

2902

Book "L."
4-679

145
①
March 5-1911

(Subdivisions)

BOOK 2902

FIELD NOTES

OF THE SURVEY OF THE

PARTIAL SUBDIVISION

OF

TOWNSHIP 9 SOUTH, RANGE 4 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn, U. S. Surveyor,

and

W. K. Kierulff, U.S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated July 29, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 38, which were approved by the Commissioner of the General Land

Office, September 5, 1914.

Survey commenced March 18, 1915.

Survey completed March 23, 1915.

Special Order assignment
Instructions dated Sept. 30, 1914.

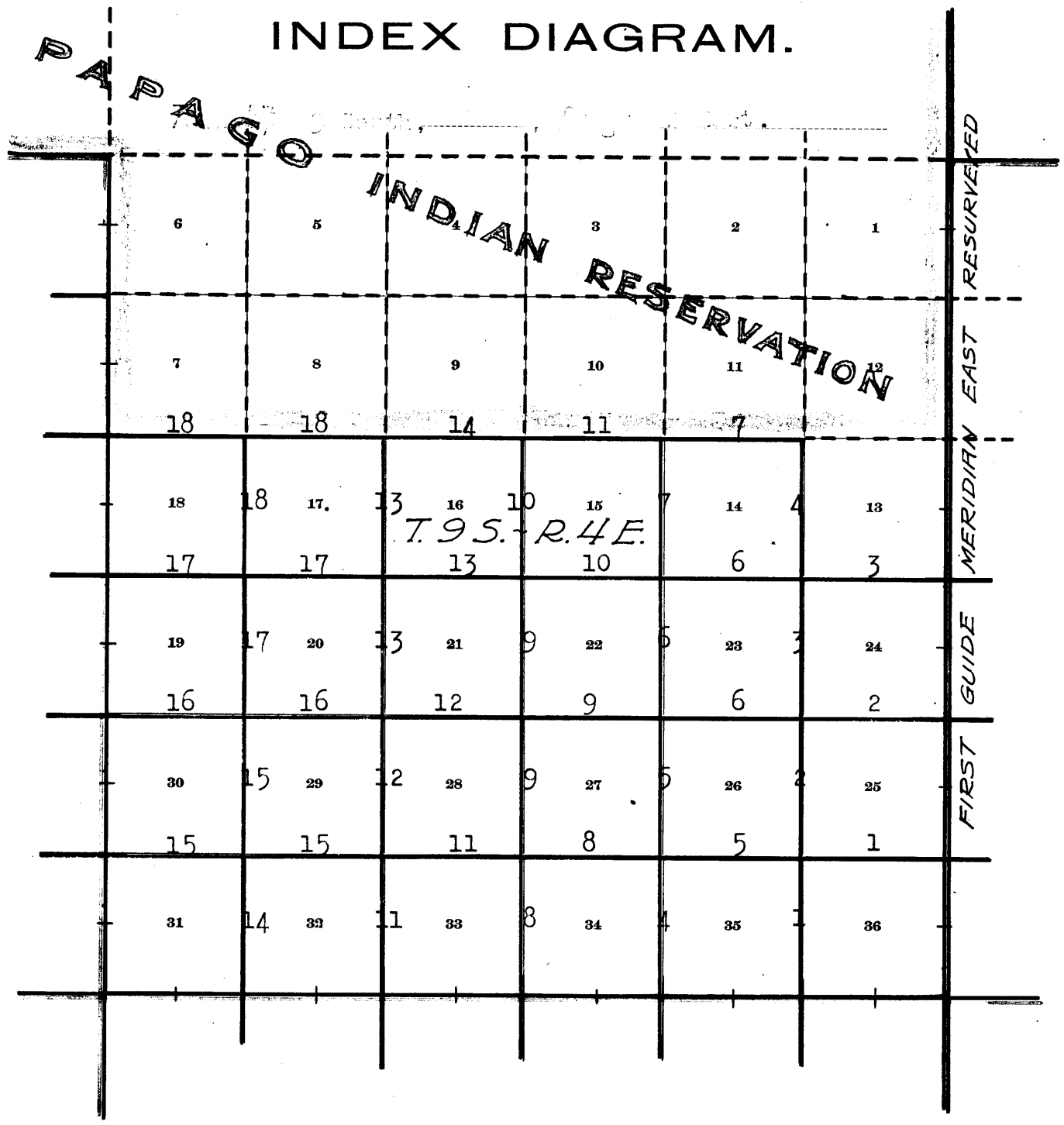
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Book "L."
(Subdivisions)
Group 38 - Arizona.

ECCO 2902

INDEX DIAGRAM.



- Subdivision lines surveyed under this group.
- Standard lines - Notes in Book "A."
- Township bdrs. - Notes in Book "B."
- - - - -** Unsurveyed.

Partial Subdivision of Township 9 South, Range 4 East.

Chains.

Survey of Subdivision lines described in the following field notes was executed by W.H.Thorn, U.S. Surveyor, and W.K.Kierulff, U.S. Transitman, their initials "W.H.T." and "W.K.K." being inserted at the beginning and ending of those portions of the notes describing their respective surveys.

W.H.T.

