

2827

4-679

Book "C"

BOOK 2827

# FIELD NOTES

OF THE ~~SURVEY OF THE~~

RESURVEY OF THE

*North, East, South and West boundaries*

*and the*

*Subdivision lines of*

*Township 3 North - Range 4 East*

of the *Gila and 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*, 1913, pursuant to authority contained in the Act of

Congress dated *June 23*, 1913.

Re Survey commenced *March 3*, 1914

Re Survey completed *March 30*, 1914

BOOK 2827

Book "C"

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Notes in Book "A"

" " " " "E"

Accepted Surveys.

*5* Notes of Resurveys indexed in Black figures

*9* Notes of Retracements indexed in Red figures.

Resurvey of North half of West bdy. of T. 3 N., R. 4 E.

13

Chains.

Resurvey commenced March 3, 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 original 1/4 sec. cor. between secs. 12 and 13, T. 3 N., R. 3 E.; latitude, 33° 36' 28" N.; longitude, 112° 01' W. at 4h. 12m. 14secs. p. m. l. m. t., March 3, 1914, I set off 33° 36 1/2' N. on the lat. arc; 6° 49' S. on the decl. arc, and determine a meridian with the solar, and mark a point thereof by a small nail driven in a stake set firmly in the ground about 6 chs. north of my instrument.

At 8h. 40m. p. m., l. m. t., by my watch, which is correct local mean time, I observe Polaris at western elongation, and mark the direction thus determined by a tally pin driven in a stake set in the ground about 6.00 chs. north of the instrument.

March 3, 1914.

March 4, 1914: At 7h. a. m., l. m. t., I lay off the azimuth of Polaris 1° 23' to the east, and mark the meridian thus determined by a nail driven in the stake set last evening about 6.00 chs. north of my instrument, on which the meridian falls 01' east of the point determined by the solar.

At 7h. 22m. a. m., l. m. t., I set off 33° 36 1/2' N. on the lat. arc; 6° 33 1/2' S. 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 6.00 chs. north of my instrument. This point falls 00 1/2' east of the meridian established by the Polaris observation.

The solar apparatus by p. m. and a. m. observations, defines positions for meridians respectively about 01' west and 00 1/2' east of the meridian determined by the Polaris observation; therefore, I conclude that the instrument is in satisfactory adjustment,

A 5-chain steel tape and clinometer are the instruments employed in the determination of all measurements in this survey.

I begin at the original cor. of Ts. 3 and 4 N., Rs. 3 and 4 E., which is a granite stone 14x9x6 ins. above ground, firmly set, marked with 6 notches on N., E., S. and W. edges, with remains of earth mound and 4 pits, nearly filled, almost in their proper places; latitude, 33° 38' 12" N.; longitude, 112° 00' 30" W.

I reconstruct this cor. as follows: Dig pits 24x24x12 ins. on line N., E. and W. 4 ft., and south of stone 8 ft. dist., and raise a mound of earth 5 ft. base, 2 1/2 ft. high, south of cor. The new pits obliterate the old ones.

At 8h. 27m. a. m., l. m. t., at this cor., I set off 33° 38' N. on the lat. arc; 6° 34' S. on the decl. arc, and determine a meridian with the solar. The original 1/4 sec. cor. being plainly visible, I run, S. 0° 29' E. on a true line, bet. secs. 1 and 6.

40.00

Over nearly level valley land, along west side of road. Intersect the original 1/4 sec. cor., which is a mesquite stake 3 ins. in diam., greatly decayed, marks almost obliterated, with indistinct remains of pits almost in their proper places. I destroy all traces of the old cor., and reestablish it in the same place as follows:

## 2. Resurvey of the North half of the West bdy. of T. 3 N. R. 4 E.

Chains.

- 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;  
 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. The new pits obliterate the old ones.  
 From this corner, the original corner of secs. 1, 6, 7 and 12 is plainly visible; therefore, I run for said cor.  
 S.  $0^{\circ} 29'$  E. on a true line on south half, bet. secs. 1 and 6, continuing measurement.
- 45.00 A house on Eva McCormack's claim, bears east, 4.00 chs. dist.
- 78.75 Intersect the original cor. of secs. 1, 6, 7 and 12, which is a mesquite post 3 ins. square, 12 ins. above ground, greatly decayed, marks almost obliterated, with remains of 4 pits nearly in their proper places. I destroy all traces of the old cor., and reestablish 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. 1, 6, 7 and 12, marked on brass cap,  
 T 3 N in N., and  
 1914 in S. half;  
 R 3 E S 1 in NW.  
 R 4 E S 6 in NE.;  
 S 7 in SE., and  
 S 12 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, W. of cor.  
 Land, rolling valley land, slopes to the east.  
 Soil, rich dry fine sandy loam, about 36 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 No timber.
- 
- The original  $\frac{1}{4}$  sec. cor., bet. secs. 7 and 12 being plainly visible from the cor. of secs. 1, 6, 7 and 12, I run for said  $\frac{1}{4}$  sec. cor.,  
 S.  $0^{\circ} 26'$  E. on a true line, bet. secs. 7 and 12.  
 Over nearly level sandy valley land, through scattering greasewood brush along west side of road.
- 31.00 Road to Phoenix, NE. and SW.
- 40.00 Intersect the original  $\frac{1}{4}$  sec. cor., which is a mesquite post 3 ins. in diam., 12 ins. above ground, loosely set, marks almost obliterated. No trace of pits and mound described as cor. accessories. I destroy all traces of same, 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;  
 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.  
 From this corner, the original corner of secs. 7, 12, 13 and 18 is plainly visible; therefore, I run,  
 S.  $0^{\circ} 24'$  E., on a true line on south half, bet. secs. 7 and 12, continuing measurement.
- 43.00 A house belonging to Jesse W. Jacobus, brs. east 15 chs. dist.
- 50.00 Road to Phoenix, Arizona, brs. N.  $79^{\circ}$  E. and S.  $70^{\circ}$  W.

Resurvey of the north half of West bdy. of T. 3 N., R. 4 E. 3.

Chains.

72.30 Road to Phoenix, Arizona, brs. NE. and SW.  
 80.00 Intersect the original cor. of secs. 7, 12, 13 and 18, which is a mesquite post 4 ins. square, greatly decayed, with marks almost obliterated, with traces of pits and mound almost in their proper positions. I destroy all traces of the old cor., and reestablish 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 3 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 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
 Land, nearly level valley.  
 Soil, rich dry, sandy loam, clayey, about 36 ins. deep on dry clay subsoil.  
 Light growth grass.  
 No timber.

The original 1/4 sec. cor. bet. secs. 13 and 18 being plainly visible from the cor. of secs. 7, 12, 13 and 18, I run for said 1/4 sec. cor.

S. 0° 20' E. on a true line, bet. secs. 13 and 18.  
 Over nearly level sandy valley land, slopes to the east, through greasewood brush undergrowth, 3 ft. high, along west side of road.

1.30 A house on the claim belonging to Wilhelm Engle brs. east, 2.60 chs. dist.

41.13 Intersect the original 1/4 sec. cor., which is a granite stone 3x4x4 ins. above ground, firmly set, marked 1/4 on west face, with trace of pits and mound almost in their proper places. 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 1/2 ft. base, 1 1/2 ft. high, W. of cor. The new pits obliterate the old ones.

From this corner, the original corner of secs. 13, 18, 19 and 24, being plainly visible, I run, S. 0° 23' E., on a true line on south half, bet. secs. 13 and 18, continuing measurement.

81.38 Intersect the original corner of secs. 13, 18, 19 and 24, which is a granite stone 3x9x3 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.

Land, nearly level valley, drains to the southeast.  
 Soil, rich, fine dry sandy loam, about 36 ins. deep on clay subsoil.

Light growth bunch grass.  
 No timber.

Note: At this corner, I set off 6° 31' S. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33° 35 1/2' N. on the lat. arc.

## 4. Retracement of south half of West bdy. of T. 3 N., R. 4 E.

Chains.

- From the original cor. of secs. 13, 18, 19 and 24, I run,  
South on a random line, bet. secs. 19 and 24.
- 39.38 Fall 30 lks. west of the original  $\frac{1}{4}$  sec. cor., which is a porphyry stone 5x7x5 ins., above ground, firmly set, marked and witnessed as described by the Surveyor General.
- True course and dist. of north half, bet. secs. 19 and 24 is therefore S. 0° 26' E., 39.38 chs.
- From  $\frac{1}{4}$  sec. cor., I run south on random line.
- 39.90 Fall 18 lks. west of the original cor. of secs. 19, 24, 25 and 30, which is a porphyry stone 5x7x6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.
- True course and dist. of S. half, bet. secs. 19 and 24 is therefore S. 0° 15' E., 39.90 chs.
- 
- South, on a random line, bet. secs. 25 and 30.
- 39.94 Fall 23 lks. west of the original  $\frac{1}{4}$  sec. cor., which is a porphyry stone 5x7x6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.
- True course and dist. of north half bet. secs. 25 and 30 is therefore S. 0° 20' E., 39.94 chs.
- I begin at the cor. just found, and run,  
South on a random line.
- 39.90 Fall 22 lks. west of the original corner of secs. 25, 30, 31 and 36, which is a granite stone 10x10x4 ins., above ground, marked and witnessed as described by the Surveyor General.
- True course and dist. of south half, bet. secs. 25 and 30 is therefore S. 0° 19' E., 39.90 chs.
- 
- South, on a random line, bet. secs. 31 and 36.
- 39.93 Fall 34 lks. west of the original  $\frac{1}{4}$  sec. cor., which is a malpais stone 5x5x14 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.
- True course and dist. of north half bet. secs. 31 and 36 is therefore S. 0° 29' E., 39.93 chs.
- From  $\frac{1}{4}$  sec. cor., I run,  
South on a random line.
- 39.65 Intersect north bdy. of T. 2 N., R. 3 E., 52 lks. E. of the original cor. of Ts. 3 N., Rs. 3 and 4 E., which is a granite stone 6x10x16 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.
- True course and dist. of south half, bet. secs. 31 and 36 is therefore S. 0° 45' W., 39.65 chs.
- Note: From this cor., the NE. cor. of T. 2 N., R. 3 E., which is a granite stone 8x12x14 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General, bears east 215 lks. dist.
- March 4, 1914.
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Retracement of North bdy. of Township 3 North, Range 4 East. 5.

Chains.

Retracement commenced March 5, 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.

At the original cor. of Ts. 3 and 4 N., Rs. 3 and 4 E., hereinbefore described; latitude, 33° 38' 12" N.; longitude, 112° 00' 30" W., at 7h. 45m. a.m., l.m.t., I set off 33° 38' N. on the lat. arc; 6° 11 1/2' S. on the decl. arc, and determine a meridian with the solar. Thence I retrace the north bdy. of T. 3 N., R. 4 E., as follows:

- N. 89° 56' E., on a random line (original course).
- 44.24 Find no trace of original 1/4 sec. cor., bet. secs. 6 and 31.
- 84.24 Find no trace of original cor. of secs. 5, 6, 31 and 32. Continue line and measurement, bet. secs. 5 and 32.
- 124.24 Find no trace of original 1/4 sec. cor. bet. secs. 5 and 32.
- 164.24 Find no trace of original cor. of secs. 4, 5, 32 and 33. Continue line and measurement, bet. secs. 4 and 33.
- 204.24 Find no trace of original 1/4 sec. cor. bet. secs. 4 and 33.
- 244.24 Find no trace of original cor. of secs. 3, 4, 33 and 34. Continue line and measurement bet. secs. 3 and 34.
- 284.24 Find no trace of original 1/4 sec. cor., bet. secs. 3 and 34.
- 324.24 Find no trace of original cor. of secs. 2, 3, 34 and 35. Continue line and measurement, bet. secs. 2 and 35.
- 366.56 Fall 287 lks. N. of the remains of original 1/4 sec. cor., bet. secs. 2 and 35, a palo verde post, badly decayed in center of mound of earth, midway between indistinct remains of two pits. Marks on post are obliterated. The true course of line for above retraced distance is therefore N. 89° 37' W.

From above described original 1/4 sec. cor., I run, N. 89° 56' E., on random line, on east half, bet. secs. 2 and 35.

- 40.02 Fall 5 lks. north of remains of original cor. of secs. 1, 2, 35 and 36, the decayed end of a palo verde post in center of mound of earth, remains of pits in each sec. The true course and dist. of east half, bet. secs. 2 and 35 is therefore west, 40.02 chs.

From original cor. of secs. 1, 2, 35 and 36 above described, I run,

- N. 89° 56' E., on a random line, bet. secs. 1 and 36.
- 40.14 Fall 56 lks. north of remains of original 1/4 sec. cor., the decayed end of a palo verde post in center of mound of earth midway between two pits.

The true course and distance of west half, bet. secs. 1 and 36 is therefore N. 89° 16' W., 40.14 chs.

From original 1/4 sec. cor. above described, I run, N. 89° 56' E. on a random line, on east half, bet. secs. 1 and 36.

- 39.89 Fall 14 lks. north of remains of original cor. of Ts. 3 and 4 N., Rs. 4 and 5 E., a palo verde post 3 ins. in diam., broken off at the surface of the ground; remains of 4 pits in each township. From the post,

A palo verde tree, 8 ins. in diam., brs. N. 56 3/4° W., 80 lks. dist., marked T IV N R III E S XXXVI B T.

6. Retracement of North bdy. of Township 3 North, Range 4 East.  
Chains.

The true course and dist. of east half, bet. secs. 1 and 36 is therefore N.89° 52' W., 39.89 chs.

March 5, 1914.

From the above retracement, I find the north bdy. of T. 3 N., R. 4 E. to be defective in alinement, position and measurement, and many of the corners completely obliterated; therefore, it will be necessary to re-survey the line before beginning the survey of the subdivision lines in T. 4 N., R. 4 E., or the resurvey of the subdivision lines in T. 3 N., R. 4 E. In accordance with section 257 of the Manual I reestablish the defective section and quarter section cors. found in retracement, in their original positions, and mark them to refer to the same sections as they originally referred to; reestablish obliterated corners by proportional measurement on true line between original corners found, and mark to refer to secs. in T. 3 N., R. 4 E. only, and reestablish obliterated cors. at intervals of 40 chs. on same line, N.89° 37' W. from the  $\frac{1}{2}$  sec. cor. bet. secs. 2 and 35, and mark these cors. to refer to sections in T. 4 N., R. 4 E. only.

All of these operations being further described in the following notes of my resurvey on the north bdy. of T. 3 N., R. 4 E.

Resurvey of North boundary of Township 3 North, Range 4 E.

March 10, 1914: I destroy all trace of the original cor. of Ts. 3 and 4 N., Rs. 4 and 5 E., hereinbefore described, except the marks on the bearing tree, and re-establish it in the original position, as follows:

Set an iron post 3 ft. long, 3 ins. indiam., 24 ins. in the ground, for cor. of Ts. 3 and 4 N., Rs. 4 and 5 E., marked on brass cap,

T 4 N in N.,  
R 5 E in E.,  
T 3 N 1914 in S., and  
R 4 E in W. half;  
S 36 in NW.,  
S 31 in NE.  
S 6 in SE., and  
S 1 in SW. quadrant; from which,

The old bearing tree, a palo verde, 8 ins. in diam., brs. N.56 $\frac{3}{4}$ ° W., 80 lks. dist., marked T IV N R IV E S XXXVIBT.

An ironwood, 22 ins. in diam., brs. S.14 $\frac{1}{2}$ ° W., 298 lks. dist., marked T 3 N R 4 E S 1 BT.

No other trees within limits. Dig pits 24x24x12 ins. on each line, N., E. and W. 4 ft., and south of post 8 ft. dist., and raise a mound of earth 5 ft. base, 2 $\frac{1}{2}$  ft. high, S. of cor.

At this cor., at 8h. 10m., a.m., l.m.t., I set off 33° 38' N. on the lat. arc; 4° 14' S. on the decl. arc, and determine a meridian with the solar.

Thence I run,

N.89° 52' W., on a true line, bet. secs. 1 and 36.

Over level, sandy valley land, drains to the south, through scattering palo verde and mesquite timber and greasewood undergrowth, 4 ft. high.

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

11.90 Dry ravine, 5 lks. wide, 2 ft. deep, course S.20° W.

21.79 Dry sand wash, 10 lks. wide, 1 $\frac{1}{2}$  ft. deep, course SW.

39.89 The original  $\frac{1}{2}$  sec. cor. hereinbefore described. Destroy all traces of old cor., and reestablish in original position as follows:



Resurvey of North boundary of Township 3 North Range 4 East. 7.

Chains

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., to secs. 1 and 36, marked on brass cap,  
 $\frac{1}{4}$  S 36 in N., and  
 S 1 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, N. of cor.  
 Thence I run,  
 N. 89° 16' W., on a true line, on west half, bet. secs. 1 and 36.  
 52.96 Dry ravine, 10 lks. wide, 3 ft. deep, course south.  
 65.71 Old road brs. N. 20° E. and S. 20° W. leads to Frazier Spring in the McDowell Mountains.  
 80.03 The original cor. of secs. 1, 2, 35 and 36, hereinbefore described.  
 Destroy all trace of old cor. and reestablish in its original position, as follows:  
 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked on brass cap,  
 T 4 N in N.,  
 T 3 N 1914 in S., and  
 R 4 E in W. half;  
 S 35 in NW.,  
 S 36 in NE.,  
 S 1 in SE., and  
 S 2 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 valley, drains to the south.  
 Soil, medium rich, dry, sandy and gravelly clay loam, about 24 ins. deep on hard dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, ironwood and mesquite.

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 West, on a true line, bet. secs. 2 and 35.  
 Over level, sandy valley land, through scattering mesquite timber and greasewood brush undergrowth, 5 ft. high.  
 25.12 Old Verde Canal 35 lks. wide, 3 ft. deep, course N. 81 $\frac{1}{2}$ ° W.  
 40.02 Intersect the remains of the original  $\frac{1}{4}$  sec. cor. hereinbefore described. I destroy all traces of the old cor., 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 35 in N., and  
 S 2, 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.  
 Thence I run,  
 N. 89° 37' W. on a true line, on west half of south bdy. of sec. 35.  
 80.02 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 34 and 35,  
 T 4 N., R. 4 E., marked on brass cap,  
 T 4 N in N.,  
 T 3 N S 2, S 3, 1914 in S., and  
 R 4 E in W. half;  
 S 34 in NW., and  
 S 35 in NE. quadrant;  
 no trees within limits; dig pits 24x24x12 ins. NW. and NE. of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

8. Resurvey of the North bdy. of Township 3 North, Range 4 East  
Chains,

Land, level valley, drains to the south; soil medium rich dry sandy loam, with some gravel about 18 ins. deep on dry gravelly clay subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite.

- 
- N.89°37'W., on a true line on south bdy. of sec. 34.  
Over level sandy and gravelly valley land, drains to the south, through scattering greasewood brush undergrowth, 2 to 4 ft. high.
- .25 (Proportional distance) The point for the reestablished cor. of secs. 2 and 3, T.3 N., R.4 E. falls in dry gulch 8 lks. wide, 3 ft. deep, course S.30°E., where natural causes would insure the destruction of the cor.; therefore, I continue my line N.89°37'W., and at
- 1.75 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for witness cor. to the cor. of secs. 2 and 3, marked on brass cap,  
W C S of center,  
T 4 N S 34, S 35 in N.,  
T 3 N, 1914 in S., and  
R 4 E in W. half;  
S 2 in SE., and  
S 3 in SW. quadrant;  
dig pits 24x24x12 ins., SE. and SW. of the post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, south of cor.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished  $\frac{1}{4}$  sec. cor., to sec. 34, T. 4 S., R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 34 in N., and  
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 cor.
- 40.505 (Proportional distance) Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., to sec. 3, T. 3 N., R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 3, 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, south of cor.
- 45.65 Dry sand wash, 6 lks. wide, 3 ft. deep, course south.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 33 and 34, marked on brass cap,  
T 4 N in N.,  
T 3 N, S 3, S 4, 1914 in S., and  
R 4 E in W. half;  
S 33 in NW., and  
S 34 in NE. quadrant;  
dig pits 24x24x12 ins. NW. and NE. of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
- Land, level valley, drains to the south.  
Soil, rich sandy clay loam, with some gravel, 18 to 24 ins. deep on clay subsoil.  
No timber.
- 
- N.89°37'W., on a true line, on south bdy. of sec. 33.  
Over level, sandy valley land, through scattering greasewood brush undergrowth, 3 ft. high.
- .76 (Proportional distance). Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 3 and 4, T. 3 N., R. 4 E., marked on brass cap,

## Resurvey of North bdy. of Township 3 North, Range 4 East. 9.

Chains.

- T 4 N S 33, S 34 in N.,  
 T 3 N, 1914 in S., and  
 R 4 E in W. half;  
 S 3 in SE., and  
 S 4 in SW. quadrant;  
 dig pits 24x24x12 ins., SE. and SW. of post, 6 ft. dist.,  
 and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.
- 20.25 David L. Conrad's house brs. south 5.00 chs. dist.  
 30.25 Road to Phoenix, Arizona, brs. N. 20° E., and S. 20° W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the  
 ground for reestablished  $\frac{1}{4}$  sec. cor. to sec. 33, T. 4 N., R.  
 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 33 in N., and  
 1914 in S. half; from which,  
 An ironwood, 14 ins. in diam., brs. N. 26° E., 253  
 lks. dist., marked  $\frac{1}{4}$  S 33 B T.  
 An ironwood, 16 ins. in diam., brs. N. 88 $\frac{1}{4}$ ° W., 74  
 lks. dist., marked  $\frac{1}{4}$  S 33 B T.
- 41.015 (Proportional dist.) Set an iron post 3 ft. long, 1 in. in  
 diam., 26 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor.  
 to sec. 4, T. 3 N., R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 4 1914 in S. half;  
 no trees suitable for bearing trees south of line; 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, S. of  
 cor.
- 59.58 Dry sand wash, 10 lks. wide, 2 ft. deep, course S. 30° W.  
 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the  
 ground, for reestablished cor. of secs. 32 and 33, T. 4 N.,  
 R. 4 E., marked on brass cap,  
 T 4 N in N.,  
 T 3 N S 4, S 5, 1914 in S., and  
 R 4 E in W. half;  
 S 32 in NW., and  
 S 33 in NE. quadrant;  
 dig pits 24x24x12 ins., NW. and NE. 6 ft. dist., and  
 raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.  
 Land, level, sandy valley, drains to the south.  
 Soil, rich, dry, sandy loam, about 24 ins. deep on dry clay  
 subsoil. Light growth bunch grass.  
 Timber, scattering ironwood and mesquite near the  $\frac{1}{4}$  sec.  
 cor.  
 Note: At this cor., I set off 4° 11' S. on the decl. arc; and  
 at apparent noon, determine a meridian with the solar;  
 the resulting lat. is 33° 38' N.
- 
- N. 89° 37' W., on a true line on south bdy. of sec. 32.  
 Over level, sandy valley land, through scattering grease-  
 wood brush undergrowth, 4 ft. high.
- 1.27 (Proportional distance). Set an iron post 3 ft. long,  
 3 ins. in diam., 24 ins. in the ground for reestab-  
 lished cor. of secs. 4 and 5, T. 3 N., R. 4 E., marked on  
 brass cap, T 4 N S 32, S 33 in N.,  
 T 3 N, 1914 in S., and  
 R 4 E in W. half;  
 S 4 in SE., and  
 S 5 in SW. quadrant;  
 dig pits 24x24x12 ins. SE. and SW. of post 6 ft. dist.,  
 and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.
- 5.07 Road to Phoenix, Arizona, brs. NE. and SW.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the  
 ground for reestablished  $\frac{1}{4}$  sec. cor., to sec. 32, T. 4 N.  
 R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 32 in N., and  
 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 cor.
- 41.525 (Proportional distance). Set an iron post 3 ft. long, 1 in.  
 in diam., 26 ins. in the ground for reestablished  $\frac{1}{4}$   
 sec. cor., to sec. 5, T. 3 N., R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 5, 1914 in S. half;

## 10. Resurvey of the North bdy. of Township 3 North, Range 4 E.

Chains.

