lks. S. of the cor. of secs. 15, 16, 21 and 22.

Thence I run,  
 S. 89° 58' W., on a true line, bet. secs. 16 and 21.  
 Over rolling, sandy and gravelly valley land, drains to the southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth 3 to 6 ft. high.  
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,  
 1/4 S 16 in N., and  
 S 21, 1914 in S. half;

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Chains.

no trees within limits; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.02 The cor. of secs. 16, 17, 20 and 21.  
Land, rolling valley, slopes gently to the southwest.  
Soil, medium rich dry, sandy and gravelly clay loam, about 16 ins. deep on dry stony clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.  
April 29, 1914.

May 1, 1914: At 7h. 12m. a.m., l.m.t., I set off 33°41' N. on the lat. arc; 14°57 1/2' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 16, 17, 20 & 21. Thence I run, N. 0°02' W., bet. secs. 16 and 17.  
Over rolling, sandy and gravelly valley land, slopes to the southwest, through scattering palo verde, ironwood, and mesquite timber, and greasewood brush undergrowth, 4 to 5 ft. high.

13.60 Dry sand wash, 15 lks. wide, 3 ft. deep, course SW.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 17 in W., S 16 in E., and 1914 in S. half; no trees within limits; dig pits 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

48.58 Road from Phoenix, Arizona, to Camp Creek, brs. NE. and SW.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap, T 4 N R 4 E in N., and 1914 in S. half; S 8 in NW., S 9 in NE., S 16 in SE., and S 17 in SW. quadrant;

no trees within the prescribed limits; dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
Land, rolling valley slopes gently to the SW.  
Soil, medium rich dry, gravelly clay loam, about 18 ins. deep on dry clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.

N. 89°58' E., on a random line, bet. secs. 9 and 16.  
40.00 Set temp. 1/4 sec. cor.  
80.02 Intersect N. and S. line at the cor. of secs. 9, 10, 15 and 16.  
Thence I run, S. 89°58' W., on a true line, bet. secs. 9 and 16.  
Over rolling, sandy and gravelly valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.

33.52 Dry sand wash, 20 lks. wide, 3 ft. deep, course SW.  
40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 9 in N., and S 16, 1914 in S. half; no trees suitable for bearing trees within limits; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

48.62 Road from Phoenix, Arizona, to Camp Creek, brs. NE. and SW.  
51.37 Wood road brs. NW. and SE.  
80.02 The cor. of secs. 8, 9, 16 and 17.  
Land, rolling valley, slopes gently to the southwest.  
Soil, gravelly clay loam, about 16 ins. deep on dry clay subsoil. Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.  
May 1, 1914.

## 28. Subdivision of Township 4 North, Range 4 East.

Chains.