Survey commenced March 18, 1915, and executed with a Young & Son's light mountain transit No. 8592, described in Book "A."

March 7, 1915, I examined the transit and correct the level and collimation errors; then to test the solar apparatus by a.m. and p. m. observations on a meridian established by observations on Polaris, I proceed as follows:

At 8h. 28m., a.m., l.m.t., at a point near camp, in sec. 11, T.9 S., R.5 E., I observe Polaris at eastern elongation in accordance with instructions in the Manual of Surveying, and lay off the azimuth of Polaris, 1°21' to the W.; I mark the meridian thus determined by a rod set on a line 10 chs. N. of my station.

At 9h. a.m., l.m.t., I set off 32°38' N. on the lat. arc; 5°30' S. on the decl. arc; and determine a meridian with the solar. The meridian thus determined strikes the rod set 10 chs. N. of my station.

At 3h. p.m., l.m.t., I set off 32°38' N. on the lat. arc; 5°24' S. on the decl. arc, and determine a meridian with the solar. The meridian thus determined strikes the rod set 10 chs. N. of my station. I therefore conclude that the adjustments of the solar are satisfactory.

March 18. At 9h. a.m., l.m.t., I set off 32° 35½' N. on the lat. arc; 1°11' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of Tp., described in Book "B."

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

Over gradual NW. slope, through greasewood brush and scattering ironwood.

21.00

Change to level land.

25.75

Road brs. NE. and SW.

32.40

Road brs. E. to Jack Rabbit Mine and W. to Copperosity Mine.

32.80

Road brs. NE. and SW.

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., with brass cap, marked
S 35 on W., and
S 36 on E. half;
1915 on S. rim.

No trees within limits.

Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

50.00

Leave brush, brs. E. and W.

53.60

Road brs. N. 60° W. and S. 70° E.

80.00

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

T 9 S R 4 E on N. half;
S 25 in NE.,
S 36 in SE.,
S 35 in SW., and
S 26 in NW. quadrants;
1915 on S. rim.

No trees within limits.

Dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land level.

Soil, on south half, gravel, 2nd rate; on north half, sandy loam, 1st rate.

Timber, scattering ironwood.

Undergrowth, greasewood brush and scattering mesquite.

Partial Subdivision of Township 9 South Range 4 East. 3.

Chains.
 Over hilly and rolling land.
 39.97 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 24 on N., and
 $\frac{1}{4}$ S 25 on S half;
 1915 on S rim.
 No trees within limits.
 Dig pits 18x18x12 ins., E. and W. of cor, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 44.00 Road, brs. S. 40° E. and N. 40° W.
 49.70 Road brs. N. and S
 50.80 Ascend E. slope, 247 ft. to
 70.25 Descend SW. slope, 138 ft. to
 79.94 Cor. of secs. 23, 24, 25 and 26.
 Land, rolling and hilly.
 Soil, gravelly and stony, 2nd and 4th rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood brush, mesquite, ocotillos and cacti.

 N. 0° 1' W., bet. secs. 23 and 24.
 Ascend SW. slope.
 5.57 Ravine, 15 lks. wide, 3 ft. deep, course W.
 9.87 Descend gradual NW. slope, 165 ft. to
 28.35 Wash, 15 lks. wide, 1 ft. deep, course N. 70° W.
 Ascend S. slope.
 30.55 Road brs. N. 70° W. and S. 70° E.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock, in a mound of stone, 3 ft. base, 18 ins. high, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 23 on W., and
 $\frac{1}{4}$ S 24 on E. half;
 1915 on S. rim.
 No trees within limits. Pits impracticable.
 Build a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Descend over W. and NW. slope.
 56.00 Wash, 20 lks. wide, 2 ft. deep, course W
 60.00 Ascend gentle SE. slope.
 73.10 Descend gentle NE. slope.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to solid rock, in a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, for cor. of secs. 13, 14, 23 and 24, with brass cap, marked
 T 9 S R 4 E on N. half;
 S 13 in NE.,
 S 24 in SE.,
 S 23 in SW., and
 S 14 in NW quadrants;
 1915 on S. rim.
 No trees within limits. Pits impracticable.
 Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.
 Land, hilly and rolling.
 Soil, stony, 3rd and 4th rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood, ocotillos and cacti.

 East, on a random line, bet. secs. 13 and 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.99 Intersect 1st. Guide Meridian East, 19 lks. N. of reestablished cor. of secs. 13, 18, 19 and 24, described in Book "A."
 Thence I run,
 N. 89° 52' W., on a true line, bet. secs. 13 and 24.
 Over rolling land, through greasewood brush and palo verde and ironwood timber.
 Ascend gradual NE. slope.
 19.50 Top of low ridge, brs. N. and S.

4. Partial Subdivision of Township 9 South Range 4 East

Chains.