- 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, S. of cor.
- 45.15 A house on the claim belonging to Mary A. Price, brs. S. 8.00 chs. dist.
- 46.90 Dry sand wash, 5 lks. wide, 2 ft. deep, course S. 60° W.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 31 and 32, T. 4 N., R. 4 E., marked on brass cap,  
 T 4 N in N.,  
 T 3 N, S 5, S 6, 1914 in S., and  
 R 4 E in W. half;  
 S 31 in NW., and  
 S 32 in NE. quadrant;
- dig pits 24x24x12 ins. NW. and NE. of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor. Land, level valley, drains to the south. Soil, rich dry sandy clay loam, about 24 ins. deep on dry clay subsoil. Light growth bunch grass. No timber.
- 
- N. 89° 37' W., on a true line, on south bdy. of sec. 31. Over level sandy valley land, along north side of road, through scattering mesquite timber and greasewood brush undergrowth, 3 ft. high.
- 1.78 (Proportional distance). Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 5 and 6, T. 3 N., R. 4 E., marked on brass cap,  
 T 4 N S 31, S 32 in N.,  
 T 3 N 1914 in S., and  
 R 4 E in W. half;  
 S 5 in SE., and  
 S 6 in SW. quadrant; from which,  
 An ironwood, 9 ins. in diam., brs. S. 43° W., 47 lks. dist., marked T 3 N R 4 E S 6 BT.
- No other trees available. Dig pits 24x24x12 ins., SE. and SW. of post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, E. of cor.
- From this cor., Harvey Bell's house brs. S. 57° W., 7.50 chs. dist.
- A well belonging to Harvey Bell brs. S. 63 $\frac{1}{2}$ ° W., 9.00 chs. dist.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor., to sec. 31, T 4 N., R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 31 in N., and  
 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.
- 42.035 (Proportional dist.) Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor. to sec. 6, T. 3 N., R. 4 E., marked on brass cap,  
 $\frac{1}{4}$  S 6 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, S. of cor.
- 69.56 Road to Phoenix, Arizona, brs. N. 70° W., and S. 70° E.
- 86.35 Road from Camp Creek, to Phoenix, Arizona, brs. N. and S.
- 86.56 Intersect the cor. of Ts. 3 and 4 N., Rs. 3 and 4 E. hereinbefore described.
- Land, level valley, drains to the southwest. Soil, rich dry, sandy clay loam, 24 to 36 ins. deep on dry hard clay subsoil. Light growth bunch grass. Timber, scattering mesquite and ironwood. W. H. McLaren's house brs. S. 37° E., about 5.00 chs. dist. March 10, 1914.
-

Retracement of South bdy. of Township 3 North, Range 4 East. 11

Chains.

Retracement commenced March 6, 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.

Preliminary to commencing the resurvey of the Subdivision of this township, I retrace and resurvey the south bdy.

I begin at the original closing cor. of Ts. 2 and 3 N., R. 4 E., which is a granite stone 4x12x14 ins. above ground, loosely set, marked and witnessed as described by the Surveyor General; latitude, 33° 33' N.; longitude, 112° 00' 30" W.

From this corner, the NE. cor. of T. 2 N., R. 3 E. hereinbefore described, bears N. 0° 53' W., 62 lks. dist.

A 5-chain steel tape and clinometer are the instruments employed to measure all distances in this survey.

March 6, 1914: At 9h.26m. a.m., l.m.t., I set off 33° 33' N. on the lat. arc; 5° 46' S. on the decl. arc, and determine a meridian with the solar at the above described closing cor.

Thence I run,

40.57 East, on a random line on south bdy. of sec. 31. Fall 92 lks. north of the original 1/4 sec. cor., which is a granite stone 11x10x9 ins. above ground, loosely set, marked and witnessed as described by the Surveyor General.

True course and dist. of west half of south bdy. of sec. 31 is therefore N. 88° 42' W., 40.58 chs.

From above described 1/4 sec. cor., I run, East, on a random line on east half of south bdy. of sec. 31.

39.70 Fall 18 lks. south of the original cor. of secs. 5, 6, 31 and 32, which is a granite stone 6x10x16 ins. above ground, loosely set, marked and witnessed, as described by the Surveyor General.

True course and dist. of east half of south bdy. of sec. 31 is therefore S. 89° 44' W., 39.70 chs.

40.05 East, on a random line on south bdy. of sec. 32. Fall 11 lks. south of the original 1/4 sec. cor., which is a quartz stone 5x6x10 ins. above ground, loosely set, marked and witnessed as described by the Surveyor General.

True course and distance of west half of south bdy. of sec. 32 is therefore S. 89° 51' W., 40.05 chs.

Note: At this cor., I set off 5° 44' S. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting latitude being 33° 32 1/2' N.

39.60 From above described 1/4 sec. cor., I run, East, on a random line on east half of S. bdy. of sec. 32. Fall 6 lks. N. of the original cor. of secs. 4, 5, 32 and 33, which is an igneous rock in place 12x12x14 ins. above ground, marked and witnessed as described by the Surveyor General.

True course and dist. of E. half of S. bdy. of sec. 32, is therefore N. 89° 55' W., 39.60 chs.

41.26 East, on a random line on south bdy. of sec. 33. Fall 17 lks. south of the original 1/4 sec. cor., which is a granite stone 14x12x4 ins. loosely set; old mound

12

~~Retracement of the South bdy. of Township 3 North, Range 4 E.~~  
Chains.

- of stone described as a corner accessory destroyed. True course and distance of W. half of S. bdy. of sec. 33 is therefore  $S.89^{\circ} 46' W.$ , 41.26 chs.  
From the  $\frac{1}{4}$  sec. cor. above described I run,  $S.85^{\circ} 26' E.$  on a random line, on east half of south bdy. of sec. 33.
- 37.94 Fall 08 lks. N. of the original cor. of secs. 3, 4, 33 and 34, which is a granite stone  $6 \times 7 \times 6$  ins. above ground, loosely set, marks almost obliterated, with no corner accessories.  
True course and distance of east half of south bdy. of sec. 33 is therefore  $N.85^{\circ} 19' W.$ , 37.94 chs.
- 
- 40.07 East, on a random line, on south bdy. of sec. 34. Fall 15 lks. north of the original  $\frac{1}{4}$  sec. cor., which is a granite stone  $3 \times 8 \times 5$  ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.  
True course and distance of west half of south bdy. of sec. 34 is therefore  $N.89^{\circ} 47' W.$ , 40.07 chs.  
From above described  $\frac{1}{4}$  sec. cor., I run, East, on a random line on east half of south bdy. of sec. 34.
- 40.05 Fall 26 lks. N. of the original cor. of secs. 2, 3, 34 and 35, which is a granite stone  $4 \times 5 \times 4$  ins., above ground, loosely set, marks almost obliterated, with no trace of pits or mound, described as corner accessories.  
True course and distance of east half of south bdy. of sec. 34 is therefore  $N.89^{\circ} 38' W.$ , 40.05 chs.  
March 6, 1914.
- 
- March 9, 1914: At 7h. 11m., a. m., 1. m. t., I set off  $33^{\circ} 33' N.$  on the lat. arc;  $4^{\circ} 37' S.$  on the decl. arc; and determine a meridian with the solar at the original cor. of secs. 2, 3, 34 and 35, described above. Thence I run,
- 39.95 East, on a random line, on south bdy. of sec. 35. Fall 140 lks. south of the original  $\frac{1}{4}$  sec. cor., which is a granite stone  $8 \times 6 \times 4$  ins. above ground, loosely set, marks almost obliterated. No trace of the pits and mound described as corner accessories.  
True course and distance of west half of south bdy. of sec. 35 is therefore  $S.88^{\circ} W.$ , 39.98 chs.  
From above described  $\frac{1}{4}$  sec. cor., I run,
- 39.99 East, on a random line on east half of S. bdy. of sec. 35. Fall 45 lks. N. of the cor. of secs. 1, 2, 35 and 36, which is a granite stone  $8 \times 5 \times 4$  ins. above ground, loosely set, marks almost obliterated, with no traces of pits or mound described as cor. accessories.  
True course and dist. of E. half of S. bdy. of sec. 35, is therefore  $N.89^{\circ} 21' W.$ , 39.99 chs.
- 
- 40.05 East, on a random line on south bdy. of sec. 36. Fall 48 lks. N. of the original  $\frac{1}{4}$  sec. cor., which is a granite stone  $4 \times 6 \times 4$  ins. above ground poorly set, marks almost obliterated, with no trace of pits or mound described as corner accessories.  
True course and distance of west half of south bdy. of sec. 36 is therefore  $N.89^{\circ} 19' W.$ , 40.05 chs.  
From above described  $\frac{1}{4}$  sec. cor., I run,  
East, on a random line of east half of south bdy. of sec. 36.

~~Retracement of the South bdy of Township 3 North, Range 4 East, 13~~

Chains.

40.04

Fall 51 lks.N. of the original cor. of Ts.2 and 3 N.,R. 4 E., which is a mesquite post 4 ins. square, 14 ins. above ground, firmly set, marked  
 T 3 N, S R I R on NE.face; other marks obliterated.  
 Along side of this post, I find an iron post 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,  
 S R I R in E., and  
 W C 1914 in S.half;  
 R 4 E S 36 in NW., and  
 T 2 N S 1 in SW. quadrant; with pits and mound of earth as described by the Surveyor General.  
 True course and dist. of east half of south bdy.of sec. 36 is therefore N. 89° 16'W., 40.04 chs.  
 March 9, 1914.

Resurvey of the South bdy. of Township 3 North, Range 4 E.

I find from my retracement of this boundary that many of the corners are almost obliterated, and as the townships on the north and south have both been subdivided, I resurvey the township line between them, reestablishing the defective corners in their original places as follows:

March 11, 1914: At 12h.50m. p.m., 1.m.t., I set off 33° 33'N. on the lat.arc; 3°46'S. on the decl.arc; and determine a meridian with the solar at the cor.of Ts. 2 and 3 North, Range 4 East, hereinbefore described.

Thence I run,  
 N.89°16'W., on a true line, bet. secs.1 and 36.  
 Over level, sandy valley land, slopes to the southwest, through greasewood brush undergrowth, 4 ft.high.

11.00

A deserted house brs.south 150 lks.dist.

40.04

Intersect the original 1/4 sec.cor. hereinbefore described.

I destroy all trace of the old cor., 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 1/4 sec.cor., marked on brass cap,  
 1/4 S 36 in N., and  
 S 1, 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, N.of cor.

Thence I run,  
 N.89°19'W., on a true line, on west half, bet. secs.1 and 36, continuing measurement, along north side of road.

69.90

Dry ravine, 5 lks.wide, 2 ft. deep, course south,

79.75

Road to Scottsdale, Arizona, brs.N.and S.

80.09

Intersect the original corner of secs.1,2,35 and 36, hereinbefore described. I destroy all trace of the old cor., and reestablish 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.1,2,35 and 36, marked on brass cap,

T 3 N in N.,  
 T 2 N 1914 in S., and  
 R 4 E in W.half;  
 S 35 in NW., S 36 in NE.,  
 S 1 in SE., and  
 S 2 in SW.quadrant;

dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.

14 19. Resurvey of the South bdy. of Township 3 North. Range 4 E.

Chains.

Land, nearly level sandy valley, slopes to the southwest. Soil, rich, dry, sandy clay loam, with some gravel about 36 ins. deep on dry clay subsoil. Light growth bunch grass. No timber.

39.99

N. 89° 21' W., on a true line, bet. secs. 2 and 35. Over nearly level, sandy valley land in lane. Intersect the original 1/4 sec. cor. hereinbefore described. I destroy all traces of the old cor., 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 1/4 sec. cor., marked on brass cap, 1/4 S 35 in N., and S 2 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.

64.50

Thence I run, S. 88° 00' W., on a true line, on west half, bet. secs. 2 and 35, continuing measurement.

79.40

A school house bears south about 1.00 chain dist.

79.97

Road to Scottsdale and Phoenix, Arizona, brs. N. and S. Intersect the original cor. of secs. 2, 3, 34 and 35, hereinbefore described. I destroy all traces of the original cor., and reestablish 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. 2, 3, 34 and 35, marked on brass cap,

- T 3 N in N.,
- T 2 N, 1914 in S., and
- R 4 E in W. half;
- S 34 in NW.,
- S 35 in NE.,
- S 2 in SE., and
- S 3 in SW. quadrant;

dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, nearly level sandy valley, slopes to the south. Soil, rich fine dry sandy loam which wells dug in the vicinity of the line show to be from 4 to 25 ft. deep on gravel subsoil.

Very light growth bunch grass. No timber.

26.95

N. 89° 38' W., on a true line, bet. secs. 3 and 34. Over rolling, sandy valley land, through greasewood and mesquite brush undergrowth, 4 to 6 ft. high.

40.05

Road to Phoenix, Arizona, brs. N. and S. A house brs. S. 4.90 chs. dist.

50.90

Intersect the original 1/4 sec. cor. hereinbefore described. This corner being in a good state of preservation, I do not reestablish it. Thence I run,

66.15

N. 89° 47' W., on a true line, on west half, bet. secs. 3 and 34, continuing measurement,

69.05

Birk U. F. Chrisman's house brs. N. 150 lks. dist.

80.12

A ranch road brs. NE. and SW.

A ranch road brs. NE. and SW. Intersect the original cor. of secs. 3, 4, 33 and 34, hereinbefore described. I destroy all traces of the old cor., and reestablish it in the same place as follows:



## Resurvey of the South bdy. of Township 3 North, Range 4 East. 15.

Chains.

Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T 3 N in N.,  
T 2 N 1914 in S., and  
R 4 E in W. half;  
S 33 in NW.  
S 34 in NE.;  
S 3 in SE., and  
S 4 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, W. of cor.

Land, rolling valley, slopes to the east and southeast. Soil, rich, fine dry sandy loam, with some gravel 3 to 25 ft. deep on clay and gravel subsoil. Light growth bunch grass. No timber.

- N.  $85^{\circ}19'W.$ , on a true line, bet. secs. 4 and 33. Over rolling gravelly land, slopes to the northeast, through greasewood brush undergrowth, 4 ft. high.
- 14.20 Road from Paradise valley to Phoenix, Arizona, brs. NE. and SW.
- 37.94 Intersect the original  $\frac{1}{4}$  sec. cor. hereinbefore described. I destroy all traces of the old cor., and reestablish it in the same place as follows:  
Reset the same stone, 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
Thence I run,  
S.  $89^{\circ}46'W.$ , on a true line, on west half, bet. secs. 4 and 33, continuing measurement,
- 60.70 Foot of spur; leave rolling valley land, brs. NW. and SE. Ascend steep NE. slope, covered with malpais boulders, over mountainous land.
- 79.20 Intersect the original corner of secs. 4, 5, 32 and 33, hereinbefore described. This corner being in good condition, I do not reestablish it.  
East 60 chs. rolling valley, slopes to the northeast. Soil, gravelly clay loam, with considerable stone on the surface, 8 to 36 ins. deep on dry gravelly clay subsoil.  
West, 19 chs., mountainous, drains to the northeast. Soil, worthless malpais and shale rock.

- N.  $89^{\circ}55'W.$  on a true line, bet. secs. 5 and 32. Ascend abrupt NE. slope of spur, covered with malpais rock over mountainous land, through scattering palo verde timber, and greasewood brush undergrowth, 3 ft. high.
- .50 Top of spur 200 ft. above the valley, brs. N.  $40^{\circ}W.$ , and S.  $40^{\circ}E.$ ; descend abruptly over SW. slope.
- 11.20 Cliff, 20 ft. high, brs. NW. and SE.
- 36.00 Foot of descent in dry ravine, 30 lks. wide, 150 ft. deep below top of spur, course NW. Leave mountainous land brs. NW. and SE. Enter rolling land.
- 39.60 Intersect the original  $\frac{1}{4}$  sec. cor. hereinbefore described. This corner being in a dilapidated condition, I reestablish it in the same place as follows:  
Reset the same stone 8 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which,  
The original bearing tree, a palo verde, 10 ins. in diam., brs. N.  $77^{\circ}E.$ , 110 lks. dist., marked  $\frac{1}{4}$  S 32 B T.

## 16 22. Resurvey of the South bdy. of Township 3 North, Range 4 E.

Chains.

Redig pits 18x18x12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor. Thence I run, S.  $89^{\circ}51'$  W., on a true line, on west half, bet. secs. 5 and 32, continuing measurement,

40.02 Road from Paradise Valley to Phoenix, Arizona, brs. NE. and SW.

42.75 Dry ravine, 50 lks. wide, 4 ft. deep, course north; leave rolling land, brs. N. and S. Enter mountainous land; ascend SE. slope of spur, covered with loose stone.

79.65 Intersect the original cor. of secs. 5, 6, 31 and 32, hereinbefore described. This corner being in a dilapidated condition, I reestablish it as follows, in the same place:

Set the same stone 12 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked with 5 notches on E., and 1 notch on W. edges; from which,

A palo verde, 12 ins. in diam., brs. N.  $20\frac{1}{4}^{\circ}$  E., 188 lks. dist., marked T 3 N R 4 E S 32 B T.

A palo verde, 6 ins. in diam., brs. S.  $68\frac{3}{4}^{\circ}$  W., 75 lks. dist., marked T 2 N R 4 E S 6 B T.

Redig 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 and mountainous.  
Soil, poor stony clay loam and shale rock on ledges of malpais and granite.  
Light growth bunch grass.  
Timber, scattering palo verde.

S.  $89^{\circ}44'$  W., on a true line, bet. secs. 6 and 31. Ascend SE. slope of spur, over mountainous land, covered with loose granite and porphyry rock.

39.70 Intersect the original  $\frac{1}{4}$  sec. cor. hereinbefore described. This corner being in a state of dilapidation, I reestablish it in the same place as follows:

Reset the same stone, 8 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on N. face, and reconstruct the mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Thence I run, N.  $88^{\circ}42'$  W., on a true line, on west half, bet. secs. 6 and 31, continuing measurement.

66.30 Top of mountain 400 ft. high, brs. N.  $40^{\circ}$  E. and S.  $40^{\circ}$  W.; descend abruptly over SW. slope.

80.28 Intersect the original closing corner of Ts. 2 and 3 N., R. 4 E. hereinbefore described. This corner being in a dilapidated condition, I reestablish it in same place as follows:

Reset the same stone, 12 ins. in the ground for closing cor. of Ts. 2 and 3 N., R. 4 E., marked as described in the original field notes, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor. No trees within limits. Pits impracticable.

Land, mountainous.  
Soil, worthless.  
Timber, scattering palo verde.

March 11, 1914.

## Retracement of East bdy. of Township 3 North, Range 4 East. 17.

Chains.

- Retracement and resurvey commenced March 9, 1914, and executed with a Young and Sons' light mountain transit No. 10, described in Book "A." which, from recent tests 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 to be in satisfactory adjustment. All measurements are made with a 5-chain steel tape.
- March 9, 1914. At 9h. 11m. a.m., l.m.t., I set off  $33^{\circ} 33' N.$  on the lat. arc;  $4^{\circ} 37' S.$  on the decl. arc; and determine a meridian with the solar at the old post, which marks the true point for cor. of Ts. 2 and 3 N., R. 4 E., hereinbefore described.
- Thence I run,  
North, on a random line, on east bdy. of sec. 36.
- 3.20 Fall 1 link west of the closing corner of Ts. 2 and 3 N., R. 5 E., which is an iron post 3 ins. in diam., 12 ins. above ground, with brass cap, marked and witnessed as described by the Surveyor General.
- Continue line and measurement,
- 23.17 Fall 8 lks. west of closing  $1/16$  sec. cor. No. 12, referring to sec. 31, T. 3 N., R. 5 E., within Salt River Indian Reservation, an iron post, 1 in. in diam., 14 ins. above ground, with brass cap, marked and witnessed as described by the Surveyor General.
- Continue line and measurement,
- 39.96 Fall 16 lks. west of original  $1/4$  sec. cor., a mesquite post 3 ins. square, 14 ins. above ground, firmly set, marked,
- $1/2$  S on W., and  
S R I R on E. face, witnessed as described  
by the Surveyor General. I change this corner to  
refer to sec. 36, T. 3 N., R. 4 E. only, as follows:  
Mark 36 on W. face of post.
- The true course and distance of south half of east bdy. of sec. 36 is therefore  $N. 0^{\circ} 14' E.$ , 39.96 chs.
- 
- From above described  $1/4$  sec. cor., I run,  
North, on a random line, on north half of east bdy. of sec. 36.
- 3.22 Fall 1 link west of closing  $1/4$  sec. cor. of sec. 31, T. 3 N., R. 5 E., an iron post 1 in. in diam., 14 ins. above ground, with brass cap, marked and witnessed, as described by the Surveyor General.
- Continue line and measurement.
- 23.26 Fall 8 lks. west of closing  $1/16$  sec. cor. No. 6, referring to sec. 31, T. 3 N., R. 5 E., within the Salt River Indian Reservation, an iron post 1 in. in diam., 12 ins. above ground, firmly set with brass cap, marked and witnessed, as described by the Surveyor General.
- Continue line and measurement,
- 40.14 Fall 14 lks. west of reestablished corner of secs. 25 and 36, T. 3 N., R. 4 E., an iron post, 1 in. in diam., 10 ins. above ground, firmly set, marked on brass cap, and witnessed as described by the Surveyor General.
- True course and distance of north half of east boundary of sec. 36 is therefore,  $N. 0^{\circ} 12' E.$ , 40.14 chains.
-

18. Retracement of East bdy. of Township 3 North, Range 4 East.  
Chains.

- From corner of secs. 25 and 36, T. 3 N., R. 4 E., described above, I run,  
North, on a random line, on east boundary of sec. 25.  
3.09 Fall 1 link west of closing corner of secs. 30 and 31, T.  
3 N., R. 5 E., being also the NW. corner of the Salt  
River Indian Reservation, an iron post 3 ins. in  
diam., firmly set, 10 ins. above ground, with brass  
cap, marked and witnessed, as described by the  
Surveyor General.  
Continue line and measurement,  
40.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
80.00 Find no trace of original corner of secs. 19, 24, 25  
and 30; continue line and measurement, between  
secs. 19 and 24.  
120.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
160.00 Find no trace of original corner of secs. 13, 18, 19  
and 24:  
Continue line and measurement, between secs. 13 and 18.  
200.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
Note: At this point, I set off  $4^{\circ} 34\frac{1}{2}' S.$  on the  
decl. arc; and at apparent noon, observe the sun  
on the meridian; the resulting latitude being  $33^{\circ}$   
 $36' N.$   
Continue line and measurement,  
240.00 Fall 112 lks. west of the original corner of secs. 7, 12,  
13 and 18, the decayed end of a mesquite post in  
center of mound of earth; pits in each section.  
The true course and distance of line from corner of  
sec. 25 and 36, T. 3 N., R. 4 E. to this corner is  
therefore  $N. 0^{\circ} 16' E.$ , 240 chains.  
From the original corner of secs. 7, 12, 13 and 18,  
just found and described, I run,  
North, on a random line, on east boundary of sec. 12.  
40.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
80.00 Find no trace of original corner of sections 1, 6, 7  
and 12. Continue line and measurement on east  
boundary of sec. 1.  
120.12 Fall 101 lks. west of original  $\frac{1}{4}$  sec. cor., a decayed mes-  
quite post in center of mound of earth midway be-  
tween two pits.  
True course and distance of line from original corner  
of sections 7, 12, 13 and 18 to this corner is  
therefore  $N. 0^{\circ} 29' E.$ , 120.12 chs.  
From original  $\frac{1}{4}$  sec. cor. described above, I run,  
North; on a random line, on north half of east bdy.  
of sec. 1.  
39.99 Fall 91 lks. west of original corner of Ts. 3 and 4 N.,  
Rs. 4 and 5 E., hereinbefore described.  
The true course and distance of north half of east  
boundary of sec. 1 is therefore  $N. 1^{\circ} 18' E.$ , 40.00  
chains.