- May 4, 1914: At 7h.57m.a m., l.m.t., I set off  $33^{\circ}41\frac{1}{2}'$  N. On the lat. arc;  $15^{\circ}51'$  N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 8, 9, 16 & 17. Thence I run, N.  $0^{\circ}02'$  W., bet. secs. 8 and 9. Over rolling, gravelly valley land, through scattering palo verde, mesquite, and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 8 in W., S 9 in E., and  
 1914 in S. half; from which,  
 A mesquite, 24 ins. in diam., brs. N.  $4\frac{1}{2}^{\circ}$  E., 229 lks. dist., marked  $\frac{1}{4}$  S 9 B T.  
 An ironwood, 12 ins. in diam., brs. N.  $79\frac{3}{4}^{\circ}$  W., 248 lks. dist., marked  $\frac{1}{4}$  S 8 B T.
- 52.80 Dry sand wash, 15 lks. wide, 3 ft. deep, course SW.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked on brass cap,  
 T 4 N R 4 E in N., and  
 1914 in S. half;  
 S 5 in NW.,  
 S 4 in NE.,  
 S 9 in SE.; and  
 S 8 in SW. quadrant;  
 no trees within limits; 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, west of corner.
- Land, rolling, stony and gravelly valley land, slopes gently to the southwest.  
 Soil, poor dry gravelly and stony clay loam about 12 ins. deep on dry stony clay subsoil.  
 Timber, scattering palo verde, mesquite and ironwood.
- 
- 40.00 N.  $89^{\circ}58'$  E., on a random line, bet. secs. 4 and 9.  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.94 Intersect N. and S. line at cor. of secs. 3, 4, 9 and 10. Thence I run,  
 S.  $89^{\circ}58'$  W. on a true line, bet. secs. 4 and 9. Over rolling, gravelly valley land slopes to the SW., through scattering palo verde, mesquite, and ironwood timber and greasewood brush undergrowth 4 ft. high.
- 39.97 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 4 in N., and  
 S 9, 1914 in S. half; from which,  
 A palo verde, 12 ins. in diam., brs. N.  $53\frac{1}{2}^{\circ}$  W., 178 lks. dist., marked  $\frac{1}{4}$  S 4 B T.  
 An ironwood, 30 ins. in diam., brs. S.  $61\frac{3}{4}^{\circ}$  E., 84 lks. dist., marked  $\frac{1}{4}$  S 9 B T.
- 58.89 Wood road brs. N.  $10^{\circ}$  E. and S.  $10^{\circ}$  E.
- 69.64 Dry sand wash, 25 lks. wide, 2 ft. deep, course S.  $30^{\circ}$  W.
- 79.94 The cor. of secs. 4, 5, 8 and 9.  
 Land, rolling valley, drains to the SW.  
 Soil, poor dry gravel clay loam about 12 ins. deep on dry stony clay subsoil; very little grass.  
 Timber, scattering palo verde, mesquite and ironwood.
- 
- N.  $0^{\circ}02'$  W., on a true line, bet. secs. 4 and 5.  
 Over rolling, gravelly and stony land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber, and greasewood brush and cactus undergrowth, 3 to 5 ft. high.
- 8.20 Dry sand wash, 20 lks. wide,  $2\frac{1}{2}$  ft. deep, course SW.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 5 in W. and S 4 in E.; and  
 1914 in S. half; from which,  
 An ironwood, 14 ins. in diam., brs. S.  $63\frac{3}{4}^{\circ}$  E., 66 lks. dist., marked  $\frac{1}{4}$  S 4 B T.

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Chains.

71.15  
73.60

An ironwood, 12 ins. in diam., brs. S. 76°W., 194 lks. dist., marked  $\frac{1}{4}$  S 5 B T.

Note: At this corner I set off 13°54'N. on the decl. arc; and at apparent noon, observe the sun on the meridian the resulting lat. being 33°43'N.

Dry sand wash, 20 lks. wide, 3 ft. deep, course SW.

Intersect the First Standard Parallel North, 319 lks. N. 89° 51' E. of the standard corner of secs. 32 and 33; T. 5 N., R. 4 E., which I reestablished April 20, 1914, as described in Book "B," At point of intersection, Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 4 and 5, marked on brass cap,

C C S of center,  
T 4 N R 4 E S 32, S 33 in N., and  
1914 in S. half;  
S 4 in SE., and  
S 5 in SW. quadrant; from which,

An ironwood; 16 ins. in diam., brs. S. 14 $\frac{1}{2}$ ° E., 127 lks. dist., marked T 4 N R 4 E S 4 B T.

An ironwood, 18 ins. in diam., brs. S. 17 $\frac{3}{4}$ ° W., 345 lks. dist., marked T 4 N R 4 E S 5 B T.

Land, rolling valley, slopes to the SW.  
Soil, poor, dry stony and gravelly clay loam, about 12 ins. deep on dry stony clay subsoil.  
Light growth bunch grass.  
Timber, palo verde, mesquite and ironwood.  
May 4, 1914.

40.00

April 23, 1914: At 8h. 43 $\frac{1}{2}$ m. a.m., l.m.t., I set off 33° 39'N. on the lat. arc; 12°24 $\frac{1}{2}$ 'N. on the decl. arc; and determine with the solar at the cor. of secs. 28, 29, 32 and 33.

Thence I run,  
West on Sectional Correction Line, bet. secs. 29 and 32. Over level, sandy valley land, drains to the SW., through scattering palo verde and mesquite timber and greasewood brush undergrowth, 3 ft. high.