Descend gradual W. slope.
 22.10 Ravine, 15 lks.wide, 3 ft. deep, course S. 60° W.
 Ascend gradual SE. slope.
 37.00 Descend gradual SW. slope.
 39.00 Ravine, 20 lks.wide, 3 ft. deep, course S. Ascend SE.
 slope.
 39.99½ Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in the
 ground, to solid rock in a mound of stone, 3 ft.base,
 1½ ft.high, for ¼ sec.cor., with brass cap, marked
 ¼ S 13 on N., and
 S 24 on S half;
 1915 on S.rim.
 No trees within limits. Pits impracticable.
 Build a mound of stone 3 ft.base, 2 ft.high, N.of cor.
 50.00 Top of low spur, slopes S. Descend.
 59.60 Wash, 15 lks.wide, 3 ft. deep, course N.60°W.
 64.50 Top of low ridge, descend SW. slope.
 79.99 Cor.of secs.13,14,23 and 24.
 Land, rolling.
 Soil, stony, 4th rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood brush, catclaw and ocotillos.
 Good native grass, suitable for grazing.

 N.0° 1'W., bet. secs.13 and 14.
 Over hilly land.
 Along foot of west slope.
 10.00 Descend gradual N.slope.
 15.00 Wash, 30 lks.wide, 2 ft. deep, course W.
 Ascend SW. slope, 73 ft. to.
 23.62 Change to W. slope.
 27.12 Descend N. slope, 52 ft.to
 33.75 Wash, 20 lks.wide, 3 ft. deep, course W.
 Ascend stony S. slope, 104 ft.to
 40.00 Set an iron post 3 ft.long, 1 in. in diam., on surface
 rock, in a mound of stone, 3 ft.base, 2 ft.high, for
 ¼ sec.cor., with brass cap, marked
 ¼ S 14 on W., and
 S 13 on E half;
 1915 on S.rim.
 No trees within limits. Pits impracticable.
 Build a mound of stone 3 ft. base, 2 ft. high, W.of cor.
 Thence along E. slope.
 51.00 Descend NE. slope, 82 ft.to
 61.45 Ascend gradual SE. slope.
 65.40 Descend NE. slope, 80 ft.to
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for cor.of secs.13 and 14 (secs.11 and 12
 being within Papago Indian Reservation), with brass
 cap, marked
 P I R on N.half;
 S.13 in SE., and
 S 14 in SW.quadrants;
 T 9 S R 4 E on S.half;
 1915 on S.rim.
 No trees within limits.
 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.
 As the land in sec. 13 is practically worthless for agri-
 cultural purposes, I do not survey the line bet. secs.
 12 and 13, and as secs.12 and 1 are within the Papago
 Indian Reservation, I discontinue survey of the east
 tier of secs. at this cor.
 Land, rolling.
 Soil, stony, 4th rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood brush, ocotillos and cacti.
 Native grass suitable for grazing.

Mar. 18, 1915.

Partial Subdivision of Township 9 South, Range 4 East.

5.

Chains

March 19, 1915. At 8h. 30m. a.m., l.m.t., I set off $32^{\circ} 35' N.$ on the lat. arc; $0^{\circ} 47' S.$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp., described in Book "B." Thence I run, N. $0^{\circ} 1' W.$, bet. secs. 34 and 35. Over level land, through thick growth of mesquite brush. Wash, 30 lks. wide, 5 ft. deep, course NE.

17.40
27.80
40.00

Road brs. N. $50^{\circ} E.$ and S. $50^{\circ} W.$
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4} S 34$ on W., and S 35 on E. half; 1915 on S. rim.

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

80.00

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, with brass cap, marked
T 9 S R 4 E on N. half;
S 26 in NE.,
S 35 in SE.,
S 34 in SW., and
S 27 in NW. quadrants;
1915 on S. rim.

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. Soil, adobe, 1st rate. No timber. Undergrowth, mesquite and sage brush. Very little native grass.

East, on a random line, bet. secs. 26 and 35.

40.00
80.01

Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 3 lks. S. of cor. of secs. 25, 26, 35 and 36.
Thence I run, S. $89^{\circ} 59' W.$ on a true line, bet. secs. 26 and 35. Over level land, through greasewood brush.

40.00 $\frac{1}{2}$

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4} S 26$ on N., and S 35 on S. half; 1915 on S. rim.

Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

49.60
60.60
80.01

Wash, 25 lks. wide, 4 ft. deep, course N. $10^{\circ} E.$
Wash, 30 lks. wide, 5 ft. deep, course N.
Cor. of secs. 26, 27, 34 and 35.
Land, level. Soil, adobe, 1st rate. No timber. Undergrowth, sagebrush and scattering mesquite. Very little native grass.

N. $0^{\circ} 1' W.$, bet. secs. 26 and 27.

2.40
40.00

Over level land, through greasewood brush.
Wash, 10 lks. wide, 3 ft. deep, course N. $20^{\circ} E.$
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4} S 27$ on W., and S 26 on E. half; 1915 on S. rim.