March 9. 1914.

Chains.

In the following resurvey, I reestablish obliterated corners on the range line between Ranges 4 and 5 East, observing the requirements of sec. 257 of the Manual, by reestablishing corners on a true line between corners found in preceding retracement at distances proportional to the original distances for the sections in T. 3 N., R. 4 E. only, which has been completely subdivided, and reestablish the defective original corners in their original positions, and mark them to refer to the same section or sections in T. 3 N., R. 4 E. only, to which they originally referred.

March 11, 1914: At 9h. 55m. a.m., l.m.t., I set off  $33^{\circ}34'N.$  on the latitude arc;  $3^{\circ}49\frac{1}{2}'S.$  on the decl. arc; and determine a meridian with the solar at the reestablished corner of secs. 25 and 36, T. 3 N., R. 4 E., an iron post, with brasscap, marked and witnessed as described by the Surveyor General.

Thence I run, as per result of retracement,  $N.0^{\circ}16'E.$ , on a true line, on east boundary of sec. 25. Over nearly level, sandy valley land, slopes to the SW., through scattering greasewood brush undergrowth, 3 ft. high, along west side of wire fence. Intersect closing corner of secs. 30 and 31, T. 3 N., R. 5 E., being also NW. corner of Salt River Indian Reservation, hereinbefore described.

3.09

25.40

40.00

Dry ravine, 5 lks. wide, 1 ft. deep, course SW. (Proportional distance). Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished  $\frac{1}{4}$  sec. cor. to sec. 25, marked on brass cap,

$\frac{1}{4}$  S 25 in W., 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 corner.

51.95

80.00

Dry ravine, 5 lks. wide, course SW. (Proportional distance). Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished corner of secs. 24 and 25, T. 3 N., R. 4 E., marked on brass cap,

T 3 N in N.,  
S 19, S 30, R 5 E in E., and  
1914 in S. half;  
S 24 in NW., and  
S 25 R 4 E. in SW. quadrant;

dig pits  $24 \times 24 \times 12$  ins., NW. and SW. of post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of corner.

Land, nearly level valley, drains to the SW.

Soil, rich, coarse dry, yellow clay loam, 25 ft. deep on dry clay and gravel subsoil.

$N.0^{\circ}16'E.$ , on a true line, on east boundary of sec. 24. Over nearly level sandy land in road, along west side of wire fence.

40.00

(Proportional distance). Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for reestablished

20. Retracement of East bdy. of Township 3 North, Range 4 East.  
Chains.

$\frac{1}{4}$  sec.cor. to section 24, T. 3 N., R. 4 E., marked on brass cap,

$\frac{1}{4}$  S 24 in W., and  
1914 in S.half;

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

Note: At this corner, I set off  $3^{\circ} 48' S.$ , on the declination arc; and at apparent noon, observe the sun on the meridian; and obtain a reading of  $33^{\circ} 35' N.$  on the latitude arc;

60.40 The NW. corner of wire fence, bears east 12 lks. distant.

63.20 Dry ravine, 8 lks. wide, 3 ft. deep, course  $S.30^{\circ} W.$   
80.00 (Proportional distance). Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished corner of secs. 13 and 24, T. 3 N., R. 4 E., marked on brass cap,

T 3 N in N.,  
S 18, S 19, R 5 E in E., and  
1914 in S.half;  
S 13 in NW., and  
S 24, R 4 E in SW. quadrant;

dig pits 24x24x12 ins., NW. and SW. of post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of corner.

Land, nearly level valley, drains to the southwest. Soil, rich dry, sandy clay loam, with some gravel, which wells sunk in the vicinity show to be nearly 50 ft. deep on clay and gravel subsoil.

Light growth bunch grass.

No timber.

N.  $0^{\circ}16' E.$  on a true line, on east boundary of sec. 13. Over nearly level sandy valley land, drains to the SW., along east side of road, through scattering mesquite timber and greasewood brush undergrowth, 3 ft. high.

40.00 (Proportional distance). Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished  $\frac{1}{4}$  sec.cor. to section 13, T. 3 N., R. 4 E., marked on brass cap,

$\frac{1}{4}$  S 13 in W., 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 corner.

79.80 Dry ravine, 7 lks. wide, 3 ft. deep, course  $S.30^{\circ} W.$

80.00 Intersect original corner of secs. 7, 12, 13 and 18, hereinbefore described. I destroy all traces of the old corner, and reestablish it in the same place as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for corner of secs. 12, and 13, T. 3 N., R. 4 E., marked on brass cap,

T 3 N in N.,  
S 7, S 18, R 5 E in E., and  
1914 in S.half;

Resurvey of part of the East bdy. of Township 3 N., R. 4 E., T. 21

Chains.

S 12 in NW., and  
S 13, R 4 E in SW. quadrant;  
dig pits 24x24x12 ins. NW. and SW. of post, 6 ft. dist.,  
and raise a mound of earth 4 ft. base, 2 ft. high, W.  
of cor.

The new pits obliterate the old pits west of line, and I  
destroy all trace of the old ones east of line.  
Land, nearly level, sandy valley land, drains to the south-  
west.

Soil, rich dry, sandy clay loam, with some gravel about  
25 ft. deep on dry clay and gravel subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite.

N. 0° 29' E., on a true line, on east bdy. of sec. 12.  
Over nearly level sandy and gravelly valley land, drains  
to the southwest, through scattering mesquite timber  
and greasewood brush undergrowth, 4 ft. high, along  
east side of road.

39.50 A house on the claim belonging to Joseph C. Goodell brs.  
west 185 lks. dist.

40.04 (Proportional distance). Set an iron post 3 ft. long, 1  
in. in diam., 26 ins. in the ground, for reestablished  
1/4 sec. cor. to sec. 12, T. 3 N., R. 4 E., marked on brass  
cap,

1/4 S 12 in W., and  
1914 in S. half; from which,  
An ironwood, 12 ins. in diam., brs. N. 61° W., 110  
lks. dist., marked 1/4 S 12 B T.  
An ironwood, 12 ins. in diam., brs. S. 50° W., 240  
lks. dist., marked 1/4 S 12 B T.

43.50 Old road, brs. NE. and SW.

80.08 (Proportional distance). Set an iron post 3 ft. long, 3  
ins. in diam., 24 ins. in the ground, for reestab-  
lished cor. of secs. 1 and 12, T. 3 N., R. 4 E., marked  
on brass cap,

T 3 N in N.,  
S 6, S 7 R 5 E in E., and  
1914 in S. half;  
S 1 in NW. and  
S 12, R 4 E in SW. quadrant;  
no trees within limits; dig pits 24x24x12 ins. NW.  
and SW. of post 6 ft. dist., and raise a mound of earth  
4 ft. base, 2 ft. high, west of cor.

Land, nearly level valley drains to the southwest.  
Soil, rich, coarse dry, clay loam, with considerable grav-  
el 10 to 15 ft. deep on dry clay and gravel subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, ironwood and mesquite.

N. 0° 29' E. on a true line, on east bdy. of sec. 1.  
Over nearly level sandy valley land, through scattering  
palo verde, ironwood and mesquite timber and grease-  
wood brush undergrowth, 3 ft. high.

40.04 Intersect the original 1/4 sec. cor., bet. secs. 1 and 6, here-  
inbefore described. I destroy all traces of the old  
cor., and reestablish it in the same place as fol-  
lows:

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

1/4 S 1 in W., 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

22 1. Resurvey of part of the East bdy. of Township 3 N., R. 4 E.

Chains.

raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of corner. The new pits sufficiently obliterate the old ones.  
 Thence I run,  
 N.  $1^{\circ}18'$  E., on a true line, on north half of east bdy. of sec. 1.  
 55.90 Old Verde Canal 40 lks. wide,  $3\frac{1}{2}$  ft. deep, course N.  $81^{\circ}$  W.  
 80.04 Intersect the cor. of Ts. 3 and 4 N., Rs. 4 and 5 E., which I reestablished March 10, 1914, as hereinbefore described.  
 Land, nearly level, sandy valley land, drains to the southwest.  
 Soil, medium, rich, dry, gravelly clay loam, 2 to 10 ft. deep on dry clay and gravel subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, ironwood and mesquite.  
 March 11, 1914.

Boundaries of Township 3 North, Range 4 East.  
 Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South bdy.,	N. $89^{\circ}19'$ W.	40.05	.48			40.05
	N. $89^{\circ}16'$ W.	40.04	.51			40.04
	N. $89^{\circ}21'$ W.	39.99	.45			39.99
	S. $88^{\circ}00'$ W.	39.98		1.40		39.95
	N. $89^{\circ}38'$ W.	40.05	.26			40.05
	N. $89^{\circ}47'$ W.	40.07	.15			40.07
	N. $85^{\circ}19'$ W.	37.94	3.10			37.81
	S. $89^{\circ}46'$ W.	41.26		.17		41.26
	N. $89^{\circ}55'$ W.	39.60	.06			39.60
	S. $89^{\circ}51'$ W.	40.05		.11		40.05
	S. $89^{\circ}44'$ W.	39.70		.18		39.70
	N. $88^{\circ}42'$ W.	40.58	.92			40.57
	N. $0^{\circ}53'$ W.	.62	.62			
West,	2.15				2.15	
West bdy.,	N. $0^{\circ}45'$ E.	39.65	39.65		.52	
	N. $0^{\circ}29'$ W.	39.93	39.93			.34
	N. $0^{\circ}19'$ W.	39.90	39.90			.22
	N. $0^{\circ}20'$ W.	39.94	39.94			.23
	N. $0^{\circ}15'$ W.	39.90	39.90			.17
	N. $0^{\circ}26'$ W.	39.38	39.38			.30
	N. $0^{\circ}23'$ W.	40.25	40.25			.27
	N. $0^{\circ}20'$ W.	41.13	41.13			.24
	N. $0^{\circ}24'$ W.	40.00	40.00			.28
	N. $0^{\circ}26'$ W.	40.00	40.00			.30
N. $0^{\circ}29'$ W.	78.75	78.75			.66	
North bdy.,	S. $89^{\circ}37'$ E.	366.56		2.45	366.56	
	East,	40.02			40.02	
	S. $89^{\circ}16'$ E.	40.14		.51	40.14	
East bdy.,	S. $89^{\circ}52'$ E.	39.89		.09	39.89	
	S. $1^{\circ}18'$ W.	40.00		39.99		.91
	S. $0^{\circ}29'$ W.	120.12		120.12		1.01
	S. $0^{\circ}16'$ W.	240.00		240.00		1.12
	S. $0^{\circ}12'$ W.	40.14		40.14		.14
S. $0^{\circ}14'$ W.	39.96		39.96		.16	
Convergency,					.48	
Totals,			485.39	485.12	487.61	487.64
			485.12			487.61
	Error in latitude,		0.26			
	Error in departure,					0.03



Retracement of Subdivision lines of Township 3 N., R. 4 E. 23.

Chains.

Retracement and resurvey commenced March 7, 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. For last complete test of the solar apparatus, see field notes of the retracement and resurvey of the west bdy. of this township in this book.

A 5-chain steel tape is the measure employed to determine all distances in this survey.

Preliminary to commencing the resurvey proper, I retrace all of the subdivision lines in order to acquaint myself with the existing evidence of all authentic corners, together with the recognized points for corners of the original survey as follows:

March 12, 1914: At 8h.10m., a.m., l.m.t., I set off 33° 33' N. on the lat. arc; 3° 27' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36 on the south bdy. of the Tp., which I reestablished March 11, 1914, as hereinbefore described.

Thence I run, N. 0° 1' W., on a random line, bet. secs. 35 and 36.

40.00 Find no trace of original 1/4 sec. cor.  
80.00 Find no trace of original cor. of secs. 25, 26, 35 and 36.  
Continue line and measurement bet. secs. 25 and 26.  
120.00 Find no trace of original 1/4 sec. cor.  
159.52 Fall 12 lks. E. of remains of original cor. of secs. 23, 24, 25 and 26, the decayed end of mesquite post in center of mound of earth. Four pits in proper position. True course and distance of line back to reestablished cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp. is therefore S. 0° 3' E., 159.52 chs.

From the remains of original cor. of secs. 23, 24, 25 and 26, described above, I run,

N. 0° 1' W. on a random line, bet. secs. 23 and 24.

40.00 Find no trace of original 1/4 sec. cor.  
80.00 Find no trace of original cor. of secs. 13, 14, 23 and 24.  
Continue line and measurement, bet. secs. 13 and 14.  
120.00 Find no trace of original 1/4 sec. cor.  
160.00 Find no trace of original cor. of secs. 11, 12, 13 and 14.  
Continue line and measurement, bet. secs. 11 and 12.  
200.00 Find no trace of original 1/4 sec. cor.  
240.00 Find no trace of original cor. of secs. 1, 2, 11 and 12.  
Continue line and measurement, bet. secs. 1 and 2.

280.00 Find no trace of original 1/4 sec. cor.  
320.45 Intersect north bdy. of Tp., 353 lks. west of reestablished cor. of secs. 1, 2, 35 and 36, hereinbefore described.

The true course and dist. back to remains of original cor. of secs. 23, 24, 25 & 26 is therefore S. 0° 37' W., 320.47 chs. Therefore, I return on temp. N. and S. line, setting temp. 1/4 sec. and sec. cors. at intervals proportional to the corresponding ones shown on original plat, as follows:

S. 0° 37' W., on temp. N. and S. line, bet. secs. 1 and 2.  
39.98 Set temp. 1/4 sec. cor.  
80.05 Set temp. cor. of secs. 1, 2, 11 and 12.

S. 0° 37' W., on temp. N. and S. line, bet. secs. 11 and 12.  
40.07 Set temp. 1/4 sec. cor.  
80.14 Set temp. cor. of secs. 11, 12, 13 and 14.

S. 0° 37' W., on temp. N. and S. line, bet. secs. 13 and 14.  
40.07 Set temp. 1/4 sec. cor.  
80.14 Set temp. cor. of secs. 13, 14, 23 and 24.

S. 0° 37' W., on temp. N. and S. line, bet. secs. 23 and 24.  
40.07 Set temp. point for 1/4 sec. cor.  
80.14 Intersect the remains of the original cor. of secs. 23, 24, 25 and 26, hereinbefore described.

Thence I run, S. 0° 03' E. on temp. N. and S. line, bet. secs. 25 and 26.  
39.88 Set temp. 1/4 sec. cor.  
79.76 Set temp. cor. of secs. 25, 26, 35 and 36.

## 24. Retracement of the Subdivision lines of T. 3 N. R. 4 E.

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39.88 S.0° 03' E., on temp. N. and S. line, bet. secs. 35 and 36.  
 79.76 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect the reestablished cor. of secs. 1, 2, 35 and 36,  
 on the south bdy. of the Tp., hereinbefore described.  
 March 12, 1914.

March 13, 1914: At 7h. 39m. 47secs., a.m., l.m.t., I set  
 off 33° 33' N. on the lat. arc; 3° 03 $\frac{1}{2}$ ' S. on the decl.  
 arc; and determine a meridian with the solar at the  
 cor. of secs. 2, 3, 34 and 35, on the south bdy. of Tp.,  
 which I reestablished March 11, 1914, as hereinbefore  
 described.  
 Thence I run,  
 40.00 N.0° 01' W., on a random line, bet. secs. 34 and 35.  
 No trace of the original  $\frac{1}{4}$  sec. cor., can be found after  
 diligent search.  
 80.00 Fall 21 lks. west of the remains of the original cor. of  
 secs. 26, 27, 34 and 35, which is the end of a mesquite  
 post 8 ins. long, greatly decayed in the center of re-  
 mains of earth mound, with distinct remains of 4 pits  
 in nearly their proper position.  
 True course and distance of line back to the corner of  
 secs. 2, 3, 34 and 35 is therefore S.0° 08' W., 80.00 chs.

40.92 From the remains of the original corner of secs. 26, 27, 34  
 and 35, I run,  
 N.0° 01' W., on a random line, bet. secs. 26 and 27.  
 Fall 25 lks. east of the original  $\frac{1}{4}$  sec. cor., which is  
 the decayed end of a mesquite stake 8 ins. long, in  
 center of earth mound, midway between the distinct re-  
 mains of 2 pits nearly in their proper places.  
 True course and distance of line back to the sec. cor.  
 is S. 0° 22' E., 40.92 chs.

40.06 From  $\frac{1}{4}$  sec. cor. above described, I run,  
 N.0° 1' W., on a random line, on north half, bet. secs. 26  
 and 27.  
 Fall 21 lks. east of the evident remains of the original  
 corner of secs. 22, 23, 26 and 27, which is an earth  
 mound, with distinct remains of 4 pits. In center of  
 the remains of the old mound, midway between the cen-  
 ters of the old pits, set temp. cor. of secs. 22, 23,  
 26 and 27.  
 True course and distance of line back to the  $\frac{1}{4}$  sec. cor.  
 is therefore, S.0° 19' E., 40.06 chs.

40.14 From the temp. cor. of secs. 22, 23, 26 and 27, I run,  
 N.0° 01' W., on a random line, bet. secs. 22 and 23.  
 Fall 14 lks. west of the old  $\frac{1}{4}$  sec. cor., which is an earth  
 mound with decayed end of a mesquite stake in center  
 of, midway between the distinct remains of two pits.  
 True course and dist. of line back to the temp. cor. of secs.  
 22, 23, 26 and 27 is S.0° 11' W., 40.14 chs.

39.99 From  $\frac{1}{4}$  sec. cor. above described, I run,  
 N.0° 1' W., on a random line on north half, bet. secs. 22  
 and 23.  
 Fall 15 lks. west of the evident remains of the original  
 cor. of secs. 14, 15, 22 and 23, which is an earth mound,  
 with the distinct remains of 4 pits; in the center of  
 mound, midway between the centers of the old pits, set  
 temp. cor. of secs. 14, 15, 22 and 23.  
 True course and dist. of line back to the  $\frac{1}{4}$  sec. cor. is  
 therefore S.0° 12' W., 39.99 chs.

Chains.

From the temp. cor. of secs. 14, 15, 22 and 23, I run, N.0°01'W., on a random line, bet. secs. 14 and 15.

40.00 No trace of the original,  $\frac{1}{4}$  sec. cor. can be found after diligent search.

80.16 Fall 61 lks. west of the evident remains of the original cor. of secs. 10, 11, 14 and 15, which is an earth mound with the distinct remains of 4 pits equi distant from the center of the mound. In center of the old mound, set temp. cor. of secs. 10, 11, 14 and 15.

True course and dist. of line back to the temp. cor. of secs. 14, 15, 22 and 23 is therefore S.0° 25'W., 80.16 chs.

Note: At this cor., I set off 3°00 $\frac{1}{2}$ 'S. on the decl. arc; and at apparent noon, observe the sun on the meridian; and obtain a reading of 33° 36 $\frac{1}{2}$ 'N. on the lat. arc;

From the temp. cor. of secs. 10, 11, 14 and 15, I run, N.0°01'W., on a random line, bet. secs. 10 and 11.

40.03 Fall 14 lks. west of the original  $\frac{1}{4}$  sec. cor., which is the decayed and of a mesquite stake 2 ins. in diam., in the center of the remains of earth mound, with the distinct remains of 2 pits nearly in their proper places.

True course and distance of line back to the temp. cor. of secs. 10, 11, 14 and 15 is therefore S.0°11'W., 40.03 chs.

From  $\frac{1}{4}$  sec. cor. above described, I run, N.0°1'W. on a random line on north half, bet. secs. 10 and 11.

40.03 Fall 85 lks. west of the evident remains of the original corner of secs. 2, 3, 10 and 11, which is an earth mound with the distinct remains of 4 pits equi-distant from the center of the mound, In the center of the mound, I set temp. cor. of secs. 2, 3, 10 and 11.

True course and dist. of line back to the  $\frac{1}{4}$  sec. cor. is therefore S.1° 12'W., 40.04 chs.

From the temp. cor. of secs. 2, 3, 10 and 11, I run, N.0°07'W., on a random line, bet. secs. 2 and 3.

40.00 Fall 62 lks. west of the original  $\frac{1}{4}$  sec. cor., which is a mesquite stake about 6 ins. long, greatly decayed, set in the center of the remains of earth mound, with distinct remains of 2 pits in nearly their proper distance N. and S. of the old stake.

True course and distance of line back to the temp. cor. of secs. 2, 3, 10 and 11 is therefore, S.0° 46' W., 40.00 chs.

From the  $\frac{1}{4}$  sec. cor. above described, I run, N.0°7'W., on a random line, on north half, bet. secs. 2 and 3.

39.78 Intersect N. bdy. of Tp., 107 lks. S. 89° 37' E. of the witness cor. to the cor. of secs. 2 and 3, T.3 N., R.4 E., which I reestablished March 10, 1914, as herein before described.

True course and distance of line from the true point for cor. of secs. 2 and 3 back to the  $\frac{1}{4}$  sec. cor. is therefore S.0° 30' W., 39.78 chs.

March 13, 1914.