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 29 in N., and  
S 32. 1914 in S. half;

no tree within limits; dig pits 18x18x12 ins., E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

49.50  
70.50

Dry sand wash, 15 lks. wide, 3 $\frac{1}{2}$  ft. deep, course S. 35°W.  
Old Verde Canal, 35 lks. wide, 3 ft. deep, course N. 61°W.  
Leaves timber, brs. NW. and SE.

80.00

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked on brass cap,  
T 4 N R 4 E in N., and  
1914 in S. half;  
S 30 in NW.  
S 29 in NE.  
S 32 in SE.; and  
S 31 in SW. quadrant;

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, west of corner.

Land, level valley, drains to the SW.  
Soil, rich dry sandy loam, 36 ins. deep on dry clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite, and ironwood.  
April 23, 1914.  
(To be continued).

## 30 Subdivision of Township 4 North, Range 4 East

Chains.

- April 30, 1914: At 8h. 42<sup>1</sup>/<sub>2</sub> m. a.m., l.m.t., I set off 33° 39' N. on the 1st arc; 14° 40' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.
- Thence I run,  
S. 0° 04' E. on a random line, bet. secs. 31 and 32.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor. in valley land, through scattering mes-  
80.65 Intersect the south bdy. of the Tp., 3 lks. east of the  
cor. of secs. 31 and 32, which I reestablished March  
10, 1914, as described in Book "C."
- Thence I run,  
N. 0° 03' W., on a true line, bet. secs. 31 and 32.  
Over level, sandy valley land, through scattering mes-  
quite timber, and greasewood brush undergrowth, 3 ft.  
high.
- 8.00 Leave timber, brs. E. and W.  
40.65 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the  
ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 31 in W.,  
S 32 in E., and  
1914 in S. half;  
dig pits 18x18x12 ins., N. and S. of post 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
west of cor.
- 67.80 Old road, from Phoenix, Arizona, to the Verde Valley, brs.  
N. 70° W. and S. 70° E.
- 80.65 The cor. of secs. 29, 30, 31 and 32.  
Land, level, drains to the NW.  
Soil, medium rich sandy dry clay loam, about 12 ins. deep  
on gravelly clay subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite.
- April 30, 1914.
- 
- April 23, 1914: (continued). At 10h. 00m. a.m., I run,  
West, on a random line, on Sectional Correction Line, bet.  
secs. 30 and 31.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
86.97 Intersect the west bdy. of the Tp., 10 lks. south of the  
original cor. of secs. 25, 30, 31 and 36, which is a  
granite stone 6x6x6 ins. above ground, firmly set,  
marked and witnessed as described by the Surveyor  
General.
- Note: The Sectional Correction Line intersects its ob-  
jective limiting line, the west boundary of the town-  
ship, in such proximity to its objective corner that  
the corner accessories of the two corners would in-  
terfere; therefore, I change its alinement between  
the last established section corner, and the limiting  
line to intersect the corner found, in accordance with  
section 273 of the Manual as follows:
- I return to the corner of secs. 29, 30, 31 and 32.
- Thence I run,  
N. 89° 56' W. on a true line on Sectional Correction Line,  
bet. secs. 30 and 31.
- 31.65 Over nearly level sandy valley land, through scattering  
greasewood brush undergrowth, 2 ft. high.  
Old road from Phoenix, Arizona to the Verde Valley, brs.  
N. 70° W. and S. 70° E.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 30 in N., and  
S 31, 1914 in S. half;  
dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
north of corner.
- 83.75 Dry sand wash, 30 lks. wide, 2 ft. deep, course SW.  
84.50 Road, brs. N. and S.  
86.97 Intersect the corner of secs. 25, 30, 31 and 36 on west



Chains.

bdy. of Tp.

Land, nearly level valley, drains to the southwest.  
Soil, dry, sandy and gravelly clay loam, about 12 ins.  
deep on dry clay subsoil.  
Very little bunch grass.  
No timber.

April 23, 1914, (conclusion)

April 30, 1914.

N.  $0^{\circ} 03'$  W., bet. secs. 29 and 30.

Over nearly level valley land, through scattering grease-wood brush undergrowth 3 ft. high.