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

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked
T 9 S R 4 E on N. half;
S 23 in NE.,
S 26 in SE.,
S 27 in SW., and

6. Partial Subdivision of Township 9 South, Range 4 East.

Chains.		
	<p>S. 22 in NW. quadrants; 1915 on S. rim. 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, level. Soil, adobe, 1st rate. Undergrowth, greasewood brush. At this cor., I set off 0° 41' S. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 37½' N.</p>	

	<p>East, on a random line, bet. secs. 23 and 26. 40.00 Set temp. ¼ sec. cor. 80.04 Intersect N. and S. line at cor. of secs. 23, 24, 25 and 26. Thence I run, West, on a true line, bet. secs. 23 and 26. Descend SW. slope to 15.00 Enter level land. 17.90 Wash, 30 lks. wide, 5 ft. deep, course NW. 18.70 Wash, 20 lks. wide, 2 ft. deep, course NW. 21.90 Wash, 20 lks. wide, 4 ft. deep, course N. 10° W. 30.00 Leave thick mesquite brush along washes. 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., with brass cap, marked ¼ S 23 on N., and S 26 on S. half; 1915 on S. rim. Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.</p>	

	<p>80.04 Cor. of secs. 22, 23, 26 and 27. Land, level and hilly. Soil, adobe, 1st rate; and stony, 4th rate. No timber. Undergrowth, sagebrush, greasewood and mesquite. Little native grass suitable for grazing.</p>	

	<p>N. 0° 1' W., bet. secs. 22 and 23. Over level land. 32.00 Knoll, 9 chs. in diam., 50 ft. high, brs. E. 6 chs. dist. 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked ¼ S 22 on W., and S 23 on E. half; 1915 on S. rim. Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.</p>	

	<p>80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with brass cap, marked T 9 S R 4 E on N. half; S 14 in NE., S 23 in SE., S 22 in SW., and S 15 in NW. quadrants; 1915 on S. rim; 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, level. Soil, adobe, 1st rate. No timber. Undergrowth, sagebrush, greasewood brush and mesquite. Little native grass for suitable grazing.</p>	

	<p>40.00 East, on a random line, bet. secs. 14 and 23. Set temp. ¼ sec. cor. of cor. 80.06 Intersect N. and S. line 20 lks. S. of secs. 13, 14, 23 and 24. Thence I run, S. 89° 51' W., on a true line, bet. secs. 14 and 23. Descend W. slope. 35.40 Foot of 145 ft. descent; wash 30 lks. wide, 4 ft. deep, course N. 40.03 True point for ¼ sec. cor. falls in wash, 20 lks. wide, 4 ft.</p>	

Partial Subdivision of Township 9 South, Range 4 East.

7.

Chains.

39.50 deep, course N.10°W. Therefore at
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap, marked

W Q $\frac{1}{4}$ S 14 on N., and
S 23 on S^w half;
1915 on S. rim.

Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

42.30 Wash, 30 lks. wide, 6 ft. deep, course NW.
44.20 Wash, 25 lks. wide, 4 ft. deep, course NW.
47.40 Wash, 20 lks. wide, 4 ft. deep, course N.10°W.
55.00 Leave mesquite brush, along washes.
80.06 Cor. of secs. 14, 15, 22 and 23.

Land, level.
Soil, adobe, 1st rate, and stony, 4th rate.
No timber.
Undergrowth, greasewood and mesquite brush.
Little grass suitable for grazing.

March 19, 1915.

March 20, 1915: At 1h. p.m., 1.m.t., I set off 32°38'N. on the lat. arc; 0°19'S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 & 23. Thence I run,

40.00 N. 0°1' W., bet. secs. 14 and 15. Over level land.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 15 on W., and
S 14 on E half;
1915 on S. rim.

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

64.40 Wash, 15 lks. wide, 2 ft. deep, course N.20°W.
68.30 Wash, 20 lks. wide, 4 ft. deep, course N.20°W.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 14 and 15 (secs. 10 and 11 being within Papago Indian Reservation), with brass cap, marked

P I R on N. half;
S 14 in SE., and
S 15 in SW. quadrants;
T 9 S R 4 E on S. half;
1915 on S. rim.

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.

Land, level.
Soil, adobe, 1st rate.
No timber.
Undergrowth, mesquite and greasewood brush.

East, on a random line, on N. bdy. of sec. 14, identical with S. bdy. of Papago Indian Reservation.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.94 Intersect N. and S. line, 2 lks. N. of cor. of secs. 13 and 14.

Thence I run,
N. 89° 59' W., on a true line on N. bdy. of sec. 14, and S. bdy. of Papago Indian Reservation.

Over hilly land.
Ascend E. slope, 103 ft. to
12.00 Change to S. slope, and descend over SW. slope, 125 ft. to
20.24 Wash, 20 lks. wide, 2 ft. deep, course S.

26.24 Ascend E. slope, 80 ft. to
34.30 Top of hill.

Descend NW slope, 75 ft. to
39.97 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. to sec. 14, with brass cap, marked

Partial Subdivision of Township 9 South, Range 4 East. 9.

Chains.	<p>Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Road brs. NE. and SW. Cor. of secs. 27, 28, 33 and 34. Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush, and scattering mesquite.</p>
58.20	
80.00	
40.00	<p>N.0° 2'W., bet. secs. 27 and 28. Over level land, through scattering undergrowth. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 28 on W., and S 27 on E. half; 1915 on S. rim.</p>
80.00	<p>Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. 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, with brass cap, marked T 9 S R 4 E. on N. half; S 22 in NE., S 27 in SE., S 28 in SW., and S 21 in NW. quadrants; 1915 on S. rim.</p>
	<p>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. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush.</p>
40.00	<p>East, on a random line, bet. secs. 22 and 27.</p>
79.98	<p>Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 1 lk. S. of cor. of secs. 22, 23, 26 and 27.</p>
39.99	<p>Thence 1 run, West, on a true line, bet. secs. 22 and 27. Over level land, through greasewood brush. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 22 on N., and S 27 on S. half; 1915 on S. rim.</p>
79.98	<p>Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 21, 22, 27 and 28. Land, level. Soil, adobe, 1st rate. No timber. Undergrowth, greasewood brush and scattering mesquite.</p>
40.00	<p>N.0° 2'W., bet. secs. 21 and 22. Over level land, through greasewood brush. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 21 on W., and S 22 on E. half; 1915 on S. rim.</p>
80.00	<p>Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. 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, with brass cap, marked</p>

