

BOOK "C"

2644

BOOK 2644

FIELD NOTES

OF THE SURVEY OF ~~THE~~

*part of the
Subdivision lines of
Township 8 South ~ Range 19 West*

of the *Gila and Salt River Base and Meridian,*

In the State of *Arizona*

EXECUTED BY

Sidney E. Blout

In the capacity of U. S. Surveyor....., under instructions dated *May 27*, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No. *19*....., which were approved by the Commissioner of the General Land
Office, *June 20*....., 1912, pursuant to authority contained in the Act of
Congress dated *August 23*, 1912.

Survey commenced *November 20*....., 1912

Survey completed *December 7*....., 1912

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1A

BOOK 2644

INDEX DIAGRAM.

Township 8 South, Range 19 West.

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Partial Subdivision of T.8 S., R.19 W.

Chains. Survey commenced November 20, 1912, and executed with a Young & Sons light mountain transit No.10 with a Smith Solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the verniers of the latitude and declination arcs.

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

At 7^h.46^m. a.m., l.m.t., I set off 32°41' N. on the lat. arc, 19°38' S on the decl. arc, and determine a meridian with the solar at the cor. of secs. 35 and 36 on S. bdry of Tp., which is an iron post 3 ins. in diam. 12 ins. above ground, firmly set, marked on brass cap and witnessed as described by the Surveyor General.

Thence I run
 N. 0°01' W., bet. secs. 35 and 36.
 Over level sandy river bottom land.

.43 Road to Wellton Arizona bears N 60° W. and S 60° E.
 .45 The SW. cor. of wire fence bears E. 20 lks. dist.
 3.50 A deserted adobe house bears west 480 lks. dist.
 8.50 Gulch 40 lks. wide 4 ft. deep course NW.
 10.00 Enter scattering mesquite and cottonwood timber and dense arrowweed undergrowth 12 ft. high bears E and W.
 26.00 Leave timber bears E. and W.
 28.00 Pole fence bears 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., marked on brass cap $\frac{1912}{4}$ S 35 in W. half and S 36 in E. 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 cor.
 50.50 Enter scattering mesquite timber bears NE. and SW.
 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins in the ground for cor. of secs. 25, 26, 35, and 36. marked on brass cap $\frac{1912}{4}$ S. S 26 in NW., R. 19 W., 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 W. of cor. No trees suitable for bearing trees within limits.
 Land level.
 Soil sandy 1st. rate.
 Timber mesquite and cottonwood.

 N. 89°59' E. on a random line bet. secs. 25 and 36.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.66 Intersect E. bdry of Tp. 7 lks. N. 0°05' W. of the cor. of secs. 25, 30, 31 and 36, recently reestab. by me as described in Book "B"
 Thence I run
 N 89°58' W., on a true line, bet. secs. 25 and 36.
 Over level sandy river bottom land, through scattering, mesquite and tornilla timber and dense arrow weed undergrowth from 6 to 8 ft. high along wire fence, bears N. 89°50' W.

28.40 Wire fence, bears N. 89°50' W. and S. 89°50' E.
 39.33 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 $\frac{1912}{4}$ S 25 in N. half and S 36 in S. half. from which
 A mesquite 8 ins. in diam. bears N. $41\frac{1}{2}$ ° W. 56 lks. dist, marked $\frac{1}{4}$ S 25 BT.
 A mesquite 7 ins. in diam. bears S. $30\frac{3}{4}$ ° W. 67 lks. dist. marked $\frac{1}{4}$ S 36 BT.

40.00 Wire fence, bears N. and S.
 43.40 Wood road, bears N. and S.
 75.70 Leave timber, bears N. and S.
 79.66 The cor. of secs. 25, 26, 35, and 36, hereinafore described
 Land level.
 Soil sandy loam 1 st. rate.
 Timber mesquite, tornilla and cottonwood.

Partial Subdivision of T.8 S., R.19 W.