4.80 Old Verde Canal, 35 lks. wide, 3 ft. deep, course N.  $60\frac{1}{2}^{\circ}$  W.  
Enter scattering mesquite timber, brs. NW. and SE.

28.20 Old wood road brs. E. and W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S  $30$  in W.,  
S  $29$  in E., and  
1914 in S. half;

dig pits  $18 \times 18 \times 12$  ins., N. and S. of post, 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
west of cor.

No trees available.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground, for cor. of secs. 19, 20, 29 and 30, marked  
on brass cap,

T  $4$  N, R  $4$  E in N., and  
1914 in S. half;  
S  $19$  in NW.,  
S  $20$  in NE.,  
S  $29$  in SE., and  
S  $30$  in SW. quadrant;

no trees suitable for bearing trees within limits;  
dig pits  $18 \times 18 \times 12$  ins., in each sec.  $5\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, west of  
corner.

Land, rolling valley, slopes to the SW.

Soil, medium rich fine dry sandy clay loam, about 18  
ins. deep on dry, clay subsoil.

Light growth bunch grass.

Timber, scattering mesquite.

Note: At this corner, I set off  $14^{\circ} 42'$  N. on the decl.  
arc; and at apparent noon, observe the sun on the  
meridian, and obtain a reading of  $33^{\circ} 40'$  N. on the  
lat. arc;

East, on a random line, bet. secs. 20 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.79.98 Intersect N. and S. line, at the cor. of secs. 20, 21, 28 and  
29.

Thence I run,

West, on a true line, bet. secs. 20 and 29.

Over nearly level, sandy valley land, slopes to the SW.,  
through scattering mesquite timber, and greasewood  
brush undergrowth, 3 ft. high.

29.38 Dry sand wash, 10 lks. wide, 3 ft. deep, course SW.

39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S  $20$  in N., and  
S  $29$ , 1914 in S. half;

no trees within limits; dig pits  $18 \times 18 \times 12$  ins., E.  
and W. of post 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

79.98 The cor. of secs. 19, 20, 29 and 30.

Land, rolling, sandy valley, slopes to the SW.

32. Subdivision of Township 4 North, Range 4 East.

Chains.

Soil, medium rich dry sandy and gravelly clay loam, about 18 ins. deep on dry clay subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite.

40.00 N.89°56'W., on a random line, bet. secs.19 and 30.  
Set temp. sec.cor.  
87.40 Intersect the west bdy. of the Tp. 8 1/2 lks.south of the original cor. of secs.19, 24, 25 and 30, hereinbefore described.  
Thence I run,  
S.89°53'E., on a true line, bet. secs.19 and 30.  
Over rolling, sandy valley land, slopes to the SW., through greasewood brush undergrowth 4 ft.high.  
11.40 Dry sand wash, 15 lks.wide, 2 ft. deep, course SW.  
38.00 Wood road, brs. NE. and SW.  
46.55 Wood road, brs.NE. and SW.  
47.40 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1/4 sec.cor., marked on brass cap, 1/4 S 19 in N., and 1/4 S 30, 1914 in S.half;  
dig pits 18x18x12 ins., E.and W.of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, north of cor.  
56.30 Road from Phoenix, Arizona to Camp Creek, brs.NE. and SW.  
87.40 The cor.of secs.19,20,29 and 30.  
Land, rolling, valley slopes to the SW.  
Soil, medium rich, dry, sandy loam, about 18 ins. deep on dry clay subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite along sand washes.