March 14, 1914: At 7h. 09m., 31secs. a.m., l.m.t., I set off 33°33'N. on the lat. arc; 2°40'S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the south bdy. of Tp.,

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- which I reestablished March 11, 1914, as hereinbefore described. Thence I run, N.0°02'W., on a random line, bet. secs. 33 and 34.
- 40.00 No trace of the original  $\frac{1}{4}$  sec. cor. can be found after diligent search.
- 80.08 Fall 23 lks. west of the original cor. of secs. 27, 28, 33 and 34, which is a mesquite stake, greatly decayed, marks almost completely obliterated, set in the center of remains of earth mound, with distinct remains of 4 pits nearly in their proper places.
- True course and dist. of line back to the cor. of secs. 3, 4, 33 and 34 on the south bdy. is therefore S.0°08' W., 80.08 chs.
- 
- From the original cor. of secs. 27, 28, 33 and 34, I run, N.0°02'W., on a random line, bet. secs. 27 and 28.
- 40.06 Fall 07 lks. west of the original  $\frac{1}{4}$  sec. cor., which is a mesquite post 3 ins. square, 12 ins. above ground, marks nearly obliterated, with indistinct remains of old pits N. and S. of post.
- True course and dist. of line back to the cor. of secs. 27, 28, 33 and 34, is therefore S.0°04' W., 40.06 chs.
- From  $\frac{1}{4}$  sec. cor. above described, I run, N.0°2' W. on a random line, on north half, bet. secs. 27 and 28.
- 40.04 Fall 05 lks. west of the remains of the original cor. of secs. 21, 22, 27 and 28, which is a decayed mesquite stake about 8 ins. long in the center of remains of earth mound, with the distinct remains of four pits equi-distant from the center of the mound.
- True course and dist. of line back to the  $\frac{1}{4}$  sec. cor. is therefore S.0°2' W., 40.04 chs.
- 
- From the original cor. of secs. 21, 22, 27 and 28, I run, N.0°02'W., on a random line, bet. secs. 21 and 22.
- 40.91 Fall 45 lks. west of the original  $\frac{1}{4}$  sec. cor., which is a mesquite post 3 ins. square, marked  $\frac{1}{4}$  S on W. face, with distinct remains of the old pits.
- True course and dist. of line back to the original cor. of secs. 21, 22, 27 and 28, is therefore S.0°36' W., 40.91 chs.
- From  $\frac{1}{4}$  sec. cor. above described I run, N.0°02'W., on a random line, on north half, bet. secs. 21 and 22.
- 40.05 Fall 26 lks. east of the evident remains of the original cor. of secs. 15, 16, 21 and 22, which is an earth mound with the distinct remains of 4 pits, NE., SE. SW and NW. of mound. No trace of the old cor. post can be found; therefore, in the center of the mound equi-distant from the center of the pits, I set temp. cor. of secs. 15, 16, 21 and 22.
- Note: At this cor. I set off 2°37' S. on the decl. arc, and observe the sun on the meridian at apparent noon; the resulting lat. is 33°35 $\frac{1}{2}$ ' N.
- True course and dist. of line back to  $\frac{1}{4}$  sec. cor. is therefore S.0°24' E., 40.05 chs.
- 
- From the temp. cor. of secs. 15, 16, 21 and 22, I run, N.0°02'W., on a random line, bet. secs. 15 and 16.
- 40.18 Fall 02 lks. east of the true point for the original  $\frac{1}{4}$  sec. cor., all traces of which have disappeared, and

Retracement of the Subdivision lines of T.3 N., R.4 E. 27.

Chains.

which I relocate N.17° W., 176 lks.dist. from the stump of the old bearing tree described in the original field notes.

True course and distance of line back to the temp.cor. of secs. 15,16,21 and 22 is therefore S.0°03'E.,40.18 chs.

From above described point for 1/4 sec.cor., I run, N.0°2'W., on a random line, on north half,bet. secs.15 and 16.

40.00 Find no trace of original cor. of secs.9,10, 15 and 16. Continue line and measurement, bet. secs.9 and 10.

80.00 Find no trace of original 1/4 sec.cor.

120.56 Fall 161 lks.west of remains of original cor. of secs. 3,4,9 and 10, the decayed end of a mesquite post in center of mound of earth. Four pits in their proper positions.

True course and dist. back to the true point for original 1/4 sec.cor., bet. secs.15 and 16 is therefore,S.0°44' W., 120.57 chs.

From the original cor. of secs. 3,4,9 and 10, I run, N.0°02' E., on a random line, bet. secs.3 and 4.

40.00 No trace can be found of the original 1/4 sec.cor., after diligent search.

79.43 Intersect the N.bdy.of Tp. 46 lks.N.89° 37'W. of the cor. of secs. 3 and 4, T.3 N., R.4 E., which I reestablished March 10,1914, as hereinbefore described.

True course and distance of line back to the original cor. of secs. 3,4,9 and 10 is therefore S.0° 22'W,79.43 chs.

I return to the original cor.of secs.3,4,9 and 10.Thence I run, S.0°44'W., on temp.N.and S. line, bet. secs.9 and 10, setting temp.1/4 sec.and sec.cors. at distances proportional to the distances shown on the original plat, as follows:

40.19 Set temp.1/4 sec.cor.

80.38 Set temp.cor. of secs.9,10,15 and 16.

S.0° 44'W., on temp.N.and S. line, bet. secs.15 and 16. Intersect the true point for 1/4 sec.cor., hereinbefore described.

40.19

March 14, 1914.

March 16, 1914: At 8h. 8m.57s. a.m.,l.m.t., I set off 33°33'N.on the lat.arc; 1°53'S.on the decl.arc,and determine a meridian with the solar at the original cor.of secs. 4,5,32 and 33 on south bdy,of Tp.hereinbefore described.

Thence I run, N.0°2'W., on a random line, bet. secs.32 and 33.

39.97 Fall 5 lks.west of remain of original 1/4 sec.cor., the decayed end of mesquite stake, 8 ins. long in center of mound of earth, 2 pits in proper position.

True course and distance of line back to cor.of secs.4, 5,32 and 33, on south bdy.of Tp. is therefore,S.0°2' W., 39.97 chs.

From original 1/4 sec.cor., above described, I run, N.0°2'W., on a random line, on north half,bet. secs.32 and 33.

## 28. Retracement of the subdivision lines of T.3 N., R.4 E.

Chains.

40.00 Find no trace of original cor. of secs. 28, 29, 32 and 33,  
Continue line and measurement, bet. secs. 28 and 29.  
80.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
120.45 Fall 12 lks. east of remains of original cor. of secs. 20, 21,  
28 and 29, the decayed end of mesquite post, 3 ins.  
in diam., 6 ins. long, in center of mound of earth.  
Four pits in proper position.  
True course and dist. of line back to original  $\frac{1}{4}$  sec. cor.  
bet. secs. 32 and 33 is therefore S.  $0^{\circ}5'$  E., 120.45 chs.

39.96 From original cor. of secs. 20, 21, 28 and 29, I run,  
N.  $0^{\circ}2'$  W., on a random line, bet. secs. 20 and 21.  
Fall 8 lks. west of remains of original  $\frac{1}{4}$  sec. cor., a mound  
of earth midway between two pits in proper position.  
In center of mound, I set temp.  $\frac{1}{4}$  sec. cor. True course  
and dist. of line back to corner of secs. 20, 21, 28 and  
29 is therefore S.  $0^{\circ}5'$  W., 39.96 chs.  
From above described  $\frac{1}{4}$  sec. cor., I run,  
N.  $0^{\circ}2'$  W., on a random line on north half, bet. secs. 20 and  
21.  
40.04 Fall 16 lks. east of remains of original corner of secs.  
16, 17, 20 and 21, a mound of earth, 4 pits in proper  
position. In center of mound I set temp. cor. of  
secs. 16, 17, 20 and 21.  
True course and distance of line back to  $\frac{1}{4}$  sec. cor. is  
therefore S.  $0^{\circ}16'$  E., 40.04 chs.

40.00 From original cor. of secs. 16, 17, 20 and 21, above de-  
scribed, I run,  
N.  $0^{\circ}2'$  W., on a random line, bet. secs. 16 and 17.  
80.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
Find no trace of original cor. of secs. 8, 9, 16 and 17.  
Continue line and measurement bet. secs. 8 and 9.  
120.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
158.88 Fall 125 lks. west of remains of original cor. of secs.  
4, 5, 8 and 9, the decayed end of a mesquite post, 8  
ins. long, in center of mound of earth, 4 pits in  
proper position.  
Note: At this corner at apparent noon, I set off  $1^{\circ}49\frac{1}{2}'$   
S. on the decl. arc, and observe the sun on the meri-  
dian; the resulting lat. is  $33^{\circ}37'$  N.  
True course and dist. of line back to cor. of secs. 16, 17,  
20 and 21 is S.  $0^{\circ}25'$  W., 158.88 chs.

40.00 N.  $0^{\circ}09'$  E., on a random line, bet. secs. 4 and 5.  
No traces of the  $\frac{1}{4}$  sec. cor. are found after diligent  
search.  
79.78 Intersect N. bdy. of Tp., 05 lks. S.  $89^{\circ}37'$  E. of the  
cor. of secs. 4 and 5, T.3 N. R.4 E., which I reestab-  
lished March 10, 1914, as hereinbefore described.  
True course and dist. of line back to the original cor.  
of secs. 4, 5, 8 and 9 is therefore S.  $0^{\circ}7'$  W., 79.78  
chs.

I return to the original corner of secs. 4, 5, 8 and 9.  
Thence I run,  
S.  $0^{\circ}25'$  W. on temp. N. and S. line, bet. secs. 8 and 9, set-  
ting temp.  $\frac{1}{4}$  sec. and sec. cors. at distances propor-  
tional to the distances shown on the original plat,

Retracement of the Subdivision lines of T. 3 N., R. 4 E. 29.

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as follows:

39.72 Set temp.  $\frac{1}{4}$  sec.cor.  
79.44 Set temp.cor. of secs. 8,9,16 and 17.

S.0° 25'W. on temp. N.and S. line, bet. secs. 16 and 17.  
39.72 Set temp.  $\frac{1}{4}$  sec.cor.  
79.44 Intersect the temp.cor.of secs.16,17,20 and 21.

From the original cor.of secs. 20,21,28 and 29, I run,  
S.0°05' E. on temp.N.and S. line, bet. secs. 28 and 29.  
40.15 Set temp.  $\frac{1}{4}$  sec.cor.  
80.30 Set temp.cor.of secs.28,29,32 and 33.

S.0°05'E., on temp.N.and S. line, bet. secs. 32 and 33.  
40.15 Intersect the original  $\frac{1}{4}$  sec.cor., hereinbefore de-  
scribed.  
March 16, 1914.

March 7, 1914: At 7h.56m. 20secs., a.m.,l.m.t., I set  
off 33°33'N. on the lat.arc; 5°24' S. on the decl.  
arc; and determine a meridian with the solar at the  
cor.of secs. 5,6,31 and 32 on the south bdy.of Tp.,  
which I reestablished March 11,1914, as hereinbefore  
described.  
Thence I run,  
N.0°03'W., on a random line, bet. secs.31 and 32.  
40.00 I make a diligent search for the original  $\frac{1}{4}$  sec.cor.,  
which I am unable to find.  
80.91 Fall 35 lks.west of the original corner of secs.29,30,  
31 and 32, which is a palo verde post 4 ins.square,  
greatly decayed, with marks almost obliterated, with  
distinct remains of mound and pits.  
True course and dist.of line back to the original cor.  
of secs. 5,6,31 and 32 is therefore S.0°12'W.,80.91  
chs.

From original cor.of secs. 29,30,31 and 32, I run,  
N.0°3'W., on a random line, bet. secs.29 and 30.  
40.00 Find no trace of original  $\frac{1}{4}$  sec.cor.  
80.00 Find no trace of original cor.of secs.19,20,29 and 30.  
Continue line and measurement bet. secs.19 and 20.  
120.00 Find no trace of original  $\frac{1}{4}$  sec.cor.  
160.00 Find no trace of original cor.of secs.17,18, 19 and 20.  
Continue line and measurement bet. secs.17 and 18.  
200.00 Find no trace of original  $\frac{1}{4}$  sec.cor.  
238.62 Fall 55 lks.east of remains of original cor.of secs.7,8,  
17 and 18, the decayed end of a mesquite post in center  
of mound of earth, 4 pits in proper position.  
True course and dist. of line back to original cor.of  
secs. 29,30,31 and 32 is therefore S.0° 11'E., 238.62  
chs.

From original cor.of secs.7,8,17 and 18, above described,  
I run,  
N.0°3'W., on a random line, bet. secs. 7 and 8.  
40.00 Find no trace of original  $\frac{1}{4}$  sec.cor.

## 30. Retracement of the Subdivision lines of T. 3 N., R. 4 E.

Chains.

80.00 Find no trace of original cor. of secs. 5, 6, 7 and 8. Continue line and measurement, bet. secs. 5 and 6.  
 120.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
 160.00 Intersect N. bdy. of Tp., 70 lks. N.  $89^{\circ} 37' W.$  of cor. of secs. 5 and 6, T. 3 N., R. 4 E., reestablished by me, as hereinbefore described.  
 True course and dist. back to original cor. of secs. 7, 8, 17 and 18 is therefore S.  $0^{\circ} 12' W.$ , 160.00 chs. Therefore, I return on temp. N. and S. line, setting temp.  $\frac{1}{4}$  sec. and sec. cors. at intervals proportional to the corresponding ones shown on original plat as follows:  
 S.  $0^{\circ} 12' W.$ , on temp. N. and S. line, bet. secs. 5 and 6.  
 39.66 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.77 Set temp. cor. of secs. 5, 6, 7 and 8.

S.  $0^{\circ} 12' W.$  on temp. N. and S. line, bet. secs. 7 and 8.  
 40.11 $\frac{1}{4}$  Set temp.  $\frac{1}{4}$  sec. cor.  
 80.23 Intersect the original cor. of secs. 7, 8, 17 and 18, hereinbefore described.  
 Note: At this cor. I set off  $5^{\circ} 21\frac{1}{2}' S.$  on the decl. arc; and at apparent noon, observe the sun on the meridian and obtain a reading of  $33^{\circ} 36' N.$  on the lat. arc.

From the original cor. of secs. 7, 8, 17 and 18, I run, S.  $0^{\circ} 11' E.$  on temp. N. and S. line, bet. secs. 17 and 18.  
 39.77 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.54 Set temp. cor. of secs. 17, 18, 19 and 20.

From temp. cor. of secs. 17, 18, 19 and 20, I run, S.  $0^{\circ} 11' E.$  on temp. N. and S. line, bet. secs. 17 and 18.  
 39.77 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.54 Set temp. cor. of secs. 17, 18, 19 and 20.

From temp. cor. of secs. 17, 18, 19 and 20, I run, S.  $0^{\circ} 11' E.$  on temp. N. and S. line, bet. secs. 29 and 30.  
 39.77 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.54 Intersect the original cor. of secs. 29, 30, 31 and 32, hereinbefore described.

March 7, 1914.

March 17, 1914: At 8h. 8m. 40secs. a.m., l.m.t., I set off  $33^{\circ} 34' N.$  on the lat. arc;  $1^{\circ} 29' S.$  on the decl. arc; and determine a meridian with the solar at the reestablished cor. of secs. 25 and 36 on the east bdy. of the township hereinbefore described.  
 Thence I run, (as per original course), S.  $89^{\circ} 50' W.$ , on a random line, bet. secs. 25 and 36.  
 40.10 Find no trace of original  $\frac{1}{4}$  sec. cor.  
 80.20 Find no trace of original cor. of secs. 25, 26, 35 and 36.  
 120.22 Continue line and measurement bet. secs. 26 and 35.  
 Fall 18 lks. south of remains of original  $\frac{1}{4}$  sec. cor., a mesquite stake badly decayed in mound of earth, 2 pits in proper position.  
 True course and dist. of line back to cor. of secs. 35 and 36 is therefore, N.  $89^{\circ} 55' E.$ , 120.22 chs.  
 From original  $\frac{1}{4}$  sec. cor. above described, I run,



Retracement of the Subdivision lines of T. 3 N., R. 4 E. 31.

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39.88 West, on a random line, on west half, bet. secs. 26 and 35.  
 Fall 6 lks.north of original corner of secs. 26,27,34 and 35, hereinbefore described.  
 True course and distance of line back to  $\frac{1}{4}$  sec.cor. is therefore N.89° 55'E., 39.88 chs.

40.00 From the original cor. of secs. 26,27, 34 and 35, I run, West, on a random line, bet. secs. 27 and 34.  
 No trace of the original  $\frac{1}{4}$  sec.cor. can be found after diligent search.  
 80.07 Fall 47 lks.south of the original cor. of secs. 27,28, 33 and 34 hereinbefore described.  
 True course and dist.of line back to the original cor.of secs. 26,27, 34 and 35 is S.89° 40'E., 80.07 chs.

40.09 From the original cor.of secs. 27,28, 33 and 34, I run, S.89°52'W., on a random line, bet. secs.28 and 33.  
 80.18 Find no trace of original  $\frac{1}{4}$  sec.cor.  
 Find no trace of original cor. of secs.28,29,32 and 33.  
 Continue line and measurement bet. secs.29 and 32.  
 120.18 Find no trace of original  $\frac{1}{4}$  sec.cor.  
 158.46 Fall 388 lks.S. of the original cor.of secs. 29,30,31 and 32, hereinbefore described.  
 Note: At this cor.at apparent noon, I set off 1°26'S. on the decl.arc; and observe the sun on the meridian,the resulting latitude being 33°34'N.  
 True course and dist. of line back to original cor.of secs.27,28,33 and 34 is S.88° 44'E., 158.50 chs.

40.00 From the original cor.of secs. 29,30,31 and 32, I run, S.89°49'W., on a random line, bet. secs.30 and 31.  
 No trace of the original  $\frac{1}{4}$  sec.cor., can be found after diligent search.  
 82.44 Intersect the west bdy. of Tp.17 lks.south of the original cor. of secs.25,30, 31 and 36 hereinbefore described.  
 True course and dist. of line back to the original cor. of secs. 29,30,31 and 32 is therefore N.89°56'E.,82.44 chs.

I return to the original cor. of secs. 29,30,31 and 32. Thence I run, S.88°44'E. on temp.E.and W.line, bet. secs.29 and 32, setting temp. $\frac{1}{4}$  sec. and sec.cors. at distances proportional to the distances shown on orig.plat as follows:  
 39.58 Set temp. $\frac{1}{4}$  sec.cor.  
 79.16 Set temp.cor.of secs.28,29,32 and 33.  
 Note:From this point the temp.cor.of secs. 28,29,32 and 33 on temp,N.& S.line brs.N.2°01'E.106 lks.dist.

39.67 S.88°44'E., on temp. E.and W. line, bet. secs.28 and 33.  
 79.34 Set temp. $\frac{1}{4}$  sec.cor.  
 Intersect the original cor.of secs. 27.28,33 and 34.

## 32. Retracement of the Subdivision lines of T. 3 N., R. 4 E.

Chains.

40.01 From the original  $\frac{1}{4}$  sec. cor., bet. secs. 26 and 35, I run, N.  $89^{\circ}55'$  E. on temp. E. and W. line, bet. secs. 26 and 35. Set temp. cor. of secs. 25, 26, 35 and 36.  
 Note: From this point, the temp. cor. of secs. 25, 26, 35 and 36 on temp. N. and S. line, brs. N.  $14^{\circ}44'$  W., 59 lks. dist.

40.10 $\frac{1}{4}$  N.  $89^{\circ}55'$  E., on temp. E. and W. line, bet. secs. 25 and 36. Set temp.  $\frac{1}{4}$  sec. cor.  
 80.21 Intersect the reestablished cor. of secs. 25 and 36, on east bdy. of Tp., hereinbefore described.  
 March 17, 1914.

March 18, 1914: At 7h. 38m. 23secs. a.m., l.m.t., I set off  $33^{\circ}34\frac{1}{2}'$  N. on the lat. arc;  $1^{\circ}05\frac{1}{2}'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 24 and 25 on east bdy. of Tp., which I reestablished March 11, 1914, as hereinbefore described.  
 Thence I run,  
 40.05 S.  $89^{\circ}46'$  W., on a random line, bet. secs. 24 and 25. I make a diligent search for the original  $\frac{1}{4}$  sec. cor., which I am unable to find.  
 80.73 Fall 58 lks. south of the original cor. of secs. 23, 24, 25 and 26, hereinbefore described.  
 True course and distance of line back to the cor. of secs. 24 and 25 is therefore S.  $89^{\circ}49'$  E., 80.73 chs.

40.04 From the original cor. of secs. 23, 24, 25 and 26, I run, S.  $89^{\circ}54'$  W. on a random line, bet. secs. 23 and 26. I make a diligent search for the original  $\frac{1}{4}$  sec. cor., which I fail to find.  
 79.65 Fall 96 lks. south of the remains of the original cor. of secs. 22, 23, 26 and 27, hereinbefore described.  
 True course and dist. of line back to the original cor. of secs. 23, 24, 25 and 26 is therefore S.  $89^{\circ}25'$  E., 79.65 chs.

40.00 From the remains of the original cor. of secs. 22, 23, 26 and 27, I run, West, on a random line, bet. secs. 22 and 27. I make a diligent search for the original  $\frac{1}{4}$  sec. cor., which I am unable to find.  
 80.07 Fall 52 lks. N. of the original cor. of secs. 21, 22, 27 and 28, hereinbefore described.  
 True course and dist. of line back to the original cor. of secs. 22, 23, 26 and 27 is therefore N.  $89^{\circ}38'$  E., 80.07 chs.

40.04 From the original cor. of secs. 21, 22, 27 and 28, I run, S.  $89^{\circ}48'$  W., on a random line, bet. secs. 21 and 28. Find no trace of original  $\frac{1}{4}$  sec. cor.  
 79.52 Fall 326 lks. S. of the original cor. of secs. 20, 21, 28 and 29, hereinbefore described.

Retracement of the Subdivision lines of T. 3 N. R. 4 E. 33.

Chains.

Note: At this cor., at apparent noon, I set off 1°02'S. on the decl.arc; and observe the sun on the meridian, the resulting latitude being 33°35'N. True course and dist. of line back to original cor.of secs.21,22,27 and 28, is S.87° 51'E., 79.58 chs.

40.00 From original cor.of secs. 20,21,28 and 29, I run, West, on a random line, bet. secs.20 and 29.  
80.00 Find no trace of original 1/4 sec.cor.  
119.82 Find no trace of original cor.of secs.19,20,29 and 30. Continue line and measurement, bet. secs.19 and 30.  
Fall 31 lks.S.of original 1/4 sec.cor., a badly decayed mesquite post, marks almost obliterated. Pits and mound in proper position.  
True course and dist. of line back to original cor.of secs. 20,21,28 and 29, is therefore S.89° 51'E., 119.82 chs.  
From above described 1/4 sec.cor., I run, S.89°55'W., on a random line, on west half bet. secs.19 and 30.  
42.21 Intersect west bdy.of Tp., 15 lks.S.0°20'E. of the original cor.of secs. 19,24,25 and 30, hereinbefore described.  
True course and dist. of line back to the 1/4 sec.cor. is therefore S.89° 53' E., 42.21 chs.

I return to the original 1/4 sec.cor., bet. secs.19 and 30. Thence I run, S.89°51'E., on temp. E.and W. line, bet.secs.19 and 30, setting temp. 1/4 sec. and sec.cors. at distances proportional to the distances shown on the original plat as follows:  
39.94 Set temp.cor.of secs. 19,20, 29 and 30.  
Note: From this point, the temp. cor.of the same secs. on the temp.N. and S. line brs. S.76° 14'E.,50 lks. dist.