10. Partial Subdivision of Township 9 South, Range 4 East.

Chains.		
	<p>T 9 S R 4 E on N. half; S 15 in NE., S 22 in SE., S 21 in SW., and S 16 in NW. quadrants; 1915 on S. rim.</p> <p>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. Soil, adobe, 1st rate. No timber. Undergrowth, greasewood brush, and scattering mesquite.</p>	

	<p>East, on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.</p>	
40.00	Intersect N. and S. line at the cor. of secs. 14, 15, 22 and	
80.00	23. Thence I run, West, on a true line, bet. secs. 15 and 22. Over level land, through greasewood brush.	
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 15 on N., and $\frac{1}{4}$ S 22 on S. half; 1915 on S. rim.	
	<p>Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft. high, N. of cor.</p>	
80.00	Cor. of secs. 15, 16, 21 and 22. Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush, and scattering mesquite. At this cor., I set off 0°20'S., on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 32° 38' N. W.H.T. Mar. 20, 1915.	

	<p>W.K.K. Survey commenced Mar. 20, 1915, and executed with a Young and Son's light mountain transit No. 8492, described in Book "A." From recent and repeated field tests, I know the transit and solar attachment to be in satisfactory adjustment. N. 0°2' W., bet. secs. 15 and 16. Over level land, through scattering timber and undergrowth.</p>	
17.40	Road brs. NE. and SW.	
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 16 on W., and $\frac{1}{4}$ S 15 on E. half; 1915 on S. rim.	
	<p>Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft. high, W. of cor.</p>	
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 15 and 16 (secs. 9 and 10 being within Papago Indian Reservation) with brass cap, marked P I R on N. half; S 15 in SE., and S 16 in SW. quadrants; T 9 S R 4 E on S. half; 1915 on S. rim.	
	<p>Dig pits 24x24x12 ins. SE. and SW. of post 5$\frac{1}{2}$ ft. dist., and raise a mound of earth $\frac{1}{2}$ ft. base, 2 ft. high, S. of cor. Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush and scattering mesquite.</p>	

Partial Subdivision of Township 9 South, Range 4 East. 11

Chains

East, on a random line, on N.bdy.of sec.15, identical with S.bdy.of Papago Indian Reservation.

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

80.05 Intersect N.and S^w line at cor.of secs.14 and 15.

Thence I run,

West, on a true line, along N.bdy.of sec.15, and S.bdy.of Papago Indian Reservation.

Over level land, through greasewood brush, and scattering mesquite.

3.00 Wash, 25 lks.wide, 6 ft.deep, course N.

17.90 Road brs.N. and S.

40.02 $\frac{1}{2}$ Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
P I R on N., and
 $\frac{1}{4}$ S 15 on S. half;
1915 on S rim.

Dig pits 18x18x12 ins., E.and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, S.of cor.

47.80 Road brs.NE. and SW.

80.05 Cor.of secs. 15 and 16.

The portion of Tp.N.of this cor. being within the Papago Indian Reservation, I discontinue survey of this tier of secs. at this cor.

Land, level.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, greasewood and scattering mesquite brush.

Mar. 20: At 8h. a.m., l.m.t., I set off $32^{\circ} 35\frac{1}{2}'$ N.on the lat.arc; $0^{\circ} 23'$ S. on the decl.arc; and determine a meridian with the solar at the cor.of secs. 4, 5, 32 and 33, on S.bdy.of Tp., described in Book "B."

Thence I run,

N. $0^{\circ} 2'$ W., bet. secs. 32 and 33.

Over level land, through greasewood brush and scattering mesquite brush.

14.10 Wash, 25 lks.wide, 3 ft. deep, course 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., with brass cap, marked
 $\frac{1}{4}$ S 32 on W., and
S 33 on E.half;
1915 on S rim.

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

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs. 28, 29, 32 and 33, with brass cap, marked
T 9 S R 4 E on N.half;
S 28 in NE.,
S 33 in SE.,
S 32 in SW., and
S 29 in NW. quadrants;
1915 on S rim.

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.

Soil, adobe, 1st rate.

No timber.

Undergrowth, greasewood brush and scattering mesquite.

East, on a random line, bet. secs. 28 and 33.

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

80.02 Intersect N.and S^w line, 1 lk. S.of cor.of secs. 27, 28, 33 and 34.

Thence I run,

West on a true line, bet. secs. 28 and 33.

12. Partial Subdivision of Township 9 South, Range 4 East.

Chains.