- Chains Note: At this cor. I set off $19^{\circ}44'S$. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $32^{\circ}42'N$. on the lat. arc.
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- N. $0^{\circ}01'W$. bet. secs. 25 and 26.
Over level sandy river bottom land, through scattering cottonwood timber and dense arrow weed undergrowth from 6 to 12 ft. high.
- 9.35 Intersect left bank of the Gila River 4 ft. high bears $N60^{\circ}E$. and $S. 60^{\circ}W$. Leave timber and undergrowth bears NE. and SW. over dry sandy river bed.
- 37.30 Intersect right bank of the Gila River bears $N. 60^{\circ}E$. and $S. 60^{\circ}W$. Enter scattering mesquite timber and dense arrow weed undergrowth 8 ft. high bears 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. marked on brass cap $192\frac{1}{4}$ S. 26 in W. half and S 25 in E. 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 W. of cor. No trees suitable for bearing trees within the prescribed limits.
- 48.60 Road from Phoenix Arizona, to Yuma, bears $N. 70^{\circ}E$. and $S. 70^{\circ}W$.
- 49.75 Leave level river bottom land, enter low hills.
- 64.00 Dry sand wash, 120 lks. wide 6 ft. deep course SE.
- 69.00 Dry sand wash, 30 lks. wide course SW. asc. gradually.
- 72.00 Top of ascent, on S. edge of mesa, thence over rolling stony mesa.
- 78.00 Leave mesa land, bears NW. and SE., desc. NE. slope over hilly land.
- 79.85 Foot of descent in sand wash, thence over bottom land along sand wash.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground, for cor. of secs. 23, 24, 25, and 26. marked on brass cap 192 T 8 S., S. 23 in NW., R. 19 W. S 24 in NE., S 25 in SE. and S. 26 in SW. quadrant. from which
A palo verde 8 ins. in diam. bears $N 49\frac{1}{4}^{\circ}E$. 357 lks. dist, marked T 8 S., R. 19 W. S 24 BT.
An ironwood 8 ins. in diam. bears $S 14\frac{1}{2}^{\circ}E$. 25 lks. dist. marked T 8 S., R. 19 W. S 25 BT.
An ironwood 5 ins. in diam. bears $N 6\frac{3}{4}^{\circ}W$. 104 lks. dist. marked T 8 S., R. 19 W. S 23 BT. No other trees suitable for bearing trees within limits.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
Land level and hilly.
Soil sandy and stony 1st. and 3 rd. rate.
Timber cottonwood, mesquite and scattering palo verde and ironwood.
-
- S. $89^{\circ}58'E$, on a random line, bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.43 Intersect E. bdy. of Tp. 21 R. 3 S. $0^{\circ}05'E$ of the true points for cor. of secs. 19, 24, 25, and 30, in dry bed of Gila River
Thence I run
S. $89^{\circ}53'W$, on a true line, bet. secs. 24 and 25.
Over dry sandy river bed of Gila River.
- 14.45 Intersect right bank of Gila River bears $N 60^{\circ}E$. and $S 60^{\circ}W$. Enter scattering mesquite timber and dense arrow weed undergrowth bears NE. and SW.
- 19.00 Ascend river bluff 30 ft. high bears NE. and SW.
- 23.00 Top of bluff bears NE. and SE. desc.
- 26.00 Dry sand wash 40 lks. wide course south, thence over rolling gravelly and stony land.
- 29.00 Road from Phoenix to Yuma Arizona bears NE. and SW.
- 32;50 Dry sand wah 30 lks. wide course south asc. ridge.
- 38.00 Top of ridge bears N. and S. Enter level land.
- 39.48 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 $192\frac{1}{4}$ S. 24 in N. half and S. 25 in S. half.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable. No trees within the prescribed limits.
- 44.00 Leave level land bears N. and S. descend W. slope into sand

Partial Subdivision of T. 8 S., R. 19 W.

Chains. wash.

52.40 Foot of descent in sand wash course south.

56.60 Leave sand wash, ascen E. slope of ridge.

59.00 Top of ridge bears N. and S. desc.

69.50 Dry sand wash course south thence over bottom land.

79.48 The cor. of secs. 23, 24, 25, and 26, ¹⁹¹²hereinbefore described
Land level and hilly.
Soil sandy, stony, and gravelly 2nd. and 3rd. rate.
Timber mesquite and ironwood.