39.94 S.89° 51' E. on temp.E.and W.line, bet. secs.20 and 29.  
79.88 Set temp.1/4 sec.cor.  
Intersect the original cor.of secs. 20,21,28 and 29, hereinbefore described.  
March 18, 1914.

March 19,1914: At 8h. 23m. a.m.,l.m.t., I set off 33° 35 1/2'N. on the lat.arc; 0°42'S. on the decl.arc, and determine a meridian with the solar at the cor.of secs. 13 and 24, oneast bdy.of Tp., which I re-established March 11,1914, as hereinbefore described.  
Thence I run, S.89°52'W., on a random line, bet. secs.13 and 24.  
40.00 Find no trace of original 1/4 sec.cor.  
80.00 Find no trace of original cor.of secs.13,14,23 and 24. Continue line and measurement bet. secs.14 and 23.  
119.93 Find no trace of original 1/4 sec.cor.  
160.46 Fall 61 lks,S.of the original cor.of secs.14,15,22 and 23,hereinbefore described.

## 34. Retracement of Subdivision lines of T. 3 N., R. 4 E.

Chains.

True course and dist. back to cor. of secs. 13 and 24 on E. bdy. of Tp. is therefore S. 89° 55' E., 160.46 chs.

40.00 From the original cor. of secs. 14, 15, 22 and 23, I run, West, on a random line, bet. secs. 15 and 22.  
I make a diligent search for the original  $\frac{1}{4}$  sec. cor., which I am unable to find.  
80.10 Fall 35 lks. south of the old cor. of secs. 15, 16, 21 and 22, hereinbefore described.  
True course and dist. of line back to the original cor. of secs. 14, 15, 22 and 23 is therefore S. 89° 45' E., 80.10 chs.

40.05 From the original cor. of secs. 14, 15, 22 and 23, I run, S. 89° 57' W., on a random line, bet. secs. 16 and 21.  
I make a diligent search for the original  $\frac{1}{4}$  sec. cor., which I am unable to find.  
79.77 Fall 215 lks. S. of the original cor. of secs. 16, 17, 20 and 21, hereinbefore described.  
True course and dist. of line back to the original cor. of secs. 15, 16, 21 and 22 is therefore S. 88° 30' E., 79.80 chs.

40.00 From the original cor. of secs. 16, 17, 20 and 21, I run, West, on a random line, bet. secs. 17 and 20.  
80.00 Find no trace of original  $\frac{1}{4}$  sec. cor.  
120.00 Find no trace of original cor. of secs. 17, 18, 19 and 20.  
162.45 Continue line and measurement, bet. secs. 18 and 19.  
Find no trace of original  $\frac{1}{4}$  sec. cor.  
Intersect west bdy. of Tp., 19 lks. N. 0° 23' W. of the original cor. of secs. 13, 18, 19 and 24, hereinbefore described.  
True course and dist. of line back to original cor. of secs. 16, 17, 20 and 21, is therefore, N. 89° 56' E., 162.45 chs.  
Therefore, I return on temp. E. and W. line, setting temp.  $\frac{1}{4}$  sec. and sec. cors. at intervals proportional to corresponding ones shown on the original plat, as follows:  
43.02 N. 89° 56' E., on temp. E. and W. line, bet. secs. 18 and 19.  
82.83 Set temp.  $\frac{1}{4}$  sec. cor.  
Set temp. cor. of secs. 17, 18, 19 and 20.  
Note: From this point, the temp. cor. set for same secs. on temp. N. and S. line, brs. S. 24° 27' E., 24 lks. dist.

39.81 N. 89° 56' E., on temp. E. and W. line, bet. secs. 17 and 20.  
79.62 Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect the original cor. of secs. 16, 17, 20 and 21, hereinbefore described.  
Note: At this cor., I set off 0° 38 $\frac{1}{2}$ ' S. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33° 35' N. on the lat. arc.

40.08 From the original cor. of secs. 14, 15, 22 and 23, I run;  
80.16 S. 89° 42' E., on temp. E. & W. line, bet. secs. 14 and 23.  
Set temp.  $\frac{1}{4}$  sec. cor.  
Set temp. cor. of secs. 13, 14, 23 and 24.

Retracement of the Subdivision lines of T. 3 N. R. 4 E. 35

Chains.

Note: From this point, the temp. cor. for same secs. on the temp. N and S. line brs. N. 41° 11' E., 10 1/2 lks. dist.

40.15  
80.30

S. 89° 42' E. on temp. E. and W. line, bet. secs. 13 and 24:  
Set temp. 1/4 sec. cor.  
Intersect the cor. of secs. 13 and 24 on the E. bdy. of Tp. hereinbefore described.

March 19, 1914.

March 20, 1914: At 7h. 52m. 47secs. a.m., l.m.t., I set off 33° 36 1/2' N. on the lat. arc; 0° 18' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 12 and 13, on the east bdy., which I reestablished March 11, 1914, as hereinbefore described.

40.00  
80.00

Thence I run,  
S. 89° 52' W., on a random line, bet. secs. 12 and 13.  
Find no trace of original 1/4 sec. cor.  
Find no trace of original cor. of secs. 11, 12, 13 and 14.  
Continue line and measurement, bet. secs. 11 and 14.

119.92  
160.15

Find no trace of original 1/4 sec. cor.  
Fall 149 lks. S. of the original cor. of secs. 10, 11, 14 and 15, hereinbefore described.  
True course and dist. of line back to cor. of secs. 12 and 13 on east bdy. of Tp. is therefore S. 89° 36' E., 160.15 chs.

From the original cor. of secs. 10, 11, 14 and 15, I run, West, on a random line, bet. secs. 10 and 15.

40.00  
80.00

Find no trace of original 1/4 sec. cor.  
Find no trace of original cor. of secs. 9, 10, 15 and 16.  
Continue line and measurement, bet. secs. 9 and 16.

120.00  
160.00

Find no trace of original 1/4 sec. cor.  
Find no trace of original cor. of secs. 8, 9, 16 and 17.  
Continue line and measurement bet. secs. 8 and 17.

200.00  
240.21

Find no trace of original 1/4 sec. cor.  
Fall 147 lks. south of the original cor. of secs. 7, 8, 17 and 18, hereinbefore described.  
True course and dist. of line back to original cor. of secs. 10, 11, 14 and 15 is therefore S. 89° 39' E., 240.21 chs.

From the original cor. of secs. 7, 8, 17 and 18, I run, N. 89° 55' W., on a random line, bet. secs. 7 and 18.

40.00

No trace of the original 1/4 sec. cor. can be found after diligent search.

83.17

Intersect the west bdy. of the Tp., 179 lks. S. 0° 20' E., of the reestablished cor. of secs. 7, 12, 13 and 18, hereinbefore described.

Course of line back to the original cor. of secs. 7, 8, 17 and 18 is therefore S. 88° 41' E., 83.19 chs.

Note: At this cor. I set off 0° 15' S. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33° 37' N. on the lat. arc.

## 36. Retracement of the Subdivision of T. 3 N., R. 4 E.

Chains.

I return to the original cor. of secs. 7, 8, 17 and 18.  
Thence I run,  
S. 89° 39' E., on temp. E. and W. line, bet. secs. 8 and 17,  
setting temp.  $\frac{1}{4}$  sec. and sec. cors. at distances proportional to the distances shown on the original plat as follows:

40.03 $\frac{1}{2}$  Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Set temp. cor. of secs. 8, 9, 16 and 17.

Note: From this point the temp. cors. for same secs. on the temp. N. and S. line bears N. 22° 37' E., 78 lks. dist.

40.03 $\frac{1}{2}$  S. 89° 39' E., on temp. E. and W. line, bet. secs. 9 and 16.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Set temp. cor. of secs. 9, 10, 15 and 16.

Note: From this point the temp. cor. for the same secs. on the temp. N. and S. line bears N. 42° 17' W., 15 lks. dist.

40.03 $\frac{1}{2}$  S. 89° 39' E., on temp. E. and W. line, bet. secs. 10 and 15.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Intersect the original cor. of secs. 10, 11, 14 and 15.

39.995 From the original cor. of secs. 10, 11, 14 and 15, I run,  
79.99 S. 89° 36' E., on temp. E. and W. line, bet. secs. 11 and 14.  
Set temp.  $\frac{1}{4}$  sec. cor.

Set temp. cor. of secs. 11, 12, 13 and 14.

Note: From this point the temp. cor. for same secs. on the temp. N. and S. line bears east 48 lks. dist.

40.08 S. 89° 36' E., on temp. E. and W. line, bet. secs. 12 and 13.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.16 Intersect the reestablished cor. of secs. 12 and 13 on E. bdy. of Tp., hereinbefore described.

March 20, 1914.

March 21, 1914: At 8h. 7m. 29secs. a.m., l.m.t., I set off  
33° 37 $\frac{1}{2}$ ' N. on the lat. arc; 0° 05 $\frac{1}{2}$ ' N. on the decl.  
arc; and determine a meridian with the solar at the  
reestablished cor. of secs. 1 and 12 on the east bdy.  
of the Tp., hereinbefore described.

Thence I run,

S. 89° 52' W., on a random line, bet. secs. 1 and 12.

40.00 Find no trace of original  $\frac{1}{4}$  sec. cor.

80.00 Find no trace of original cor. of secs. 1, 2, 11 and 12.

Continue line and measurement, bet. secs. 2 and 11.

119.94 Find no trace of original  $\frac{1}{4}$  sec. cor.159.98 Fall 130 lks. S. of original cor. of secs. 2, 3, 10 and 11,  
hereinbefore described.

True course and dist. of line back to reestablished cor.  
of secs. 1 and 12 on E. bdy. of Tp. is therefore S. 89°  
40' E., 159.98 chs.

Retracement of the Subdivision lines of T. 3 N. R. 4 E. 37.

Chains.

From the original cor. of secs. 2, 3, 10 and 11, I run, S. 89° 54' W., on a random line, bet. secs. 3 and 10.

40.04 No trace of the original  $\frac{1}{4}$  sec. cor. can be found after diligent search.

80.07 Fall 96 lks. south of the original cor. of secs. 3, 4, 9 and 10, hereinbefore described.

True course and dist. of line back to the original cor. of secs. 2, 3, 10 and 11, is therefore S. 89° 25' E., 80.07 chs.

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From the cor. of secs. 3, 4, 9 and 10, I run, S. 89° 57' W., on a random line, bet. secs. 4 and 9.

40.00 No trace of the original  $\frac{1}{4}$  sec. cor. can be found after diligent search.

80.10 Fall 25 lks. south of the original cor. of secs. 4, 5, 8 and 9, hereinbefore described.

True course and dist. of line back to the original cor. of secs. 3, 4, 9 and 10 is therefore S. 89° 52' E., 80.10 chs.

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From the original cor. of secs 4, 5, 8 and 9, I run, N. 89° 55' W. on a random line, bet. secs. 5 and 8.

40.04 Find no trace of original  $\frac{1}{4}$  sec. cor.

80.08 Find no trace of original cor. of secs. 5, 6, 7 and 8. Continue line and measurement bet. secs. 6 and 7.

120.08 Find no trace of original  $\frac{1}{4}$  sec. cor.

164.69 Fall 187 lks. S. 0° 29' E. of the reestablished cor. of secs. 1, 6, 7 and 12 on the west bdy. of the Tp., hereinbefore described.

True course and dist. of line back to the original cor. of secs. 4, 5, 8 and 9 is therefore S. 89° 16' E., 164.70 chs.

---

From the reestablished cor. of secs. 1, 6, 7 and 12 on west bdy. of Tp., I run, S. 89° 16' E. on temp. E. and W. line, bet. secs. 6 and 7, setting temp.  $\frac{1}{4}$  sec. and sec. cors. at distances proportional to the distances shown on the original plat as follows:

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

84.16 Set temp. cor. of secs. 5, 6, 7 and 8.

Note: From this point the temp. cor. for same secs. on the temp. N. and S. line brs. S. 8° 08' W., 56 lks. dist.

Note: At this point, I set off 0° 09' N. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33° 38' N. on the lat. arc.

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S. 89° 16' E., on temp. E. and W. line, bet. secs. 5 and 8.

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

80.54 Intersect the original cor. of secs. 4, 5, 8 and 9, hereinbefore described.

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From the original cor. of secs. 2, 3, 10 and 11, I run, S. 89° 40' E. on temp. E. and W. line, bet. secs. 2 and 11.

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

79.93 Set temp. cor. of secs. 1, 2, 11 and 12.

Note: From this point the temp. cor. for same secs. on the temp. N. and S. line brs. S. 80° 18' E., 41 $\frac{1}{2}$  lks. dist.

## 38. Retracement of the Subdivision lines of T.3 N. R.4 E.

Chain.

- S.89° 40' E., on temp.E.and W. line, bet. secs.1 and 12'.  
 40.025 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.05 Intersect the reestablished cor. of secs.1 and 12, on E.  
 bdy.of Tp., hereinbefore described.  
 March 21, 1914.

## Resurvey of Subdivision lines of Township 3 N., R.4 E.

Having completed the retracement of the Subdivision lines and obtained all possible evidence of authentic corners and points for corners, I resurvey the Subdivision lines of this township, reestablishing the existing original corners in their original places, and restore the lost or obliterated corners by proportional measurement, based on the above mentioned retracement, at distances proportional to the distances shown on the original plat between recognized corners in accordance with the "Circular on Restoration of Lost or Obliterated Corners," as follows:

March 23, 1914: At 7h.22m. a.m., l.m.t., I set off 33°33' N. on the lat.arc; 0°53' N. on the decl.arc; and determine a meridian with the solar at the cor.of secs. 1, 2, 35 and 36 on the south bdy.of Tp. hereinbefore described.

Thence I run,

N.0°04'E., on a true line, bet. secs.35 and 36.

Over nearly level sandy valley land, drains to the southwest, along south side of road, through greasewood brush undergrowth, 4 ft. high.

20.50 Mary Showers' house brs.west 150 lks.dist.

21.45 A point 90 lks.east of the NE. cor.of wire fence, brs. west and south.

24.90 Dry gulch 5 lks.wide, 2 ft. deep, course SE.

39.88 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 35 in W.,  
 S 36 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.

77.90 A house on the claim belonging to Mary Showers, brs.W. 160 lks.dist.

79.76 At this point, which is 15 lks.E. of temp.sec.cor. set on temp.N.and S.line, and 57 lks.N.of tem. sec.cor., set on temp.E.and W.line, I reestablish the sec.cor. as follows:

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 3 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;

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, slopes gently to the south and southeast.

Soil, rich fine sandy loam, 6 ft.deep on clay subsoil.

Light growth bunch grass.

No timber.

From this corner, George F.Hart's house brs.N.  $35\frac{1}{2}$ °W, 250 lks.dist.



## Resurvey of Subdivision lines of Township 3 North, Range 4 E. 39.

Chains.

- S.89° 40'E., on a random line, bet. secs. 25 and 36.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.21 Intersect the east bdy.of Tp. at the cor.of secs.25 and 36,hereinbefore described.  
 Thence I run,  
 N.89°40'W., on a true line, bet. secs.25 and 36.  
 Over nearly level sandy valley land, drains to the south-west, through greasewood brush undergrowth.  
 .10 Road from Paradise Valley to Phoenix, Ariaona, beats N. and S.  
 23.30 Dry gulch, 10 lks.wide, 2 ft. deep, course SW.; enter dense mesquite brush, brs.NE. and SW.  
 24.00 Dry gulch, 15 lks.wide, 2 $\frac{1}{2}$  ft. deep, course SW.  
 31.10 Leave mesquite brush, brs. N.and S.  
 32.00 Ranch road brs.NE. and SW.  
 37.60 Truman Cromb's house, brs.N.4.50 chs.dist.  
 40.105 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 25 in N., and  
 $\frac{1}{4}$  S 36, 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 cor.  
 80.21 The reestablished cor.of secs.25,26,35 and 36.  
 Land, nearly level valley, slopes gently to the south-west.  
 Soil, rich fine dry sandy loam, 3 to 10 ft. deep.  
 Light growth bunch grass.  
 Timber, mesquite.
- 
- N.0°10'W., on a true line, bet. secs.25 and 26.  
 Over nearly level sandy valley land, drains to the SW, through scattering greasewood brush undergrowth, 4 ft.high along road.  
 39.88 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 26 in W.,  
 $\frac{1}{4}$  S 25 in E., and  
 1914 in S.half;  
 dig pits 18x18x22 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.  
 70.50 Dry gulch, 10 lks.wide, 2 $\frac{1}{2}$  ft. deep, course S.20°W.  
 76.50 Clarence E.Höver's house, brs.west 4.00 chs.dist.  
 79.76 Intersect the remains of the original cor.of secs.23,24, 25 and 26 hereinbefore described. I destroy all traces of the old cor., and reestablish it in its original place as follows:  
 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 3 N R 4 E in N., and  
 1914 in S.half;  
 S 23 in NW.,  
 S 24 in NE.,  
 S 25 in SE., and  
 S 26 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, W.of cor.  
 The new pits obliterate the old ones sufficiently.  
 Land, nearly level valley, slopes gently to the southwest.  
 Soil, rich fine dry, sandy loam, 3 to 12 ft.deep on clay and gravel subsoil.  
 Light growth bunch grass. No timber.
-

## 40. Resurvey of the Subdivision lines of T1 3 N., R. 4 E.

Chains.

- S.  $89^{\circ}49'E.$ , on a random line, bet. secs. 24 and 25.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.73 Intersect east bdy. of Tp. at the reestablished cor. of secs. 24 and 25, hereinbefore described.  
 Thence I run,  
 N.  $89^{\circ}49'W.$ , on a true line, bet. secs. 24 and 25.  
 Over nearly level sandy valley land, drains to the southwest, through scattering greasewood brush undergrowth, 3 to 4 ft. high.  
 .03 Leave road, brs. N. and S.  
 6.53 Dry gulch, 5 lks. wide,  $1\frac{1}{2}$  ft. deep, course S.  $20^{\circ}E.$   
 40.365 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 24 in N., and  
 $\frac{1}{4}$  S 25, 1914 in S. half;  
 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.  
 80.73 The reestablished cor. of secs. 23, 24, 25 and 26.  
 Note: At this cor. at apparent noon, I set off  $0^{\circ}56'N.$  on the decl. arc, and observe the sun on the meridian, the resulting lat. being  $33^{\circ}35'N.$   
 Land, rolling valley, slopes gently to the southwest. Soil, rich fine dry, sandy clay loam, with some gravel, which wells dug in the vicinity show to be 10 to 25 ft. deep on clay and gravel subsoil.  
 Light growth bunch grass.  
 No timber.
- 
- N.  $0^{\circ}34'E.$ , on a true line, bet. secs. 23 and 24.  
 Over nearly level sandy valley land, drains to the southwest, through scattering greasewood brush undergrowth, 3 ft. high, along east side of road.  
 15.70 Dry ravine, 8 lks. wide,  $2\frac{1}{2}$  ft. deep, course S.  $30^{\circ}W.$   
 37.40 Dry ravine, 10 lks. wide,  $2\frac{1}{2}$  ft. deep, course S.  $30^{\circ}W.$   
 39.92 Wire fence brs. E. and W., 50 lks. east of SW. cor. of field.  
 40.07 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 23 in W.,  
 $\frac{1}{4}$  S 24 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.  
 80.14 At this point, which is 7 lks. west of temp. sec. cor. set on temp. N. and S. line, and 8 lks. N. of temp. sec. cor. set on temp. E. and W. line, I reestablish the sec. cor. as follows:  
 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 3 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;  
 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 cor.  
 From this cor., a deserted house on the claim belonging to Martin C. Stokes brs. S.  $33\frac{1}{2}^{\circ}E.$ , 3.50 chs. dist.  
 A deserted house on the claim belonging to Marcus Bacon brs. S.  $40\frac{1}{2}^{\circ}W.$ , 3.00 chs. dist.

Re-survey of the Subdivision lines of Township 3 N. R. 4 E. 41

Chains.

Land, nearly level valley slopes gently to the southwest. Soil, rich dry, sandy clay loam, with some gravel, which from wells dug nearby is shown to be about 25 ft. deep on clay and gravel subsoil. Light growth bunch grass. No timber.

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40.00 S. 89° 52' E., on a random line, bet. secs. 13 and 24.  
 80.30 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.30 Intersect east bdy. of Tp. at the reestablished cor. of secs. 13 and 24, hereinbefore described.  
 Thence I run,  
 N. 89° 52' W., on a true line, bet. secs. 13 and 24.  
 Over nearly level sandy valley land, drains to the SW., through scattering greasewood brush undergrowth 4 ft. high.  
 .66 Road from Paradise Valley to Phoenix, Arizona, brs. N. and S.  
 35.45 Frank D. Stevenson's house brs. south 2.50 chs. dist.  
 40.15 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 N., and  
 $\frac{1}{4}$  S 24, 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 cor.  
 41.90 Dry gulch, 5 lks. wide, 2 ft. deep, course S. 25° W.  
 45.76 Dry ravine, 10 lks. wide,  $2\frac{1}{2}$  ft. deep, course S. 20° W.  
 80.30 The reestablished cor. of secs. 13, 14, 23 and 24.  
 Land, nearly level valley slopes gently to the southwest. Soil, rich dry sandy clay loam, about 10 ft. deep on dry clay and gravel subsoil; light growth bunch grass. No timber.

-----

M. 0° 19' E., on a true line, bet. secs. 13 and 14.  
 Over nearly level sandy valley land, drains to the southwest, through scattering greasewood brush undergrowth 4 ft. high, east side of road.  
 .25 Wire fence brs. E. and W.  
 40.07 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 14 in W.,  
 $\frac{1}{4}$  S 13 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.  
 50.76 Dry ravine, 5 lks. wide, 2 ft. deep, course S. 20° W.  
 80.14 At this cor. point, which is 48 lks. west of the temp. sec. cor. on temp. N. and S. line, I reestablish the sec. cor., as follows:  
 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 3 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;  
 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.

## 42. Resurvey of Subdivision lines of T. 3 N., R. 4 E.

Chains.