N.0°03'W., bet. secs.19 and 20.  
Over nearly level, sandy valley land, through scattering palo verde, mesquite and ironwood timber and greasewood brush.  
18.00 Dry sand wash, 10 lks.wide, 1 1/2 ft. deep, course S.20°E.  
34.17 Road from Phoenix, Arizona to Camp Creek, brs. NE. and SW.  
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1/4 sec.cor., marked on brass cap, 1/4 S.19 in W., 1/4 S 20 in E., and 1914 in S.half; from which,  
An ironwood, 10 ins. in diam., brs.S.60 3/4°E., 114 lks.dist., marked 1/4 S 20 B T.  
An ironwood 14 ins. in diam., brs.N.30 1/4°W., 184 lks.dist., marked 1/4 S 19 B T.  
67.90 Dry sand wash 20 lks.wide, 2 ft. deep, course SW.  
80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins.in the ground for cor.of secs.17,18,19 and 20, marked on brass cap,  
T 4 N,R 4 E in N.,and  
1914 in S.half;  
S 18 in NW.  
S.17 in NE.  
S.20 in SE.; and  
S 19 in SW.quadrant; from which,  
An ironwood 10 ins. in diam., brs.N.65 1/2°E., 420 lks.dist., marked T 4 N R 4 E S 17 BT.  
A palo verde, 8 ins. in diam., brs.S.62 1/4°E., 169 lks.dist., marked T 4 N R 4 E S 20BT.  
An ironwood, 32 ins. in diam., brs.S.20°W., 392 lks.dist., marked T 4 N R 4 E S 19 BT.  
An ironwood, 10 ins.in diam., brs.N.84 1/4°W., 112 lks.dist., marked T 4 N R 4 E,S 18 BT.

Subdivision of Township 4 North, Range 4 East. 33.

Chains.

Land, rolling valley, slopes to the SW.  
Soil, medium rich coarse dry sandy and gravelly clay loam, about 18 ins. deep on dry clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.  
April 30, 1914.

40.00  
79.98

May 2, 1914: At 8h.12m., a.m., l.m.t.m., I set off 33°41' N. on the lat.arc; 15°16' N. on the decl.arc; and determine a meridian with the solar at the cor.of secs. 17, 18, 19 and 20,  
Thence I run,  
East, on a random line, bet. secs.17 and 20.  
Set temp. 1/4 sec.cor.  
Intersect N and S. line, 5 lks.north of the cor.of secs. 16,17,20 and 21.

9.00  
36.53  
39.99

Thence I run,  
N 89°58'W., on a true line, bet. secs.17 and 20.  
Over rolling sandy valley land, slopes to the southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 4 to 6 ft. high.  
Dry sand wash, 15lks. wide, course SW.  
Road from Phoenix, Arizona to Camp Creek, brs.NE and SW.  
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 17 in N., and 1/4 S 20, 1914 in S.half; from which,  
A palo verde, 14 ins. in diam., brs.N.58 1/2°W., 195 lks.dist., marked 1/4 S 17 B T.  
An ironwood, 16 ins. in diam., brs. S.84°E., 248 lks.dist., marked 1/4 S 20 BT.

71.03  
79.98

Dry sand wash, 15 lks.wide, 2 ft. deep, course SW.  
The cor.of secs.17,18,19 and 20.  
Land, rolling valley, slopes gently to the SW.  
Soil, light, dry, sandy clay loam, about 18 ins. deep on dry, clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.

40.00  
87.81

N.89°53'W., on a random line, bet. secs.18 and 19.  
Set temp. 1/4 sec.cor.  
Intersect the west bdy. of the Tp., 28 lks.north of the original cor. of secs.13,18,19 and 24,hereinbefore described.

47.81

Thence I run,  
N.89°56'E., on a true line, bet. secs.18 and 19.  
Over rolling, sandy valley land, slopes to the SW., through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 5 ft. high.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 18 in N., and 1/4 S 19,1914 in S.half;  
no trees within limits; dig pits 18x18x12 ins., E. and W.of post 3 ft. dist.,and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, north of cor.

72.11  
87.81

No trees suitable for bearing treew available.  
Old wood road, brs.NE and SW.  
The cor.of secs.17,18,19 and 20.  
Land, rolling valley slopes to the southwest.  
Soil,rich dry, sandy and gravelly clay loam, about 18 ins. deep on dry clay subsoil.  
Light growth bunch grass.

## 34. Subdivision of Township 4 North, Range 4 East.

Chains

Timber, scattering palo verde, mesquite and ironwood.