- Over level land, through greasewood brush and scattering mesquite.
- 26.22 Road brs. S 70° E. and N. 70° W.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 28 on N., and
 S 33 on S half;
 1915 on S. rim.
- Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.02 Cor. of secs. 28, 29, 32 and 33.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
-
- N. 0° 2' W., bet. secs. 28 and 29.
- Over level land, through greasewood brush and scattering mesquite.
- 3.30 Road brs. N. 70° W. and S. 70° E.
- 33.30 Road brs. NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 29 on W., and
 S 28 on E. half;
 1915 on S. rim.
- Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap, marked
 T 9 S R 4 E on N. half;
 S 21 in NE.,
 S 28 in SE.,
 S 29 in SW., and
 S 20 in NW. quadrants;
 1915 on S. rim.
- 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.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
-
- East, on a random line, bet. secs. 21 and 28.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S line 1 lk. S. of cor. of secs. 21, 22, 27 and 28.
 Thence 1 run,
 West, on a true line, bet. secs. 21 and 28.
- Over level land, through greasewood brush and scattering mesquite.
- 40.01 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 21 in N., and
 S 28 in S. half;
 1915 in S. rim.
- Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 54.50 Road brs. NE. and SW.
- 80.02 Cor. of secs. 20, 21, 28 and 29.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
-

Partial Subdivision of Township 9 South Range 4 East.

Chains.
 N. 0°2'W., bet. secs. 20 and 21.
 Over level land, through greasewood brush and scattering mesquite.
 30.50 Wash, 15 lks.wide, 3 ft. deep, course SE.
 31.80 Wash, 15 lks.wide, 3 ft. deep, course SE.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked $\frac{1}{4}$ S 20 on W., and $\frac{1}{4}$ S 21 on E half; 1915 in S.rim.
 Dig pits 18x18x12 ins.N.and S of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
 51.20 Wash, 15 lks.wide, 2 ft. deep, course NE.
 56.20 Wash, 15 lks.wide, 3 ft. deep, course E.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 16,17, 20 and 21, with brass cap, marked
 T 9 S R 4 E on N.half;
 S 16 in NE.,
 S 21 in SE.,
 S 20 in SW. and
 S 17 in NW. quadrants;
 1915 in S.rim.
 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.
 Soil,sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood brush, and scattering mesquite.

 East, on a random line , bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect N.and S line, 12 lks.S. of cor.of secs.15,16, 21 and 22.
 Thence I run,
 S 89° 55' W.on a true line, bet. secs.16 and 21.
 Over level land, through greasewood brush and scattering mesquite.
 11.70 Road 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 $\frac{1}{4}$ sec.cor., with brass cap, marked $\frac{1}{4}$ S 16 on N., and $\frac{1}{4}$ S 21 on S.half; 1915 on S.rim.
 Dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
 80.00 Cor.of secs.16,17,20 and 21.
 Land,level.
 Soil,sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood brush and scattering mesquite
 At this cor., I set off 0°20'S. on the decl.arc and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 38' N.
 W.K.K. Mar.20,1915.

 W.H.T.
 Mar.23, 1915: At 9h. a.m.,l.m.t., I set off 32° 38' N. on the lat.arc; 0°48'N.on the decl.arc. and determine a meridian with the solar at the cor.of secs. 16,17, 20 and 21.
 Thence I run,
 N.0°2' W., bet. secs. 16 and 17.
 Over level land, through greasewood brush.
 40.00 Set an iron post, 3 ft.long. 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked

14. Partial Subdivision of Township 9 S., Range 4 East.

chains.	
	<p>$\frac{1}{4}$ S 17 in W., and S 16 on E half; 1915 on S. rim.</p> <p>Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
80.00	<p>Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 16 and 17, (secs. 8 and 9 being within Papago Indian Reservation) with brass cap, marked P I R in N., & T 9 S R 4 E on S. half; S 16 in SE., and S 17 in SW. quadrants; 1915 in S. rim.</p> <p>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.</p> <p>Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush. Good grass, suitable for grazing purposes.</p>
40.00	<p>East on a random line along N. bdy. of sec. 16, identical with S. bdy. of Papago Indian Reservation.</p> <p>Set temp. sec. cor.</p>
79.91	<p>Intersect N. and S. line, 2 lks. S. of cor. of secs. 15 and 16.</p> <p>Thence I run, S. $89^{\circ} 59'$ W. on a true line, on N. bdy. of sec. 16, and S. bdy. of Papago Indian Reservation.</p>
39.95 $\frac{1}{2}$	<p>Over level land, through greasewood brush.</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., of sec. 16, with brass cap, marked P I R on N., and S 16 on S. half; 1915 on S. rim.</p>
79.91	<p>Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, S. of cor.</p> <p>Cor. of secs. 16, and 17, The portion of Tp. N. of this cor., being within the Papago Indian Reservation I discontinue survey of this tier of secs. at this cor.</p> <p>Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush.</p>
	Mar. 23, 1915.
	<p>March 22, 1915: At 9h. a.m., l.m.t., I set off $32^{\circ} 35\frac{1}{2}'$ N. on the lat. arc; $0^{\circ} 24'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp. described in Book "B."</p> <p>Thence I run, N. $0^{\circ} 3'$ W., bet. secs. 31 and 32.</p>
6.70	<p>Over level land, through greasewood brush.</p> <p>Road brs. NE. and SW.</p>
35.30	<p>Wash, 60 lks. wide, 6 ft. deep, course N. 80° E.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 31 on W., and S 32 on E half; 1915 on S. rim.</p>
	<p>Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
80.00	<p>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, with brass cap, marked</p>

Partial Subdivision of Township 9 South, Range 4 East. 15.