- Land nearly level valley, slopes gently to the southwest.  
Soil, medium rich fine dry sandy loam, with some gravel  
4 to 6 ft. deep on dry clay and gravel subsoil.  
Light growth bunch grass.  
No timber.
- 
- 40.00 S.  $89^{\circ}36'$  E., on a random line, bet. secs. 12 and 13.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.16 Intersect east bdy. of 4p., at the reestablished cor. of  
secs. 12 and 13, hereinbefore described.  
Thence I run,  
N.  $89^{\circ}36'$  W., on a true line, bet. secs. 12 and 13.  
Over level sandy valley land, through scattering  
greasewood brush undergrowth 4 ft. high.  
.85 Road from Paradise Valley to Phoenix, Arizona, brs. N. and  
S.  
27.70 Dry gulch, 5 lks. wide, course S.  $25^{\circ}$  W.  
38.29 Dry gulch, 5 lks. wide, course S.  $25^{\circ}$  W.  
40.08 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 12 in N., and  
S 13, 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 cor.  
80.16 The reestablished cor. of secs. 11, 12, 13 and 14.  
Land, level valley, drains to the southwest.  
Soil, rich dry, sandy clay loam, with some gravel on the  
surface 3 to 6 ft. deep on dry clay and gravel sub-  
soil.  
Light growth bunch grass.  
No timber.  
March 23, 1914.
- 
- March 28, 1914: At 8h. 05m., a.m., l.m.t., I set off  
 $33^{\circ}36\frac{1}{2}'$  N. on the lat. arc;  $2^{\circ}51'$  N. on the decl. arc;  
and determine a meridian with the solar at the reestab-  
lished cor. of secs. 11, 12, 13 and 14.  
Thence I run,  
N.  $0^{\circ}40'$  E., on a true line, bet. secs. 11 and 12.  
Over level sandy valley land, through scattering mesquite  
and ironwood timber and greasewood brush undergrowth  
2 to 5 ft. high along road.  
33.00 Archie Langley's house brs. east 3.20 chs. dist.  
40.07 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 11 in W.,  
S 12 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.  
45.55 Road to ranch, brs. NE. and SW.  
80.14 At this point, which is 41 lks. west of temp. sec. cor. on  
temp. N. and S. line, and 7 lks. S. of temp. sec. cor. on  
temp. E. and W. line, I reestablish the sec. cor. as  
follows:  
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 3 N R 4 E in N., and  
1914 in S. half;  
S 2 in NW.,

Resurvey of the Subdivision lines of Township 3 N., R 4 E. 43.

Chains.

S 1 in NE.,  
 S 12 in SE., and  
 S 11 in SW. quadrant;  
 dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and  
 raise a mound of earth 4 ft. base, 2 ft. high, west of  
 corner. No trees in limits.  
 From this corner, a store brs. N. 6¼° E., 10.00 chs. dist.  
 Land, level valley, drains to the southwest.  
 Soil, medium rich dry sandy and gravelly clay loam, 24 to  
 36 ins. deep on dry clay and gravel subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite and ironwood.

40.00 S. 89° 43' E., on a random line, bet. secs. 1 and 12.  
 80.05 Set temp. ¼ sec. cor.  
 Intersect east bdy. of Tp. at the reestablished cor. of  
 secs. 1 and 12, hereinbefore described.  
 Thence I run,  
 N. 89° 43' W., on a true line, bet. secs. 1 and 12.  
 Over rolling, sandy valley land, drains to the southwest,  
 through scattering mesquite and ironwood timber and  
 greasewood brush undergrowth, 3 ft. high.  
 34.75 Dry ravine, 15 lks. wide, 3 ft. deep, course S. 20° W.  
 40.025 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for reestablished ¼ sec. cor., marked on  
 brass cap,

¼ S 1 in N., and  
 S 12, 1914 in S. half;  
 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.  
 No trees in limits.  
 43.50 Dry ravine, 20 lks. wide, 3 ft. deep, course south.  
 72.60 Dry ravine, 10 lks. wide, 3 ft. deep, course south,  
 80.05 The reestablished cor. of secs. 1, 2, 11 and 12.  
 Land, rolling valley, drains to the SW.  
 Soil, rich dry sandy clay loam, about 36 ins. deep on  
 dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite and ironwood.

40.00 N. 0° 55' E., on a random line, bet. secs. 1 and 2.  
 80.05 Set temp. ¼ sec. cor.  
 Intersect north bdy. of Tp., at the reestablished cor. of  
 secs. 1, 2, 35 and 36, hereinbefore described.  
 Thence I run,  
 S. 0° 55' W., on a true line, bet. secs. 1 and 2.  
 Over rolling, sandy valley land, slopes to the southwest,  
 through scattering mesquite and ironwood timber and  
 greasewood brush undergrowth, 4 ft. high.  
 7.05 Old Verde Canal, 40 lks. wide, 3 ft. deep, course N. 83° W.  
 39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for reestablished ¼ sec. cor., marked on  
 brass cap,

¼ S 2 in W.,  
 S 1 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 3½ ft. base, 1½ ft. high,  
 west of cor, No trees suitable for bearing trees  
 within limits.

Note: At this cor. at apparent noon, I set off 2° 54' N.  
 on the decl. arc; and observe the sun on the meridian;  
 the resulting lat. being 33° 38' N.

44. ~~Reurvey of the Subdivision lines of Township 3 N., R. 4 E.~~

Chains.

62.26 James Minter's house brs. west 1.00 chain dist.  
 66.15 Thomas E. Hinck's house bears east 1.00 chain dist.  
 80.05 The reestablished cor. of secs. 1, 2, 11 and 22.  
 Land, rolling valley, drains to the southwest.  
 Soil, medium rich, fine dry, sandy clay loam, about 36  
 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, mesquite and ironwood.

March 28, 1914.

March 24, 1914: At 7h.06 $\frac{1}{2}$ m. a.m., l.m.t., I set off 33°  
 33'N. on the lat. arc; 1°17'N. on the decl. arc; and de-  
 termine a meridian with the solar at the reestablished  
 corner of secs. 2, 3, 34 and 35 on the south bdy. of Tp.,  
 hereinbefore described.

Thence I run,

N. 0°08'E., on a true line, bet. sec. 34 and 35.

Over nearly level sandy valley land along road, through  
dense mesquite and greasewood brush undergrowth, 4 to  
8 ft. high.7.40 Dry gulch, 5 lks. wide, 1 $\frac{1}{2}$  ft. deep, course S. 20°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,

S 34 in W.,

S 35 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.

55.60 Earl C. Hill's house brs. west 10.00 chs. dist.

80.00 Intersect the original cor. of secs. 26, 27, 34 and 35,  
hereinbefore described; I destroy all traces of the  
old cor., and reestablish it in the same place as fol-  
lows: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 3 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 36 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, W. of  
cor.

Land, nearly level valley, drains to the southwest.

Soil, rich fine dry, sandy loam, which wells dug in the  
vicinity show to be about 25 ft. deep on clay and  
gravel subsoil.N. 89°55'E., on a random line, on west half, bet. secs. 26  
and 35.39.88 Intersect the original  $\frac{1}{4}$  sec. cor.Thence N. 89°06'E. on east half, bet. secs. 26 and 35, con-  
tinuing measurement.

79.89 Intersect the reestablished cor. of secs. 25, 26, 35 and 36.

Thence I run,

S. 89°06'W., on a true line, bet. secs. 26 and 35.

Over rolling, sandy, valley land, drains to the south-  
west..25 Road from Paradise Valley to Phoenix, Arizona, brs. N.  
and S.

3.00 A well brs. south, 2.60 chs. dist.

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

Recovery of the Subdivision lines of Township 3 N. R. 4 E. 45.

Chains.

- 40.01 Intersect the original  $\frac{1}{4}$  sec.cor. hereinbefore described. I destroy all traces of the old cor., 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 26 in.N., and  
    S 35, 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 cor.  
Thence I run,  
E.89°55'W., on a true line, on west half,bet. secs.26 and 35, continuing measurement.
- 54.72 Enter mesquite thicket and dense greasewood brush undergrowth, brs.N.and S.
- 66.62 Dry gulch, 5 lks.wide, 3 ft. deep, course south.
- 66.72 Leave mesquite thicket, brs.N. and S.
- 68.22 Ranch road, brs.N. and S.
- 79.89 The reestablished cor.of secs. 26,27, 34 and 35.  
Land, rolling valley, drains to the southwest.  
Soil, rich fine dry sandy loam about 15 ft. deep on clay and gravel subsoil.  
Timber, mesquite.

- 
- N.0°22' W., on a true line, bet. secs.26 and 27.  
Over nearly level sandy valley land, through greasewood brush undergrowth, 4 to 6 ft. high.
- 9.25 Ranch road, brs.NW. and SE.
- 12.20 Roland W. Smith's house brs.west 10.00 chs.dist.
- 36.35 Anna G.Green's house, brs.east 5.80 chs.dist.
- 40.92 Intersect the original  $\frac{1}{4}$  sec.cor. hereinbefore described. I destroy all traces of the old cor., 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 27 in W.,  
    S 26 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.  
Thence I run,  
N.0° 19'E., on a true line, on north half, bet. secs.26 and 27, continuing measurement.
- 80.98 Intersect the original cor.of secs.22,23,26 and 27,hereinbefore described. I destroy all traces of the old cor1, and reestablish it in the same place as follows:  
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 3 N R 4 E inN., and  
    1914 in S.half;  
    S 22 in NW.,  
    S 23 in NE.,  
    S 26 in SE., and  
    S 27 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 cor.  
This cor.is in edge of road, brs.E.and W.  
Land, rolling valley drains to the southwest.  
Soil, rich fine dry sandy loam, 20 ft.deep,on dry clay and gravel subsoil.  
Light growth bunch grass.  
No timber.
-

46. Resurvey of the Subdivision lines of Township 3 N., R.4 E.  
Chains.

- 40.00 S.89°25'E., on a random line, bet. secs.23 and 26.  
Set temp.  $\frac{1}{4}$  sec.cor.
- 79.65 Intersect the reestablished cor.of secs.23,24,25 and 26.  
Thence I run,  
N.89°25'W., on a true line, bet. secs.23 and 26.  
Over rolling valley land, drains to the southwest, along  
south side of road, through mesquite and greasewood  
brush undergrowth.
- 1.40 Road from Paradise Valley to Phoenix, Arizona, bears N.  
and S.
- 6.00 Dry gulch, 5 lks. wide, 2 ft. deep, course S.30°W.
- 39.825 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 23 in N., and  
S 26, 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 cor.
- 45.50 A windmill brs.south 120 lks.dist.
- 46.30 Anna J.Brought's house brs.south 2.00 chs.dist.
- 59.70 Ranch road, brs.N.and S.
- 68.50 Dry gulch, 5 lks.wide, 2 ft. deep, course S.20°W.
- 79.65 The reestablished cor.of secs. 22,23,26 and 27.  
Land, rolling valley, drains to the southwest.  
Soil, rich fine dry sandy and gravelly clay loam, about  
15 ft.deep on clay subsoil.  
Light growth bunch grass.  
No timber.
- 
- N.0°11' E., on a true line, bet. secs. 22 and 23.  
Over level sandy valley land, through scattering mesquite  
timber and greasewood brush undergrowth, 4 ft. high.
- 1.50 Anna W.Adams' house brs.east 150 lks.dist.
- 40.14 Intersect the original  $\frac{1}{4}$  sec.cor. hereinbefore described.  
I destroy all traces of the old cor., 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 22 in W.,  
S 23 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.
- Thence I run,  
N.0°12'E. on a true line, on north half, bet. secs.22 and  
23, continuing measurement.
- 40.94 Dry gulch, 5 lks.wide, 2 ft. deep, course S.30°E.
- 80.13 Intersect the evident remains of the original cor.of  
secs. 14, 15, 22 and 23 hereinbefore described; I  
destroy all traces of the old cor., and reestablish  
it in the same place as follows:  
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 3 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;  
dig pits 18x18x12ins., 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,level valley drains to the south and southwest.  
Soil, rich fine dry sandy clay loam, 6 to 15 ft.deep on  
dry clay subsoil.  
Light bunch



Resurvey of the Subdivision lines of Township 3 N. R. 4 E. 47.

Chains.

Light growth bunch grass.  
Timber, scattering mesquite.  
Note: At this cor., I set off 1°20' N. on the decl. arc;  
and at apparent noon, observe the sun on the meridian,  
the resulting latitude being 33°35½' N.

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40.00 S. 89°58' E., on a random line, bet. secs. 14 and 23.  
Set temp. ¼ sec. cor.  
80.16 Intersect the reestablished cor. of secs. 13, 14, 23 and 24.  
Thence I run,  
N. 89°58' W., on a true line, bet. secs 14 and 23.  
Over level, sandy valley land, through scattering mesquite timber and greasewood brush undergrowth, 4 ft. high.  
.40 Wire fence brs. N. and S.  
.66 Road from Paradise Valley to Phoenix, Arizona, brs. N. and S.  
.90 The NE. cor. of wire fence brs. south 20 lks. dist.  
3.00 Dry gulch, 5 lks. wide, 2 ft. deep, course S. 40° W.  
40.08 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor., marked on brass cap,  
    ½ S 14 in N., and  
    S 23, 1914 in S. half;  
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. No trees in limits.  
47.25 Ranch road, brs. N. and S.  
49.55 Ranch road, brs. N. and S.  
58.15 Dry gulch 5 lks. wide, 2½ ft. deep, course south.  
66.60 Ranch road brs. N. and S.  
74.75 Dry gulch, 5 lks. wide, 2 ft. deep, course south.  
80.16 The reestablished cor. of secs. 14, 15, 22 and 23.  
Land, level, valley, drains to the south.  
Soil, fine dry, sandy clay loam, 3 to 10 ft. deep on clay subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite.

-----

N. 0°25' E., on a true line, bet. secs. 14 and 15.  
Over level sandy valley land, through scattering mesquite timber and greasewood brush undergrowth, 6 ft. high, E. of road.  
31.50 Dry gulch, 5 lks. wide, 2 ft. deep, course S. 30° W.  
40.08 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor., marked on brass cap,  
    ½ S 15 in W.,  
    S 14 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 3½ ft. base, 1½ ft. high, W. of cor.  
No trees in limits.  
60.00 Fred E. Pepper's house brs. east, 2.30 chs. dist., cross road.  
80.16 Intersect the remains of the original cor. of secs. 10, 11, 14 and 15, hereinbefore described; I destroy all traces of the old cor., and , and reestablish it in the same place as follows:  
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 3 N R 4 E in N., and  
    1914 in S. half;

## 48. Resurvey of the Subdivision lines of T.3 N., R.4 E.

Chains.

- S 10 in NW.,  
S 11 in NE.,  
S 14 in SE., and  
S 15 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 valley, drains to the south.  
Soil, coarse dry, sandy and clay loam, 3 to 6 ft. deep  
on clay subsoil.  
Light growth bunch grass.  
Timber, mesquite.
- 
- 40.00 S.  $89^{\circ} 36'$  E., on a random line, bet. secs. 11 and 14.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.99 Intersect the reestablished cor. of secs. 11, 12, 13 and 14.  
Thence I run,  
N.  $89^{\circ} 36'$  W., on a true line, bet. secs. 11 and 14.  
Over level sandy valley land, through scattering mes-  
quite and palo verde timber and greasewood brush under-  
growth, 3 to 5 ft. high.  
.15 Road from Paradise Valley to Phoenix, Arizona, brs. N.  
and S.  
8.85 Dry ravine, 10 lks. wide, course south, (2 ft. deep).  
32.55 Ranch road brs. N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.  
39.99 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 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  
 $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.  
57.85 Dry gulch, 5 lks. wide, 2 ft. deep, course S.  $20^{\circ}$  E.  
61.00 Ranch road, brs. NE. and SW.  
78.90 Road from Paradise Valley to Phoenix, Arizona, brs. NE.  
and SW.  
79.99 The reestablished cor. of secs. 10, 11, 14 and 15.  
Land, level valley, drains to the south.  
Soil, coarse gravelly clay loam, medium rich, 3 to 6 ft.  
deep on clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde and mesquite.  
March 24, 1914.
- 
- March 28, 1914: At 2h. 20m. p.m., l.m.t., I set off  $33^{\circ}$   
 $36\frac{1}{2}'$  N. on the lat. arc;  $2^{\circ} 56'$  N. on the decl. arc; and  
determine a meridian with the solar at the reestab-  
lished cor. of secs. 10, 11, 14 and 15.  
Thence I run,  
N.  $0^{\circ} 11'$  E., on a true line, bet. secs. 10 and 11.  
Over level sandy valley land, along west side of road,  
through scattering mesquite and palo verde timber and  
greasewood brush undergrowth, 4 to 7 ft. high.  
22.85 Dry sand wash, 5 lks. wide,  $2\frac{1}{2}$  ft. deep, course SW.  
35.90 Windmill and tank brs. east about 9.50 chs. dist.  
40.03 Intersect the original  $\frac{1}{4}$  sec. cor. hereinbefore described.  
I destroy all evidences of the old cor., 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 10 in W.,  
S 11 in E., and  
1914 in S. half;  
no trees within limits; dig pits 18x18x12 ins., N.

Resurvey of the Subdivision lines of Township 3 N. R. 4 E. 49.

Chains.

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.  
 Thence I run,  
 N.  $1^{\circ}12'$  E., on a true line, on north half bet. secs. 10 and 11, continuing measurement.  
 59.15 Ranch road, brs. NW. and SE.  
 78.40 Dry gulch, 6 lks. wide,  $2\frac{1}{2}$  ft. deep, course S.  $35^{\circ}$  W.  
 80.07 Intersect the remains of the original corner of secs. 2, 3, 10 and 11, hereinbefore described. I destroy all traces of the old cor., and reestablish it in the same place as follows:  
 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 3 N R 4 E in N., and  
     1914 in S. half;  
     S 3 in NW.,  
     S 2 in NE.,  
     S 11 in SE., and  
     S 10 in SW. quadrant;  
 no trees within limits suitable for bearing trees;  
 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, level valley, drains to the south.  
 Soil, medium rich, coarse dry gravelly clay loam, about 36 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde and mesquite.

S.  $89^{\circ}37'$  E., on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.93 Intersect the reestablished cor. of secs. 1, 2, 11 and 12.  
 Thence I run,  
 N.  $89^{\circ}37'$  W., on a true line, bet. secs. 2 and 11.  
 Over level sandy valley land, through scattering palo verde, ironwood and mesquite timber and greasewood brush undergrowth.  
 .60 Road from Paradise Valley to Phoenix, Arizona, bears N. and S.  
 17.90 Ranch road brs. NE. and SW.  
 31.75 Dry ravine, 10 lks. wide, 3 ft. deep, course south.  
 39.965 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,  
      $\frac{1}{2}$  S 2 in N., and  
     S 11 1914 in S. half;  
 no trees within limits suitable for bearing trees;  
 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.  
 79.93 The reestablished cor. of secs. 2, 3, 10 and 11.  
 Land, level valley, drains to the south.  
 Soil, rich dry, sandy and gravelly clay loam, 24 to 36 ins. deep on dry clay and gravel subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde, ironwood, and mesquite.

N.  $0^{\circ}46'$  E., on a random line, on south half, bet. secs. 2 and 3.  
 40.00 Intersect the original  $\frac{1}{4}$  sec. cor. Thence I run,  
 N.  $0^{\circ}30'$  E. on a random line, on N.  $\frac{1}{2}$  bet. secs. 2 and 3, continuing measurement.  
 79.78 Intersect N. bdy. of the Tp. at true point for cor. of secs. 2 and 3, hereinbefore described. Thence I run,  
 S.  $0^{\circ}30'$  W., on a true line on N.  $\frac{1}{2}$ , bet. secs. 2 and 3.  
 Over level sandy valley land, drains to the S., through

50. Resurvey of the Subdivision lines of T.3 N. R.4 E.  
Chains.

- through scattering palo verde, mesquite, ironwood and greasewood brush undergrowth, 3 ft. high.
- .20 Dry gulch, 5 lks. wide, 2 ft. deep, course S.30°E.
- 29.00 Dry sand wash, 15 lks. wide, 2½ ft. deep, course SW.
- 39.78 Intersect the original ¼ sec. cor. hereinbefore described. I destroy all traces of the old cor., 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 ¼ sec. cor., marked on brass cap,  
¼ S 3 in W.,  
S 2 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.  
Thence I run,  
S.0°46'W., on a true line on south half, bet. secs. 2 and 3, continuing measurement.
- 64.78 Dry sand wash, 15 lks. wide, 2½ ft. deep, course S.15°W.
- 74.50 Carl Hook's house brs. west 6.00 chs. dist.
- 79.78 The reestablished cor. of secs. 2, 3, 10 and 11.  
Land, level, valley drains to the south.  
Soil, medium, rich, sandy clay loam, with some gravel, 24 to 48 ins. deep on dry gravelly clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde, ironwood and mesquite.  
March 28, 1914.
- 
- March 25, 1914: At 7h.36m. a.m., l.m.t., I set off 33° 33'N. on the lat. arc; 1°40' N. on the decl. arc; and determine a meridian with the solar at the reestablished corner of secs. 3, 4, 33 and 34 on south bdy. of Tp., hereinbefore described.
- Thence I run,  
N.0°08'E. on a true line, bet. secs. 33 and 34.  
Over nearly level sandy valley land, along road.
- 11.40 Road from Paradise Valley to Phoenix, Arizona, brs. NW. and SE.
- 21.60 John W. Smith's house brs. west 130 lks. dist.
- 40.04 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished ¼ sec. cor., marked on brass cap,  
¼ 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 3½ ft. base, 1½ ft. high, W. of cor.
- 80.08 Intersect the original cor. of secs. 27, 28, 33 and 34, hereinbefore described; I destroy all traces of the old cor., and reestablish it in the same place as follows:  
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 3 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;  
dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
Land, rolling valley.  
Soil, medium rich dry sandy clay loam, with some gravel 24 to 36 ins. deep on dry clay subsoil.  
Light growth bunch grass. No timber.
-

Resurvey of the Subdivision lines of Township 3 N. R.4 E. 51.

Chains	
40.00	S.89°40' E., on a random line, bet. secs.27 and 34. Set temp. $\frac{1}{4}$ sec.cor.
80.07	Intersect the reestablished cor.of secs.26,27,34 and 35. Thence I run, N.89°40'W., on a true line, bet. secs.27 and 34. Over level sandy valley land, through scattering mesquite timber and greasewood brush undergrowth, 4 to 6 ft.high.
4.75	Dry gulch, 5 lks.wide, 2 ft. deep, course south.
12.37	Ranch road, brs.N.and S.
19.65	Dry gulch, 5 lks.wide, 3 ft. deep, course SE.
40.035	Set an iron post 3 ft.long, 1 in. in diam., 26 ins.in the the ground for reestablished $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 27 in N., and S 34 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,N.of cor.
44.00	A house on the claim belonging to John N. Greene, brs. north, 12.00 chs.dist.
58.00	A house on the claim belonging to Ralph W. Gowey, brs.S. 3.00 chs.dist.
59.57	Ranch road brs.N.20° W., and S.20° E.
80.07	The reestablished cor.of secs. 27,28, 33 and 34. Land,level valley, drains to the south. Soil, rich find dry sandy loam, 3 to 15 ft.deep on dry clay subsoil. Light growth bunch grass. Timber, mesquite.
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40.06	N.0°04'E., on a true line,on south half, bet. secs.27 and 28. Over level sandy valley land, along east side of road, through scattering greasewood brush undergrowth, 3 to 5 ft.high. Intersect the original $\frac{1}{4}$ sec.cor. hereinbefore described. I destroy the old cor., 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 28 in W., S 27 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. Thence I run, N.0°2'E., on a true line on north half, bet. secs. 27 and 28, continuing measurement.
41.00	Ranch road, brs. NW. and SE.
80.10	Intersect the original cor. of secs.21,22,27 and 28,here- inbefore described. I destroy all traces of the old corner, and reestablish it in the same place as fol- lows: 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 3 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; 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.

## 52. Resurvey of the Subdivisor lines of Township 3 N., R. 4 E.

Chains.

Soil, rich fine dry sandy loam, 3 to 12 ft. deep on clay subsoil.

Light growth of bunch grass.

No timber.