---

- 40.00 N.0°03'W., bet. secs.17 and 18.  
Over nearly level, sandy valley land, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth 4 to 6 ft.high.  
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
     $\frac{1}{4}$  S 18 in W.,  
    S 17 in E., and  
    1914 in S half;  
no trees within limits; dig pits 18x18x12 ins., N.and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high, west of cor.
- 40.70 Old wood road, brs.NE., and S.10°W.  
53.40 Wood road, brs.NE. and SW.  
56.00 The same road, brs. NW. and SE.  
58.35 The same road brs. NE. and SW.  
80.00 The point for the cor.of secs. 7,8,17 and 18, falls in the bed of dry sand wash, 15 lks.wide, 2 ft. deep, course SW., where natural causes would insure the destruction of the cor.; therefore at
- 79.75 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for witness cor.to the cor.of secs.7,8,17 and 18, marked on brass cap,  
    W C N of center,  
    T 4 N, R 4 E S 7, S 8 in N., and  
    1914 in S half;  
    S 17 in SE., and  
    S 18 in SW quadrant;  
no trees within limits; dig pits 18x18x12 ins., NE., SE., SW. and NW. of post  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, west of cor.  
Land, rolling valley, slopes to the southwest.  
Soil, rich fine dry sandy clay loam, about 18 ins.deep on dry, clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.  
Note: At this corner, I set off 15° 18' N. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33° 41 $\frac{1}{2}$ ' N. on the lat.arc.
- 
- 40.00 From the true point for corner of secs. 7,8,17 and 18,  
I run,  
S.89° 58' E., on a random line, bet. secs. 8 and 17.  
Set temp. $\frac{1}{4}$  sec.cor.  
79.96 Intersect N.and S. line, 4 lks.south of the cor.of secs. 8,9, 16 and 17.  
Thence I run,  
West, on a true line, bet. secs. 8 and 17.  
Over rolling, sandy and gravelly valley land, through scattering palo verde, mesquite and ironwood timber, and greasewood brush undergrowth, 4 to 6 ft.high.  
39.98 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
     $\frac{1}{4}$  S 8 in N., and  
    S 17, 1914 in S.half;  
no trees within limits; dig pits 18x18x12 ins., E. and W.of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.
- 63.15 Wood road, brs.NE. and SW.  
79.96 The point for cor.of secs.7,8,17 and 18,

Subdivision of Township 4 North Range 4 East. 35.

Chains.

Land, rolling sandy valley, slopes to the southwest.  
Soil, medium rich fine dry sandy loam, about 18 ins. deep,  
on dry clay subsoil.  
Timber, scattering mesquite, ironwood and palo verde.

40.00 From point for cor. of secs. 7, 8, 17 and 18, I run,  
88.26 S. 89° 56' W., on a random line, bet. secs. 7 and 18.  
Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect the west bdy. of the Tp., 15 lks. north of the  
reestablished corner of secs. 7, 12, 13 and 18, herein-  
before described.

Thence I run,  
N. 89° 50' E., on a true line, bet. secs. 7 and 18.  
Over rolling sandy valley land, slopes to the southwest,  
through scattering palo verde, mesquite and ironwood  
timber and greasewood brush undergrowth, 4 to 6 ft.  
high.

16.94 Wood road, brs. NE. and SW.  
22.16 Dry sand wash, 20 lks. wide, 2  $\frac{1}{2}$  ft. deep, course SW.  
34.76 Dry sand wash, 15 lks. wide, 2 ft. deep, course SW.  
48.26 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 7 in N., and  
S 18, 1914 in S. half;  
no trees suitable for bearing trees within limits;  
dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.  
and raise a mound of earth 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft. high,  
north of cor.

88.26 The true point for cor. of secs. 7, 8, 17 and 18.  
Land, rolling valley, drains to the southwest.  
Soil, rich, dry sandy and gravelly clay loam, about 16  
ins. deep on dry sandy and gravelly clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, mesquite and ironwood.  
May 2, 1914.