Chains.

T 9 S R 4 E on N.half;
 S 29 in NE.,
 S 32 in SE.,
 S 31 in SW., and
 S 30 in NW. quadrants;
 1915 in S rim.

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.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
 Good native grass suitable for grazing.

40.00 East, on a random line, bet. secs. 29 and 32.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. and S. line at cor. of secs. 28, 29, 32 and 33.
 Thence I run,
 West, on a true line, bet. secs. 29 and 32.
 Over level land, through greasewood brush.
 21.00 Road hrs. NE. to Casa Grande, Arizona, and SW.
 40.03 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 29 on N.,
 $\frac{1}{4}$ S 32 in S. half; and
 1915 on S. rim.

Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of
 cor.

80.06 Cor. of secs. 29, 30, 31 and 32.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
 Good native grass suitable for grazing.

40.00 West, on a random line, bet. secs. 30 and 31.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.43 Intersect W. bdy. of Tp. at cor. of secs. 25, 30, 31 and 36,
 established by W. K. Kierulff, U.S. Transitman, and de-
 scribed in Book "B."
 Thence I run,
 East, on a true line, bet. secs. 30 and 31.
 Over level land, through greasewood brush.
 39.43 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 30 on N., and
 $\frac{1}{4}$ S 31 on S. half;
 1915 on S. rim.

Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of
 cor.

79.43 Cor. of secs. 29, 30, 31 and 32.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood brush.
 Good grass suitable for grazing.

N. $0^{\circ}31'W.$, bet. secs. 29 and 30.
 Over level land, through greasewood brush.
 9.00 Road hrs. E and W.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 30 on W., and
 $\frac{1}{4}$ S 29 on E. half;
 1915 on S. rim.

16. Partial Subdivision of Township 9 South Range 4 East.

Chains.	Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 19, 20, 29, and 30, with brass cap, marked T 9 S R 4 E on N. half; S 20 in NE., S 29 in SE., S 30 in SW., and S 19 in NW. quadrants; 1915 on S. rim.
	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. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush and scattering mesquite. Good native grass suitable for grazing. At this cor., I set off $0^{\circ}27'N$. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is $32^{\circ}37'N$.

40.00	East, on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{2}$ sec. cor.
80.12	Intersect N. and S. line, 2 lks. S. of cor. of secs. 20, 21, 28 and 29. Thence I run, S. $89^{\circ}59'W$., on a true line, bet. secs. 20 and 29. Over level land, through greasewood brush.
40.06	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 20 on N., and S 29 on S. half; 1915 on S. rim.
80.12	Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 19, 20, 29 and 30. Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush. Good native grass suitable for grazing.

40.00	West, on a random line, bet. secs. 19 and 30. Set temp. $\frac{1}{2}$ sec. cor.
79.36	Intersect W. bdy. of Tp. 12 lks. N. of cor. of secs. 19, 24, 25 and 30, established by W. K. Kierulff, U. S. Transitman, and described in Book "B." Thence I run, N. $89^{\circ}55'E$., on a true line, bet. secs. 19 and 30. Over level land, through greasewood brush.
.10	Wash, 10 lks. wide, 1 ft. deep, course NE.
16.40	Wash, 15 lks. wide, 1 ft. deep, course NE.
17.36	Wash, 10 lks. wide, 1 ft. deep, course NE.
39.36	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 19 on N., and S 30 on S. half; 1915 on S. rim.
	Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
54.06	Wash, 10 lks. wide, 1 ft. deep, course N. $50^{\circ}E$.
79.36	Cor. of secs. 19, 20, 29 and 30. Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood brush. Good native grass suitable for grazing.

Partial Subdivision of Township 9 South, Range 4 East. 17.

chains.

N.0° 3' W., bet. secs.19 and 20.
 Over level land, through greasewood brush.
 14.90 Wash, 15 lks.wide, 2 ft. deep, course N.70°E.
 17.10 Wash, 15 lks.wide, 2 ft. deep, course N.70°E.
 37.30 Wash, 15 lks.wide, 2 ft. deep, course 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., with brass cap, marked
 $\frac{1}{4}$ S 19 on W., and
 $\frac{1}{4}$ S 20 on E.half;
 1915 on S.rim.
 Dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist.,and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of
 cor.
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground for cor.of secs. 17,18,19 and 20, with brass
 cap, marked
 T 9 S R 4 E on N.half;
 S 17 in NE.,
 S 20 in SE.,
 S 19 in SW., and
 S 18 in NW.quadrants;
 1915 on S.rim.
 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.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood brush.
 Good native grass suitable for grazing.