40.00 N.  $89^{\circ}38'E.$ , on a random line, bet. secs. 22 and 27.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Intersect the reestablished cor. of secs. 22, 23, 26 and 27.

Thence I run,

S.  $89^{\circ}38'W.$ , on a true line, bet. secs. 22 and 27.

Over level, sandy valley land, along road, through scattering mesquite timber and greasewood brush undergrowth, 4 ft. high, along south side of road.

.40 Road from Paradise Valley to Phoenix, Arizona, brs. N. and S.

39.05 Ranch road, brs. NW. and SE.

40.03<sup>5</sup> 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 22 in N., and

S 27, 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,

N. of cor.

47.00 Jos. Guy Martin's house brs. N. 12.00 chs. dist.

63.20 Dry gulch, 5 lks. wide,  $2\frac{1}{2}$  ft. deep, course S.  $20^{\circ}$  E.

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

Land, level, sandy valley, drains to the south.

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

Light growth bunch grass.

Timber, scattering mesquite.

N.  $0^{\circ}36'E.$ , on a true line, on south half, bet. secs. 21 and 22.

Over level sandy valley land, east side of road, through scattering greasewood brush undergrowth, 3 ft. high.

.05 Road brs. E. and W.

26.30 Frank L. Moore's house, brs. west 3.00 chs. dist.

40.91 Intersect the original  $\frac{1}{4}$  sec. cor. hereinbefore described. I destroy all traces of the old cor., 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 21 in W.,

S 22 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.

Thence I run,

N.  $0^{\circ}24'W.$  on a true line on north half, bet. secs. 21 and 22, continuing measurement.

80.96 Intersect the remains of the original cor. of secs. 15, 16, 21 and 22, previously described. I destroy all traces of the old cor., and reestablish it in the same place as follows:

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 3 N R 4 E in N., and

1914 in S. half;

S 16 in NW.,

Resurvey of the Subdivision lines of Township 3 N., R. 4 E. 53.

Chains.

S 15 in NE.,  
 S 22 in SE., and  
 S 21 in SW. quadrant;  
 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, level, valley, drains to the south and southeast.  
 Soil, rich fine dry sandy clay loam, which wells in  
 the vicinity show to be about 20 ft. deep on clay  
 and gravel subsoil.  
 Light growth bunch grass.  
 No timber.

40.00 S. 89° 45' E., on a random line, bet. secs. 15 and 22.  
 Set temp. 1/4 sec. cor.  
 80.10 Intersect the reestablished cor. of secs. 14, 15, 22 and 23.  
 Thence I run,  
 N. 89° 45' W., on a true line, bet. secs. 15 and 22.  
 Over level, sandy valley land, south side of old road,  
 through scattering mesquite timber and greasewood  
 brush undergrowth, 4 to 6 ft. high.  
 .40 Road from Paradise Valley to Phoenix, Arizona, brs. N. and  
 S.  
 14.30 Dry gulch, 5 lks. wide, 2 ft. deep, course south.  
 39.80 A point 60 lks. south of cor. of wire fence, brs. N. and W.  
 40.05 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for reestablished 1/4 sec. cor., marked on  
 brass cap,

1/4 S 15 in N., and  
 S 22 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, N. of cor. Enter cleared land at  
 this cor., brs. N. and S.  
 67.10 Dry gulch, 5 lks. wide, 2 ft. deep, course south.  
 80.10 The reestablished cor. of secs. 15, 16, 21 and 22.  
 Note: At this cor. at apparent noon, I set off 1° 43 1/2' N.  
 on the decl. arc, and observe the sun on the meridian,  
 the resulting lat. being 33° 36' N.

N. 0° 03' W., on a true line on south half, bet. secs. 15  
 and 16.  
 Over level, sandy valley land, on east side of road.  
 .30 Road brs. E. and W.  
 .40 The southwest corner of wire fence brs. E. and N.  
 31.80 H. I. Lyn's house bears east 3.30 chs. dist.  
 40.18 Intersect the true point for the original 1/4 sec. cor. here-  
 in before described, where I now set an iron post, 3  
 ft. long, 1 in. in diam., 26 ins. in the ground, for  
 reestablished 1/4 sec. cor., marked on brass cap,  
 1/4 S 16 in W.,  
 S 15 in E., and  
 1914 in S. half; from which,  
 The stump of the old bearing tree brs. S. 17° E.,  
 176 lks. dist., marked B T.  
 No other trees available; 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.  
 Thence I run,  
 N. 0° 53' E., on a true line, on north half, bet. secs. 15  
 and 16, continuing measurement.  
 40.50 The NW. cor. of wire fence, bears E. and S.  
 40.75 Ranch road brs. NE. and south.  
 49.80 Dry gulch, 6 lks. wide, 2 ft. deep, course S. 50° E.  
 80.37 At this point, which is 10 lks. east of temp. sec. cor. on

54. Resurvey of Subdivision lines of Township 3 N., R.4 E.

Chains.

temp.N.and S. line, and 11 lks.N.of temp.E.and W.line, I reestablish the sec.cor. as follows:

Set an iron post 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 3 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;

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,level valley, drains to the south.

Soil, rich, dry sandy loam, which wells nearby show to be in the neighborhood of 25 ft. on clay and gravel subsoil.

Light growth bunch grass.

No timber.

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S.89°34'E., on a random line, bet. secs.10 and 15.

40.00 Set temp. 1/4 sec.cor.

80.07 Intersect the reestablished cor.of secs. 10,11,14 and 15.

Thence I run,

N.89°34'W.,on a true line, bet. secs.10 and 15.

Over level sandy and gravelly valley land, through grease-wood brush undergrowth 3 ft.high,and scattering mesquite and palo verde timber.

.29 Road from Paradise Valley to Phoenix, Arizona, brs.N. and S.

4.54 Dry gulch, 15 lks.wide, 2 1/2 ft. deep, course southwest.

29.54 Dry ravine, 10 lks.wide, 2 ft. deep, course south.

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

- 1/4 S 10 in N., and
- S 15 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,N.of cor.

43.35 Fred L.Perrine's house bears north 3.50 chs.dist.

80.07 The reestablished cor.of secs. 9,10,15 and 16.

Land,level valley, drains to the south.

Soil, medium rich dry clay loam, with some gravel 36 ins. deep on dry gravelly clay subsoil..

Light growth bunch grass,

Timber, scattering palo verde and mesquite.

March 25, 1914.

March 30, 1914: At 7h.34 3/4 a.m.,l.m.t., I set off 33° 36 1/2'N. on the lat.arc; 3°38'N. on the decl.arc;and determine a meridian with the solar at the reestablished cor.of secs. 9,10,15 and 16,

Thence I run,

N.0° 40' E., on a true line, bet. secs.9 and 10.

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

23.60 Dry gulch, 5 lks.wide, 2 ft. deep, course S.30°W.

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

- 1/4 S 9 in W.,
- S 10 in E., and



Resurvey of the Subdivision lines of Township 3 N., R.4 E.

Chains.

1914 on 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.  
 53.42 Robert L. Merkley's house, brs. west 11.00 chs. dist.  
 61.90 Dry ravine, 10 lks. wide, 2 ft. deep, course SW.  
 80.38 Intersect the original cor. of secs. 3, 4, 9 and 10, hereinbefore described. I destroy all traces of the old cor., and reestablish it in the same place as follows; 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 3 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;  
 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, level valley, drains to the south.  
 Soil, rich dry, sandy clay loam, about 24 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite and palo verde.

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 S. 89° 25' E., on a random line, bet. secs. 3 and 10.  
 40.00 Set temp. 1/4 sec. cor.  
 80.07 Intersect the reestablished cor. of secs. 2, 3, 10 and 11, Thence I run,  
 N. 89° 25' W., on a true line, bet. secs. 3 and 10.  
 Over level, sandy valley land, drains to the south, through scattering palo verde, ironwood and mesquite timber, and greasewood brush undergrowth, 4 ft. high.  
 5.50 Carl Hook's house brs. N. 4.50 chs. dist.  
 25.15 Dry gulch, 6 lks. wide 3 ft. deep, course SW.  
 40.035 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished 1/4 sec. cor., marked on brass cap,  
 1/4 S 3 in N., and  
 S 10 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, north of cor.  
 41.60 Dry ravine, 10 lks. wide, 3 ft. deep, course south.  
 47.00 Ranch road brs. NW. and SE.  
 70.00 Philip Harder's house brs. N. 12.00 chs. dist.  
 80.07 The reestablished cor. of secs. 3, 4, 9 and 10.  
 Land, level valley, drains to the south.  
 Soil, medium rich dry sandy loam, with some gravel, 24 to 36 ins. deep on clay subsoil.  
 Light growth bunch grass.  
 Timber, mesquite, ironwood, and palo verde.

-----  
 N. 0° 22' E., on a random line, bet. secs. 3 and 4.  
 40.00 Set temp. 1/2 sec. cor.  
 79.43 Intersect the north bdy. of the Tp. at the reestablished cor. of secs. 3 and 4, hereinbefore described.  
 Thence I run,  
 S. 0° 22' W., on a true line, bet. secs. 3 and 4.  
 Over level sandy valley land, through scattering mesquite and palo verde timber and greasewood brush undergrowth, 3 ft. high.

## 56. Resurvey of Subdivision lines of Township 3 N., R.4 E.

Chains.

39.58 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 4 in W.,  
S 3 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 the cor.

61.18 Ranch road, brs. N. 70° W. and S. 70° E.

79.43 The reestablished cor. of secs. 3, 4, 9 and 10.

Land, level valley, drains to the south.

Soil, medium rich coarse dry clay loam, with some gravel on the surface, 24 to 36 ins. deep on dry clay subsoil.

Light growth bunch grass.

Timber, scattering mesquite and palo verde.

March 30, 1914.

March 26, 1914: At 7h, 6m. a.m., l.m.t., I set off 33° 33' N. on the lat. arc; 2° 04' N. on the decl. arc; and determine a meridian with the solar at the original cor. of secs. 4, 5, 32 and 33 on south bdy. of Tp. hereinbefore described.

Thence I run,

N. 0° 2' E., on a true line, on south half, bet. secs. 32 and 33.

Descend abrupt rocky NE. slope of spur over mountainous land, through scattering palo verde timber and greasewood brush undergrowth, 3 ft. high.

25.00 Foot of abrupt descent; leave mountainous land, brs. NW. and SE. Enter rolling stony valley land.

28.50 Ranch road, brs. N. 70° W. and S. 70° E.

39.97 Intersect the original  $\frac{1}{4}$  sec. cor. hereinbefore described; I destroy all evidence of the old cor., 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 32 in W.,  
S 33 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.

Thence I run,

N. 0° 9' W., on a true line on north half, bet. secs. 32 and 33, continuing measurement.

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

75.00 Enter dense mesquite thicket, brs. E. and W.

80.12 At this point, which is 4 lks. W. of the temp. sec. cor. on temp. N. and S. line, 106 lks. N. of the temp. sec. cor., on temp. E. and W. line, I reestablish the sec. cor. as follows:

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 3 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 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, west of cor.

Resurvey of the Subdivision lines of Township 3 N., R. 4 E. 57

Chains

S.25.00 chs., mountainous.  
 Soil, stony, worthless.  
 North, 55.12 chs., rolling valley.  
 Soil, stony clay loam, 12 to 24 ins. deep on stony clay  
 subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde and mesquite.

40.00 S.87°58'E., on a random line, bet. secs. 28 and 33.  
 79.34 Set temp.  $\frac{1}{4}$  sec.cor.  
 Intersect the reestablished cor.of secs. 27,28,33 and 34.  
 Thence I run,  
 N.87°58'W., on a true line, bet.secs.28 and 33.  
 Over rolling, sandy valley land, through scattering mes-  
 quite timber and greasewood brush undergrowth, 4 ft.  
 high.  
 34.25 Enter dense mesquite thicket, brs.N.and S.  
 36.45 Dry gulch, 5 lks.wide, 2 ft. deep, course SE.  
 39.67 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,

1 S 28 in N., and  
 S 33, 1914 in S.half;  
 no trees large enough 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.

44.55 Dry gulch, 5 lks.wide, 3 ft. deep, course SE.  
 66.20 Ranch road, brs.NW. and SE.  
 79.34 The reestablished cor. of secs. 28,29, 32 and 33.  
 Land, rolling valley, drains to the SE.  
 Soil, medium rich, dry sandy and gravelly clay loam,18  
 to 24 ins. deep on clay and stony subsoil.  
 Light growth bunch grass.  
 Timber, mesquite.

35.00 N.0°3'W., on a true line, bet. secs.28 and 29.  
 39.45 Over rolling, sandy valley land, drains to the SE.,  
 40.15 through dense mesquite timber and brush undergrowth.  
 Leave dense mesquite thicket, brs.E.and W.  
 Oliver S.Walden's house brs.west 90 lks.dist.  
 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 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 raised a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high,  
 west of cor.

40.20 No trees available.  
 45.00 Ranch road, brs. N.50°W. and S.50°E.  
 80.30 Cora C. Latourrette's house brs. west 1.50 chs.dist.  
 Intersect the original corner of secs.20,21,28 and 29,  
 hereinbefore described. I destroy all traces of the  
 old cor., and reestablish it in the same place as  
 follows:  
 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins.in  
 the ground for the cor.of secs. 20,21,28 and 29,  
 marked on brass cap,

T 3 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;

## 58. Resurvey of the Subdivision lines of Township 3 N. R.4 E.

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, W. of cor.

Land, rolling valley, drains to the southeast.

Soil, rich, fine dry sandy loam, 24 to 36 ins. deep on dry clay subsoil.

Light growth bunch grass.

Timber, mesquite.

40.00 S.  $87^{\circ}51'$  E., on a random line, bet. secs. 21 and 28.  
Set temp.  $\frac{1}{4}$  sec. cor.

79.58 Intersect the reestablished corner of secs. 21, 22, 27 and 28.

Thence I run,

N.  $87^{\circ}51'$  W., on a true line, bet. secs. 21 and 28.

Over rolling, sandy valley land, drains to the southeast, through scattering mesquite timber and dense greasewood brush undergrowth, 4 to 6 ft. high.

.15 Road from Paradise Valley to Phoenix, Arizona, brs. N. and S.

39.79 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 21 in N., and

S 28, 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.

62.40 Enter road, brs. SE. and W.; thence in road.

67.10 Leave road, brs. NW.

72.30 Ranch road brs. N. and S.

79.58 The reestablished cor. of secs. 20, 21, 28 and 29.

Land, rolling valley, drains to the southeast.

Soil, rich fine dry, sandy clay loam, 24 to 48 ins. deep on dry clay subsoil.

Light growth bunch grass.

Timber, mesquite.

N.  $0^{\circ}05'$  E., on a true line, on south half, bet. secs. 20 and 21.

Over nearly level sandy valley land, along road, through scattering mesquite timber and greasewood brush undergrowth, 4 ft. high.

12.90 Ranch road, brs. NW. and SE.

37.70 William J. Sutherland's house brs. east 12.00 chs. dist.

39.96 Intersect the original  $\frac{1}{4}$  sec. cor., hereinbefore described.

I destroy all traces of the old cor., 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 20 in W.,

S 21 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.

Note: At this cor., I set off  $2^{\circ}07'$  N. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of  $33^{\circ}35'$  N. on the lat. arc.

Thence I run,

N.  $0^{\circ}15'$  W., on a true line, on north half, bet. secs. 20 and 21, continuing measurement.

42.00 Ranch road, brs. NW. and SE.

51.96 Frank T. Lyons' house brs. east 15.00 chs. dist.

Resurvey of Subdivision lines of Township 3 N. R. 4 E. 39.

Chains.

60.06 Ranch road brs.NW. and SE.  
 80.00 Intersect the remains of the original corner of secs.16, 17,20 and 21, hereinbefore described. I destroy all traces of the old corner, and reestablish it in the same place as follows:  
 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 3 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;  
 no 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, drains to the south.  
 Soil, rich fine dry, sandy loam, 3 to 12 ft.deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite.

40.00 S.88°30'E., on a random line, bet. secs.16 and 21.  
 79.80 Set temp.¼ sec.cor.  
 79.80 Intersect the reestablished cor.of secs.15,16,21 and 22. Thence I run,  
 N.88°30'W., on a true line, bet. secs.16 and 21.  
 Over level sandy valley land, along south side of road, through scattering greasewood brush, 4 ft.high.  
 9.20 Dry gulch, 5 lks.wide, 2 ft. deep, course south.  
 39.90 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished ¼ sec.cor., marked on brass cap,  
     ¼ S 16 in N., and  
     S 21 1914 in S.half;  
 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.  
 79.80 The reestablished cor.of secs. 16,17,20 and 21.  
 Land,level valley, drains to the south.  
 Soil, rich dry sandy loam, 3 to 25 ft. deep on clay and gravel subsoil.  
 Light growth bunch grass.  
 No timber.

N.0°12'E., on a true line, bet. secs.16 and 17.  
 Over level sandy valley land, through scattering greasewood brush 2 to 5 ft.high.  
 1.30 Road brs.E. and W.  
 39.20 Ranch road, brs. NE. and SW.  
 39.72 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished ¼ sec.cor., marked on brass cap,  
     ¼ S 17 in W.,  
     S 16 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 3½ ft. base, 1½ ft. high, west of cor.  
 48.90 Dry gulch, 5 lks.wide, 2 ft. deep, course SE.  
 79.44 At this point, which is 30 lks.west of the temp.sec. cor1 on temp. N.and S. line, and 72 lks. N.of temp. sec.cor. on temp.E.and W.line, I reestablish sec.cor. as follows:

## 60. Resurvey of the Subdivision lines of Township 3 N., R. 4 E.

Chains

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 3 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;

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 10 ft. deep on clay subsoil.

Light growth bunch grass.

No timber.

S.  $89^{\circ}13'E.$  on a random line, bet. secs. 9 and 16.

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

80.07 Intersect the reestablished cor. of secs. 9, 10, 15 and 16.

Thence I run,

N.  $89^{\circ}13'W.$ , on a true line, bet. secs. 9 and 16.

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

15.30 Ranch road, brs. NW. and SE. in depression brs. N. and S.

40.035 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 9 in N., and  
S 16 1914 in S. half;

no trees within limits suitable for bearing trees; 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.

80.07 The reestablished cor. of secs. 8, 9, 16 and 17.

Land, level valley, drains to the south.

Soil, rich dry, sandy clay loam, with some gravel on the surface, 3 to 16 ft. deep on dry clay subsoil.

Light growth bunch grass.

Timber, scattering palo verde and mesquite.

March 26, 1914.

March 30, 1914: At 11h. 05m., a.m., l.m.t., I set off  $33^{\circ}36\frac{1}{2}'N.$  on the lat. arc;  $3^{\circ}40'N.$  on the decl. arc, and determine a meridian with the solar at the reestablished cor. of secs. 8, 9, 16 and 17.

Thence I run,

N.  $0^{\circ}38'E.$ , on a true line, bet. secs. 8 and 9.

Over level, sandy valley land, through scattering mesquite timber and greasewood brush undergrowth, 4 ft. high.

37.90 Russell McDaniel's house brs. east 12.00 chs. dist.

39.72 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 8 in W.,  
S 9 in E., and  
1914 in S. half;

no trees large enough 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 corner.

Resurvey of Subdivision lines of Township 3 N. R. 4 E. 61

Chains.

79.44 Intersect the remains of the original cor. of secs.4,5, 8 and 9, hereinbefore described. I destroy all traces of this old cor., and reestablish in same place as follows:  
 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 3 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 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, level valley, drains to the south.  
 Soil, rich dry sandy loam, with some gravel, 18 to 36 ins. deep on hard clay subsoil.  
 Light growth bunch grass.  
 Timber, mesquite.  
 Note: At this corner, I set off 3°41'N. on the decl. arc; and at apparent noon, observe the sun on the meridian, and obtain a reading of 33° 38'N.on the lat.arc;

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40.00 S.89°52'E., on a random line, bet. secs.4 and 9.  
 Set temp. 1/4 sec.cor.  
 80.10 Intersect the reestablished cor.of secs.3,4,9 and 10.  
 Thence I run,  
 N.89°52'W., on a true line, bet. secs.4 and 9.  
 Over level, sandy valley land, through scattering palo verde and mesquite timber and greasewood brush undergrowth, 2 to 4 ft.high.  
 19.30 Road to Phoenix, Arizona, br's. NW. and SE.  
 23.30 Dry gulch, 15 lks.wide, 3 ft. deep, course south.  
 40.05 Set an iron post 3 ft.long, 1 in.in diam., 26 ins.in the ground for reestablished 1/4 sec.cor.marked on brass cap,  
 S 4 in N., and  
 S 9, 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.  
 44.70 Dry gulch, 5 lks.wide, 2 ft. deep, course SW.  
 80.10 The reestablished cor.of secs.4,5,8 and 9.  
 Land, level valley, drains to the south.  
 Soil, medium rich dry, sandy clay loam, with some gravel 24 to 36 ins. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde and mesquite.

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40.00 N.0°07'E., on a random line, bet, secs.4 and 5.  
 Set temp. 1/4 sec.cor.  
 79.78 Intersect N.bdy.of Tp.at the reestablished cor.of secs. 4 and 5,hereinbefore described.  
 Thence I run,  
 S.0°07'W., on a true line, bet. secs.4 and 5.  
 Over level, sandy valley land, drains to the south, through scattering mesquite timber and greasewood brush undergrowth, 3 ft. high.  
 2.03 Dry gulch, 5 lks.wide, 2 ft. deep, course SW.  
 16.56 Dry ravine, 10 lks.wide, 3 ft. deep, course SW.  
 28.48 Irrigating ditch 6 lks.wide, course SW. Leave timber, E. and W.

62. Resurvey of the Subdivision lines of Township 3 N. R. 4 E.  
Chains.

- 32.60 Wire fence brs. N.60°W., 2.00 chs. and S.60°E., 12.00 chs. dist.; enter cultivated land.
- 39.71 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. 5 in W.,  
 S 4 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, W. of corner.
- 44.85 Wire fence brs. N.60°W., 2.50 chs., and S.60°E., 12.00 chs. dist., Leave cultivated land; enter greasewood brush undergrowth 3 ft. high.
- 46.75 Dry ravine, 15 lks. wide, 3 ft. deep, course SW?
- 79.78 The reestablished cor. of secs. 4, 5, 8 and 9.  
 Land, level valley, drains to the south and southwest.  
 Soil, medium rich dry, gravelly clay loam, 24 to 36 ins. deep on clay and gravelly subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite, ironwood and palo verde.  
 March 30, 1914.

March 27, 1914: At 7h. 5m. 40secs. a.m., 1.m.t., I set off 33°33' N. on the lat. arc; 2°28' N. on the decl. arc; and determine a meridian with the solar at the reestablished cor. of secs. 5, 6, 31 and 32 on the south bdy. of Tp. hereinbefore described.

Thence I run,

N. 0°12' E., on a true line, bet. secs. 31 and 32.

Over stony land, slopes to the NE., through scattering mesquite and palo verde timber and greasewood brush undergrowth, 4 ft. high.