May 4, 1914: At 2h. 27m. p.m., l.m.t., I set off 33°  
41  $\frac{1}{2}$ ' N. on the lat. arc; 15° 55  $\frac{1}{2}$ ' N. on the decl. arc, and  
determine a meridian with the solar at the true point  
for cor. of secs. 7, 8, 17 and 18. Thence I run,

Thence I run,  
N. 0° 03' W. bet. secs. 7 and 8.  
Over rolling, sandy and gravelly valley land, slopes to  
the SW., through scattering palo verde, mesquite and  
ironwood timber and greasewood brush undergrowth, 4  
to 6 ft. high.

29.90 Dry sand wash, 25 lks. wide, 3 ft. deep, course SW.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 7 in W.,  
S 8 in E., and  
1914 in S. half;

no trees within limits; dig pits 18x18x12 ins., N.  
and S. of post, 3 ft. dist., and raise a mound of earth  
3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft. high, west of cor.

55.20 Dry sand wash, 20 lks. wide, 3  $\frac{1}{4}$  ft. deep, course S. 60° W.

69.10 Wood road, brs. NE. and SW.

74.50 Wood road, brs. NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 5, 6, 7 and 8, marked  
on brass cap,

T 4 N, R 4 E in N., and  
1914 in S. half;  
S 6 in NW.,

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Chains.

S 5 in NE.,  
S 8 in SE., and  
S 7 in SW. quadrant;

no trees suitable for bearing trees within limits; dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of corner.

Land, rolling valley, slopes to the SW.

Soil, poor stony and gravelly clay loam about 12 ins. deep on dry clay subsoil.

Light growth bunch grass.

Timber, scattering mesquite, palo verde and ironwood.

May 4, 1914.

May 5, 1914: At 8h. 37m. a.m., l.m.t., I set off 33°42 1/2' N., on the lat. arc; 16°09' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 7 and 8.

Thence I run,

East, on a random line, bet. secs. 5 and 8.

40.00

Set temp. 1/4 sec. cor.

79.94

Intersect N and S. line, at the cor. of secs. 4, 5, 8 and 9.

Thence I run,

West, on a true line, bet. secs. 5 and 8.

Over rolling sandy and gravelly valley land, slopes to the southwest, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth 4 ft. high.

8.90

Dry sand wash, 25 lks. wide, 3 ft. deep, course SW.

19.68

Wood road, brs. NE. and SW.

39.97

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 5 in N., and

S 8, 1914 in S. half; from which,

An ironwood, 10 ins. in diam., brs. N. 62 1/2° W., 284 lks. dist., marked 1/4 S 5 B T.

An ironwood, 10 ins. in diam., brs. S. 53 1/2° W.,

74 lks. dist., marked 1/4 S 8 B T.

72.48

Wood road, brs. NE and SW.

79.94

The cor. of secs. 5, 6, 7 and 8.

Land; rolling valley, slopes to the southwest.

Soil, poor stony and gravelly clay loam about 8 ins. deep on dry stony clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde, mesquite, and ironwood.

S. 89°50' W., on a random line, bet. secs. 6 and 7.

40.00

Set temp. 1/4 sec. cor.

88.72

Intersect the west bdy. of the Tp. 9 1/2 lks. north of the orig. corner of secs. 1, 6, 7 and 12, hereinbefore described.

Thence I run,

N. 89°46' E., on a true line, bet. secs. 6 and 7.

Over rolling, stony and gravelly valley land, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth, 5 ft. high.

13.32

Wood road, brs. NE. and SW. in dry bed of sand wash, 20 lks. wide, 2 ft. deep, course SW.

39.42

Dry sand wash, 15 lk. wide, 1 1/2 ft. deep course SW.

48.72

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap,

1/4 S 6 in N., and

S 7, 1914 in S. half;

no trees within limits; dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of

## Chains.

55.02 earth  $3\frac{1}{2}$  ft. base.  $1\frac{1}{2}$  ft. high, north of cor.  
 88.72 Dry sand wash, 25 lks. wide,  $2\frac{1}{2}$  ft. deep, course south.  
 The cor. of secs. 5, 6, 7 and 8.  
 Land, rolling valley slopes to the southwest.  
 Soil, poor stony dry clay loam, about 10 ins. deep on  
 stony clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, mesquite and ironwood.