 East, on a random line, bet. secs.17 and 20.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.16 Intersect N.and S line, 5 lks.S.of cor.of secs.16,17,20
 and 21.
 Thence I run,
 S.89°58'W., on a true line, bet. secs.17 and 20.
 Over level land, through greasewood brush.
 40.08 Set an iron post 3 ft. long, 1 in.in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
 $\frac{1}{4}$ S 17 on N., and
 $\frac{1}{4}$ S 20 on S.half;
 1915 on S.rim.
 Dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high,N.
 of cor.
 80.16 Cor.of secs.17,18,19 and 20.
 Land,level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood brush.
 Good native grass, suitable for grazing.

 West, on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.27 Intersect W. bdy.of Tp., 12 lks.N.of cor. of secs.13,18,
 19 and 24, established by W.K.Kierulff,U.S.Transitman,
 and described in Book "B."
 Thence I run,
 N.89° 55'E., on a true line, bet. secs.18 and 19.
 Over level land, through greasewood brush.
 39.27 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
 $\frac{1}{4}$ S 18 on N., and
 $\frac{1}{4}$ S 19 on S.half;
 1915 on S.rim.
 Dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 N.of cor.
 79.27 Cor.of secs.17,18,19 and 20.

18. Partial Subdivision of Township 9 South, Range 4 East.

Chains.

Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood brush.
Native grass.

March 22, 1915.

March 23, 1915:

N.0° 3' W., bet. secs. 17 and 18.
Over level land, through greasewood brush.
40.00 Set an iron post 3 ft. long, 1 in. in diam. & 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 18 on W., and
S 17 on E. half;
1915 on S. rim.
Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
65.50 Wash, 20 lks. wide, 3 ft. deep, course N.70° E.
68.30 Wash, 40 lks. wide, 3 ft. deep, course N.70° E.
77.40 Wash, 20 lks. wide, 3 ft. deep, course NE.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 17 and 18 (secs. 7 and 8 being within Papago Indian Reservation) with brass cap, marked

P I R on N. half;
S 17 in SE., and
S 18 in SW. quadrants;
T 9 S R 4 E on S. half;
1915 on S. rim.

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.

Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood brush.
Native grass.

40.00 East, on a random line, on N. bdy. of sec. 17, identical with south bdy. of Papago Indian Reservation.

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

Intersect N. and S. line, 7 lks. S. of cor. of secs. 16 and 17.

Thence I run,

S.89°57' W., on a true line, on N. bdy. of sec. 17, and S. bdy. of Papago Indian Reservation.

40.10 Over level land, through greasewood brush.

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., to sec. 17, with brass cap, marked

P I R on N., and
 $\frac{1}{4}$ S 17 on S. half;
1915 on S. rim.

Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

61.40 Wash, 60 lks. wide, 3 ft. deep, course N.60° E.

64.90 Wash, 20 lks. wide, 3 ft. deep, course N.60° E.

80.20 Cor. of secs. 17 and 18.

Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood brush.
Native grass.

West, on a random line on N. bdy. of sec. 18, identical with S. bdy. of Papago Indian Reservation.

Partial Subdivision of Township 9 South, Range 4 East.

Chains
40.00m Set temp. $\frac{1}{4}$ sec. cor.
79.19 Intersect W. bdy. of Tp., 7 lks. N. of cor. of secs. 12, 13 and 18, established by W.K. Kierulff, U.S. Transitman, and described in Book "B."
Thence I run,
N. $89^{\circ} 57'$ E., on a true line, on N. bdy. of sec. 18, and S. bdy. of Papago Indian Reservation.
39.19 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 18, with brass cap, marked
P I R on N., and
 $\frac{1}{4}$ S 18 on S half;
1915 on S. rim.
Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
43.19 Road brs. NE. and SW.
66.80 Wash, 15 lks. wide, 2 ft. deep, course N. 80° E.
73.04 Wash, 15 lks. wide, 2 ft. deep, course N. 80° E.
79.19 Cor. of secs. 17 and 18. The portion of Tp. N. of this cor. being within the Papago Indian Reservation, I discontinue the survey of the W. two tiers, of secs. at this cor.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood brush.
Native grass.
W.H.T. Mar, 23, 1915.

GENERAL DESCRIPTION.

This township is mountainous along the east two tiers of sections, in which there are good copper prospects. The remainder of the township is level with adobe soil, first rate. Scattering palo verde, mesquite and ironwood timber grows along the slopes of the mountains. The undergrowth consists of greasewood brush, catclaw and young mesquite brush. There are no homesteads, or settlers.

~~FINAL OATH~~ OF UNITED STATES SURVEYOR, and
UNITED STATES TRANSITMAN.

See Book "C" of this Group.

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance
of special instructions received from the U. S. Surveyor General for _____
bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly,
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying
Instructions, and the laws of the United States, surveyed all those parts or portions of _____
_____ of the _____
_____ Meridian, in the State of _____, which are represented in
the foregoing field notes as having been executed by me, and under my direction; and I do further
solemnly swear that all the corners of said survey have been established and perpetuated in strict accord-
ance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor
General for _____ and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, MAR 19____, 1917.

The foregoing field notes of the survey of the Partial Subdivision of _____

TOWNSHIP 9 SOUTH, RANGE 4 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by W.H. Thorn, U.S. Surveyor, and W.K. Kierulff, U.S. Transitman,
under ~~his~~ special instructions dated July 29, 1914, for Group 38, Arizona, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

U. S. Surveyor General.
of Arizona.

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