- 18.60 Dry ravine, 20 lks. wide, 6 ft. deep, course NE. Ascend. SE. slope of spur covered with loose rock, over mountainous land; ascend 100 ft. to

24.45 Top of spur, brs. E. and W. Descend abruptly over N. slope.

34.00 Foot of abrupt descent in valley. Leave mountainous land, brs. E. and W. Enter rolling, stony valley land.

34.30 Dry ravine, 10 lks. wide, 8 ft. deep, course east.

- 40.455 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 31 in W.,  
 S 32 in E., and  
 1914 in S. half;

no trees suitable for bearing trees available. Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

Pits impracticable.

- 80.91 Intersect the original cor. of secs. 29, 30, 31 and 32, hereinbefore described; I destroy all traces of the old cor., and reestablish it in the same place as follows:

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 3 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;

no trees suitable for bearing trees within limits; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

Pits impracticable.

Land, rolling and mountainous.

Soil, of south 34 chs. worthless.



Resurvey of the Subdivision lines of Township 3 N. R. 4 E. 63

Chains.

Soil, of north 46 chs. stony, clay loam, 6 to 12 ins. deep on stony clay subsoil.  
Timber, scattering palo verde and mesquite.

- 40.00 S.89°30'E., on a random line, betl secs.29 and 32.
- 79.16 Set temp. 1/4 sec.cor.
- 79.16 Intersect the reestablished cor.of secs.28,29,32 and 33. Thence I run,
- 14.06 N.89°30'W., on a true line, bet. secs.29 and 32. Over rolling sandy and gravelly valley land, drains to the southeast, through mesquite and palo verde timber and greasewood brush undergrowth 4 to 6 ft.high.
- 39.58 Road from Paradise Valley to Phoenix, Arizona, brs.N. and S.
- 39.58 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished 1/4 sec.cor., marked on brass cap,  
1/4 S 29 in N., and  
S 32, 1914 in S.half;  
no trees large enough 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, north of cor.
- 79.16 The reestablished cor.of secs. 29,30, 31 and 32. Land, rolling valley, drains to the southeast. Soil, dry, sandy and gravelly clay loam, about 36 ins. deep on dry clay and gravelly subsoil. Light growth bunch grass. Timber, scattering palo verde and mesquite.

- 40.00 S.89° 56' W., on a random line, bet. secs.30 and 31.
- 82.44 Set temp. 1/4 sec.cor.
- 82.44 Intersect west bdy.of Tp. at the original cor.of secs. 25,30,31 and 36, hereinbefore described. Thence I run,
- 7.00 N.89°56'E., on a true line, bet. secs.30 and 31. Ascend abruptly over NW. slope of spur, over mountainous land, covered with large malpais boulders, through scattering palo verde timber and greasewood brush undergrowth, 3 ft. high.
- 37.90 Top of abrupt ascent; ascend gradually.
- 42.23 Top of spur, 300 ft. above the sec.cor., brs.N.30°E. and S.30°W.; descend abruptly over SE. slope.
- 42.23 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished 1/4 sec.cor., marked on brass cap,  
1/4 S 30 in N., and  
S 31, 1914 in S.half;  
no trees available; raise a mound of stone 2 ft. base, 1 1/2 ft. high, north of cor. Pits impracticable.
- 67.00 Foot of descent; leave mountainous land, brs.NE. and SW. Enter rolling, stony valley land.
- 68.30 Dry ravine, 10 lks.wide, 12 ft. deep, course NE.
- 82.44 The reestablished cor.of secs. 29,30, 31 and 32. West 67 chs., rough mountains. Soil, stony worthless. East 15.44 chs. rolling valley, drains to the NE. Soil, poor stony clay loam, 6 to 14 ins. deep on dry stony clay subsoil. Light growth bunch grass. Timber, scattering palo verde and mesquite.

## 64. Resurvey of the Subdivision lines of Township 3 N. R. 7 E.

Chains.

- 4E
- N.0°33' W., on a true line, bet. secs.29 and 30.  
Over rolling stony valley land, through scattering palo verde, and mesquite timber and greasewood brush undergrowth, 4 to 6 ft.high.
- 39.77 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 30 in W.,  
 S 29 in E., and  
 1914 in S.half;  
 no trees suitable for bearing trees available; 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.
- 42.80 Dry ravine, 10 lks.wide,  $1\frac{1}{2}$  ft. deep, course east.  
79.54 At this point, which is 49 lks.west of the temp. sec.cor. on temp,N.and S. line, and 12 lks.S. of the temp.sec. cor. on temp.E. and W.line, I reestablish this sec. cor.as follows:  
 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 3 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 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, drains to the southeast.  
 Soil, gravelly clay loam, 18 to 24 ins. deep on gravelly clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde and mesquite.
- 
- 40.00 S.89°56' E., on a random line, bet. secs.20 and 29.  
79.88 Set temp. $\frac{1}{4}$  sec.cor.  
 Intersect the reestablished cor. of secs.20,21,28 and 29. Thence I run,  
 N.89°56' W., on a true line, bet. secs.20 and 29.  
 Over level sandy valley land, drains to the southeast, through scattering palo verde and mesquite timber and greasewood brush undergrowth, 4 to 6 ft.high.
- 28.05 Ranch road, brs.NW. and SE.  
30.00 Enter dense mesquite timber, brs.N.and S.  
39.94 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 20 in N., and  
 S 29, 1914 in S. half;  
 no trees large enough 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.
- 43.00 Leave dense mesquite thicket, brs.N.and S.  
79.88 The reestablished cor.of secs. 19,20,29 and 30.  
 Land, level valley drains to the southeast; soil,rich dry sandy loam, 12 ins. deep on dry gravelly clay subsoil.  
 Light growth bunch grass.  
 Timber, mesquite and palo verde.
- 
- N.89°42' W., on a random line, on east half, bet.secs.19 and 30.

Resurvey of the Subdivision lines of Township 3 N., R. 4 E. 65.

Chains  
 39.94 Intersect the original  $\frac{1}{4}$  sec.cor. hereinbefore described. Thence I run, N.89°53'W., on a random line, on west half, bet. secs.19 and 30, continuing measurement; and at  
 82.15 Intersect west bdy.of Tp. at the original cor.of secs. 19,24,25 and 30, hereinbefore described. Thence I run, S.89°53'E., on a true line on west half, bet. secs.19 and 30.  
 Over stony and gravelly valley land, slopes to the southeast, through scattering mesquite and plao verde timber and greasewood and cactus undergrowth.  
 8.25 Dry ravine, 10 lks.wide, 2 ft. deep, course NE.  
 39.00 Ben McDaniel's house, brs.north, 20.00 chs.dist.  
 39.33 Ranch road brs.N.and S.  
 42.21 Intersect the original  $\frac{1}{4}$  sec.cor. hereinbefore described. I destroy all traces of the old cor., 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 19 in N., and  
 S 30, 1914 in S.half;  
 no trees suitable for bearing trees available; 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 corner.  
 Thence I run,  
 S.89° 42'E., on a true line, on east half, bet. secs. 19 and 30, continuing measurement.  
 44.00 Ellen McDaniel's house brs.north about 20.00 chs. dist.  
 56.05 Dry ravine, 25 lks.wide, 3 ft. deep, course NE.  
 63.50 Dry ravine, 20 lks.wide, 2 ft. deep, course NE.  
 70.43 Dry ravine 05 lks.wide,  $1\frac{1}{2}$  ft. deep, course NE.  
 82.15 The reestablished cor.of secs. 19,20,29 and 30.  
 Land, rolling valley, drains to the NE.  
 Soil, poor, stony clay loam, 12 to 24 ins.deep on dry stony clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde and mesquite.

N.0°06' E., on a true line, bet. secs.19 and 20.  
 Over nearly level sandy and gravelly valley land, slopes to the NE., through scattering palo verde and mesquite timber and greasewood brush undergrowth, 6 ft.high.  
 9.95 Dry ravine, 8 lks.wide,  $2\frac{1}{2}$  ft. deep, course east.  
 21.40 Road to Phoenix, Arizona, brs.E.and W.  
 30.20 Dry ravine, 10 lks.wide, 2 ft. deep, course S.89°E.  
 37.30 Dry ravine, 12 lks.wide,  $2\frac{1}{2}$  ft. deep, course S.60°E.  
 39.77 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 19 in W.,  
 S 20 in E., and  
 1914 in S.half;  
 no tress 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.  
 40.65 Road to Phoenix, Arizona, brs.E.and W.  
 77.20 Ranch road, brs. NW. and SE.  
 79.54 At this point, which is 10 lks.west of temp. sec.cor. on temp. N.and S.line, and 22 lks.S.of temp.sec.cor.on temp. E.and W. line, I reestablish the sec.cor. as follows:  
 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 3 N R 4 E in N., and  
 1914 in S.half;  
 S 18 in NW.,  
 S 17 in NE.,

## 66. Resurvey of Subdivision lines of Township 3 N., R. 4 E.

Chains.

- S 20 in SE., and  
S 19 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 the cor.  
Land, rolling valley, drains to the east and southeast.  
Soil, rich fine dry sandy loam, about 36 ins. deep on  
dry, clay subsoil.  
Light growth bunch grass.  
Timber, scattering palo verde and mesquite.  
Note: At this cor., I set off 2°31' N. on the decl. arc;  
and at apparent noon, observe the sun on the meridian,  
the resulting latitude being 33°35' N.
- 
- 40.00 N. 89°47'E., on a random line, bet. secs. 17 and 20.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.62 Intersect the reestablished cor. of secs. 16, 17, 20 and 21.  
Thence I run,  
S. 89°47'W., on a true line, bet. secs. 17 and 20.  
Over level sandy valley land, along south side of road.  
39.81 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 17 in N., and  
S 20, 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 cor.  
79.62 The reestablished cor. of secs. 17, 18, 19 and 20.  
Land, level valley, drains to the southeast.  
Soil, rich, fine dry sandy loam, which wells dug nearby  
show to be from 6 to 20 ft. deep on clay and gravel  
subsoil.  
No timber.
- 
- 40.00 N. 89° 55'W., on a random line, bet. secs. 18 and 19.  
Set temp.  $\frac{1}{4}$  sec. cor.  
82.83 Intersect west bdy. of Tp. at the original cor. of secs.  
13, 18, 19 and 24, hereinbefore described.  
Thence I run,  
S. 89°55'E., on a true line, bet. secs. 18 and 19.  
Over level, sandy valley land along road.  
15.00 Dry ravine, 10 lks. wide, course S. 15°W.  
31.60 Richard J. Truitt's house, brs. S. 2.50 chs. dist.  
32.00 Ben F. Berg's house brs. north about 15.00 chs. dist.  
43.02 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 18 in N., and  
S 19, 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 cor.  
Road brs. south from this cor.  
61.00 William N. Salter's house brs. north about 15.00 chs. dist.  
61.20 Robert Hatcher's house brs. south 5.00 chs. dist.  
80.82 Ranch road, brs. NW. and SE.  
82.75 Road brs. E. and S.  
82.83 The reestablished cor. of secs. 17, 18, 19 and 20.  
Land, level valley drains to the southeast.  
Soil, rich fine dry sandy clay loam, 6 to 25 ft. deep  
on clay and gravel subsoil.  
No timber.
-

Resurvey of the Subdivision lines of Township 3 N., R.4 E. 67.

Chains.

N.0°07' W.on a true line, bet. secs.17 and 18.  
 Over level sandy valley land, along east side of road.  
 Road to Phoenix, Arizona, brs.E.and W.  
 .15 Ranch road, brs.E.and W.  
 25.62  
 39.77 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 18 in W.,  
 S 17 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.  
 58.22 Road brs.NE. and SW.  
 79.42 Road to Montgomery, Arizona, brs.E.and W.  
 79.54 Intersect the original cor. of secs. 7,8,17 and 18, here-  
 inbefore described. I destroy all traces of the  
 old cor., and reestablish it in the same place as  
 follows:  
 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in  
 the ground, for cor.of secs.7,8,17 and 18, marked on  
 brass cap,  
 T 3 N, R 4 E in N., and  
 1914 in S.half;  
 S 7 in NW.,  
 S 8 in NE.  
 S 17 in SE., and  
 S 18 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,W.  
 of cor.  
 Land, level valley, drains to the south.  
 Soil, rich, fine dry sandy loam, 6 to 20 ft.deep on dry  
 clay subsoil.  
 Light growth bunch grass.  
 No timber.  
 Note: From this corner, Nos. Alexander's house brs.  
 N.62 $\frac{1}{2}$ °E., 12.50 chs.dist.

N.89°50' E., on a random line, bet. secs.8 and 17.  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 80.07 Intersect the reestablished corner of secs.8,9, 16 and  
 17.  
 Thence I run,  
 S.89°50'W., on a true line, bet. secs.8 and 17.  
 Over level sandy valley land, through scattering mes-  
 quite and palo verde timber, and greasewood brush  
 undergrowth, 2 to 5 ft.high along dim road to the  
 south.  
 40.035 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 8 in N., and  
 $\frac{1}{4}$  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.  
 68.00 Joseph Alexander's house brs.N.5.50 chs.  
 80.07 The reestablished cor.of secs. 7,8,17 and 18.  
 Land, level valley, drains to the south.  
 Soil, medium rich, dry sandy and gravelly clay loam, 3  
 to 10 ft. deep on dry clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering palo verde and mesquite.

N.88°41'W., on a random line, bet. secs.7 and 18.

## 68. Resurvey of Subdivision lines of Township 3 N., R. 3 E.

Chains.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 83.19 Intersect west bdy. of the Tp., at the reestablished cor. of secs. 7, 12, 13 and 18, hereinbefore described.  
 Thence I run,  
 S.  $83^{\circ}41'E.$ , on a true line, bet. secs. 7 and 18.  
 Over level sandy valley land.  
 .20 Road to Phoenix, Arizona, brs. N. and S.  
 5.00 Enter scattering mesquite timber, brs. N. and S. on north side of road, brs. E. and W.  
 43.14 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 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 corner.  
 83.19 The reestablished cor. of secs. 7, 8, 17 and 18.  
 Land, level valley, drains to the south.  
 Soil, rich dry clay loam, about 4 ft. deep on dry hard clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite.  
 March 27, 1914.

March 30, 1914: At 2h. 30m. p.m., 1. mt., I set off  $33^{\circ}36\frac{1}{2}'N.$  on the lat. arc;  $3^{\circ}43\frac{1}{2}'N.$  on the decl. arc; and determine a meridian with the solar at the reestablished cor. of secs. 7, 8, 17 and 18,

- Thence I run,  
 N.  $0^{\circ}15'E.$ , on a true line, bet. secs. 7 and 8.  
 Over level, sandy valley land, through scattering mesquite timber and greasewood brush undergrowth 3 ft. high.  
 40.115 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 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, W. of cor.  
 45.00 Robert J. Baker's house brs. east 5.00 chs. dist.  
 74.10 Road to ranch brs. NW. and SE.  
 80.23 At a point 8 lks. east of temp. sec. cor. on temp. N. and S. line, and 55 lks. south of temp. cor. on temp. E. and W. line, I reestablish the sec. cor., as follows:  
 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 3 N R 4 E in N., and  
 1914 in S. half;  
 S 6 in NW., S 5 in NE.,  
 S 8 in SE., and  
 S 7 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, level, sandy valley, drains to the southeast.  
 Soil, rich fine dry sandy clay loam, with some gravel 4 to 10 ft. deep on dry hard clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite.

## Resurvey of the Subdivision lines of Township 3 N., R. 4 E. 69

Chains.

- S.89°40'E., on a random line, bet. secs.5 and 8.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.54 Intersect the reestablished cor.of secs.4,5,8 and 9.  
 Thence I run,  
 N.89°40'W. on a true line, bet. secs.5 and 8.  
 Over level, sandy valley land,through scattering mesquite  
 timber and greasewood brush undergrowth, 3 ft.high.  
 23.80 Dry gulch, 10 lks.wide, 2 ft. deep, course SW.;thence  
 south.  
 40.27 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 5 in N., and  
 S 8,1914 in S.half;  
 no trees suitable for bearing trees available. 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.  
 80.54 The reestablished cor.of secs. 5,6,7 and 8.  
 Land,level valley, drains to the southeast.  
 Soil, medium rich dry gravelly clay loam, 4 to 6 ft.deep  
 on dry hard clay subsoil.  
 Light growth bunch grass.  
 Timber, scattering mesquite.

- N.88°52'W., on a random line, bet. secs.6 and 7.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 84.16 Intersect the west bdy.of Tp., at the reestablished cor.  
 of secs.1,6,7 and 12, hereinbefore described.  
 Thence I run,  
 S,88°52'E., on a true line, bet. secs.6 and 7.  
 .15 Road from Camp Creek, to Phoenix, Arizona, brs.N.and  
 S.  
 Enter scattering mesquite and ironwood timber and grease-  
 wood brush undergrowth, 4 ft.high.  
 36.19 Oliver Compert's house brs.south 2.50 chs.dist.  
 37.05 Road from the Verde Valley to Phoenix, Arizona, brs.NE.  
 and SW.  
 43.93 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 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 earth  
 $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.  
 62.20 Road from the Verde Valley to Phoenix,Arizona, brs.NE.  
 and SW.  
 84.16 The reestablished cor.of secs. 5,6,7 and 8.  
 Land,level valley, drains to the south and southeast.  
 Soil, rich fine dry, sandy loam, mixed with considerable  
 clay and gravel, 3 to 8 ft.deep on dry hard clay  
 subsoil.  
 Light growth bunch grass.  
 Timber, scattering ironwood and mesquite.

- N. 0°09'E., on a random line, bet. secs.5 and 6.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.77 Intersect north bdy.of Tp., at the reestablished cor.  
 of secs.5 and 6, hereinbefore described.  
 Thence I run,

70. Resurvey of the Subdivision lines of Township 3 N., R. 4 E.  
Chains.

- S.  $0^{\circ}09'$  W., on a true line, bet. secs. 5 and 6.  
Over level sandy valley land, drains to the southeast,  
through scattering mesquite and greasewood brush 4 to  
ft. high.
- 2.52 Road from Paradise Valley to Phoenix, Arizona, brs. E. and  
W.
- 21.22 Dry gulch, 6 lks. wide,  $1\frac{1}{2}$  ft. deep, course SW.
- 39.66 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 6 in W.,  
S 5 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.
- 61.32 Road from the Verde Valley to Phoenix, Arizona, brs. NE.  
and SW.
- 79.77 The reestablished cor. of secs. 5, 6, 7 and 8.  
Land, level valley, drains to the southeast.  
Soil, rich dry clay loam, with considerable gravel, 3 to  
6 ft. deep on dry hard clay subsoil.  
Light growth bunch grass.  
Timber, scattering mesquite.
- March 30, 1914.

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GENERAL DESCRIPTION.

With the exception of a portion of the land in sections 30, 31, and 32, which is mountainous, this township is nearly all level and rolling valley land, the soil ranging from loose disintegrated rock to rich loam. The soil of the valley land is a rich dry sandy loam, which varies in depth from 12 ins. to several feet, and is underlaid with clay and gravel subsoil. The soil of the mountainous portion of the township is so stony as to be unfit for agricultural purposes. Dry farming is being engaged in at the present time by many of the settlers with limited success; the principal crops being cereals such as barley and rye, which can be planted during the rainy season in winter, and mature early in the summer season. To insure the successful farming and abundant production of crops of which the land in this township is capable, irrigation will be necessary.

Nearly the entire township is covered with a scattering growth of mesquite, ironwood, and palo verde timber, too small and scrubby to be of any value except for wood for domestic use. Furthermore, nearly all of the trees of any size have been cut down and carried away.

The only water in the township is obtained from wells varying in depth from 40 ft. in the southern part to 250 ft. in the northern part.

Nearly all of the land in the township has been entered either as homesteads or Desert Land claims by the settlers who are residing on the land at the present time.

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

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CERTIFICATE OF ASSISTANTS.  
(Same applies to books "D" and "E")

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,  
Sidney E. Blout, U. S. Surveyor, during the periods and in the capacities  
retracing and resurveying the North, East,  
South, and West boundaries and Subdivision lines of T. 3 N., R. 4 E.  
and the West bdy of T. 4 N., R. 4 E., and in surveying all those parts or portions of  
The subdivision lines of T. 3 N., R. 5 E., and subdivision lines of  
T. 4 N., R. 4 E.

the Gila and Salt River Meridian, in the State of Arizona  
and notes in books "D" and "E"  
which are represented in the foregoing field notes, as having been executed by him, and under his direction;  
and that said retracements,  
resurveys and surveys have been, in all respects, to the best of our knowledge and belief, well and  
thfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<i>E. J. Linn</i>	March 3, 1914.	May 31, 1914.	Head Chainman
<i>J. Y. White</i>	June 1, 1914	Nov. 4, 1914	Head Chainman
<i>W. D. Alexander</i>	March 3, 1914	May 31, 1914.	Rear Chainman
<i>J. B. Kistley</i>	June 1, 1914	June 28, 1914.	Moundman
<i>George Henry</i>	March 3, 1914	May 31, 1914.	Axman
	March 3, 1914	June 16, 1914	Flagman
	June 1, 1914	Nov. 4, 1914.	Rear Chainman
	March 3, 1914.	May 31, 1914	Moundman

Subscribed and certified to before me on the dates of the final service as shown above.

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

2827

FINAL OATH OF UNITED STATES SURVEYOR.  
(Same applies to books "D" and "E")

I, Sidney E. Blout, U. S. Surveyor, do solemnly swear that, in pursuan  
of special instructions received from the U. S. Surveyor General for Arizona for Group 31  
bearing date of the 24th day of October, 1913, 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, <sup>retraced and resurveyed</sup> all those parts or portions of the North  
South, East and West boundaries and Subdivision lines of T. 3 N., R. 4 E., ~~and~~  
and the West boundary of T. 4 N., R. 4 E., and surveyed all those parts or portions of  
the subdivision lines of T. 3 N., R. 5 E. and  
T. 4 N., R. 4 E.

of the Gila and Salt  
River Meridian, in the State of Arizona, which are represent  
<sup>and those in books "D" and "E"</sup>  
the foregoing field notes <sup>as</sup> having been executed by me, and under my direction; and I do further  
solemnly swear that all the corners of said <sup>and surveys</sup> ~~resurveys~~ <sup>established</sup> ~~have been reestablished~~ and perpetuated in strict accor  
ance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor  
General for Arizona for Group 31 and in the specific manner described in the field notes, and that  
<sup>and notes in books "D" and "E"</sup>  
the foregoing are the original field notes of such retracements, resurveys and surveys.

Sidney E. Blout  
U. S. Surveyor

Subscribed by said Sidney E. Blout, and sworn to before me }  
this 8th day of March, 1914.



Frank A. Ingalls  
Surveyor General of Arizona.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Phoenix Arizona October 21, 1915

The foregoing field notes of the Resurvey of N 1/2 of West bdy., Retracement of S 1/2  
or West bdy., Retracement & Resurvey of North bdy., Retracement &  
Resurvey of South bdy., Retracement of East bdy., Resurvey of Part  
of East bdy., and Retracement & Resurvey of the Subdivision lines of  
Township 3 North, Range 4 East  
of the Gila & Salt River Base & 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, ~~and~~ having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
retracements and resurveys they describe, are hereby approved.  
~~they describe, are hereby approved.~~

Frank A. Ingalls  
Surveyor General  
of Arizona.

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