N.  $0^{\circ}03'W.$ , on a true line, bet. secs. 5 and 6.  
 Over rolling gravelly and stony valley land, slopes to  
 the southwest, through scattering palo verde, mesquite  
 and ironwood timber and greasewood and cactus under-  
 growth 4 ft. high.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 6 in W.,  
 S 5 in E., and

1914 in S. half; from which,  
 An ironwood, 26 ins. in diam., brs. N.  $8\frac{1}{2}^{\circ}E.$ ,  
 262 lks. dist., marked  $\frac{1}{4}$  S 5 B T.  
 An ironwood, 18 ins. in diam., brs. N.  $22\frac{1}{2}^{\circ}W.$ ,  
 168 lks. dist., marked  $\frac{1}{4}$  S 6 B T.

Note: At this cor. at apparent noon, I set off  $16^{\circ}11'N.$   
 on the decl. arc, and observe the sun on the meridian,  
 the resulting latitude being  $33^{\circ}43'N.$

42.80 Dry sand wash, 15 lks. wide, 3 ft. deep, course SW.  
 49.35 Wood road, brs. NE. and SW.

73.40 Intersect the First Standard Parallel North, 342 lks.  
 N.  $89^{\circ}51'E.$ , of the standard cor. of secs. 31 and 32,  
 T 5 N R 4 E, which I reestablished April 20, 1914, as  
 described in Book "B." At point of intersection,  
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for closing cor. of secs. 5 and 6, marked  
 on brass cap,

C C S of center,  
 T 4 N, R 4 E, S 31, S 32 in N., and  
 1914 in S. half;  
 S 5 in SE., and  
 S 6 in SW. quadrant; from which,

An ironwood, 22 ins. in diam., brs. S.  $11\frac{3}{4}^{\circ}E.$ ,  
 128 lks. dist., marked T 4 N R 4 E S 5 B T.  
 A palo verde, 10 ins. in diam., brs. S.  $23\frac{1}{2}^{\circ}W.$ ,  
 176 lks. dist., marked T 4 N R 4 E S 6 B T.

Land, rolling, gravelly and stony valley land, slopes  
 to the southwest.

Soil, poor dry stony and gravelly clay loam about 10  
 ins. deep on dry stony clay subsoil.

Very little grass.

Timber, scattering palo verde, mesquite and ironwood.

May 5, 1914.

#### GENERAL DESCRIPTION.

This township contains only two varieties of land, level  
 and rolling, and the soil ranges from a rich dry sandy  
 loam to decomposed granite. The township is high-  
 est in the northeast part, sloping gently in a  
 southwesterly direction. The soil of the north  
 and northeastern parts is mostly a gravelly clay  
 loam, with considerable decomposed granite near  
 the northeast corner, while that of the remaining  
 portion of the township is a rich dry sandy clay  
 loam, underlaid with a clay subsoil, and with the  
 aid of irrigation, could be made to produce abun-  
 dent crops of all kinds.

## 38. Subdivision of Township 4 North, Range 4 East.

Scattering palo verde, mesquite and ironwood timber is found over nearly the entire township, the most of which is of a scrubby character suitable only for wood.

The only water in the township is in pools formed by dams constructed in the old Verde Canal in the southern part of the township, and in a well constructed in sec.30.

Water for irrigation purposes can be developed from wells at a depth of about 250 ft. in the southern part of the township, while in the eastern and northeastern parts wells of great depth would be necessary. There is one settler in sec.30.

*Sidney E. Blout*  
U. S. Surveyor.



66  
39  
BOOK 2829

FOR FINAL OATH OF UNITED STATES SURVEYOR.  
*See book "C"*

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed 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 U. S. 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.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix Arizona, October 21, 1915*

The foregoing field notes of the ~~survey of~~ *Retracement and Resurvey of the West boundary and Survey of the Subdivision lines of Township 4 North, Range 4 East, of the Gila and Salt River Base and Meridian, in the State of Arizona.*

executed by *Sidney E. Blout, U.S. Surveyor* under his special instructions dated *October 24, 1913 for Group 31*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~retracements, resurveys and surveys they describe~~, are hereby approved.

*Frank Ingalls*  
Surveyor General.  
OF ARIZONA.

~~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.~~