November 20, 1912.

November 30¹⁹¹² At 1^h 49^m p.m., l.m.t. I set off 32°42¹/₂' N. on the lat. arc, 21°42' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 23, 24, 25, and 26, ¹⁹¹²hereinbefore described
Thence I run
N. 0°01' W., bet. secs. 23 and 24.
Over rolling stony land along sand wash, through scattering palo verde, mesquite and ironwood timber and greasewood brush undergrowth from 2 to 5 ft. high.

10.75 Leave rolling land bears NW. and SE. ascend SW. slope of ridge over hilly land.

18.00 Top of ridge bears NW. and SE. desc.

24.60 Dry sand wash 100 lks. wide course SE. thence ascend along SW. slope of ridge.

32.00 Top of ridge bears N 20° W., and S 20° E. descend along NE. slope of ridge.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¹⁹¹²1/4 sec. cor. marked on brass cap ¹⁹¹²1/4 S. 23 in W. half and S 24 in E. half.
Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
No trees within the prescribed limits. Pits impracticable.

44.50 Dry ravine 100 lks. wide course SE. asc.

49.50 Top of ridge bears NW. and SE. desc.

68.50 Dry sand wash 90 lks. wide course SE. asc.

74.30 Top of ridge bears NW. and SE. desc.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam. 24 ins. in the ground, for cor. of secs. 13, 14, 23, and 24. marked on brass cap ¹⁹¹²T 8 S., S 14 in NW., R 19 W., S 13 in NE. S 24 in SE. and S 23 in SW. quadrant.
Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
No trees suitable for bearing trees within limits. Pits impracticable.
Land rolling and hilly.
Soil stony 3rd. rate.
Timber mesquite and ironwood.

N 89°53' E. on a random line bet. secs. 13 and 24.

40.00 Set temp. ¹⁹¹²1/4 sec. cor.

79.04 Intersect E. bdy of Tp. 3 lks. N. 0°15' E. of the cor. of secs. 13, 18, 19, and 24, recently reestab. by me as described in Book "B"
Thence I run
S. 89°54' W., on a true line, bet. secs. 13 and 24.
Descend W. slope of ridge over stony hilly land.

.25 Dry ravine course south. asc.

1.75 Top of ascent on S. slope of ridge bears NW. and SE. desc.

6.20 Dry ravine course SE. asc.

12.00 Top of ascent on point of spur bears NW. and SE. desc.

13.00 Dry ravine course south asc.

17.15 Top of ascent on point of ridge bears NW. and SE. desc.

19.00 Dry sand wash 180 lks. wide course SE. asc.

31.75 Top of ridge bears NW. and SE. desc.

32.75 Dry ravine 20 lks. wide course south. asc.

37.50 Top of ridge bears N 20° W. and S 20° E. desc.

38.70 Dry ravine 10 lks. wide course SE. asc.

39.04 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¹⁹¹²1/4 sec. cor. marked on brass cap ¹⁹¹²1/4 S. 13 in N. half

Partial Subdivision of T. 8 S., R. 19 W.

- Chains and S 24 in S. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Pits impracticable.
- 40.15 Top of ridge bears N. and S. desc.
 42.00 Dry ravine 20 lks. wide course south asc.
 44.50 Top of ridge bears N. and S. desc.
 46.05 Dry ravine course south asc.
 48.70 Top of ridge bears N. and S. desc.
 50.40 Dry ravine 75 lks. wide course south asc.
 59.45 Dry ravine 25 lks. wide course SE. asc.
 63.60 Top of ridge bears NW. and SE. desc.
 70.00 Dry ravine 140 lks. wide course south asc.
 75.00 Top of ridge bears N. and S. desc.
 77.40 Dry ravine 40 lks. wide course SE. asc.
 79.04 The cor. of secs. 13, 14, 23, and 24, hereinbefore described
 Land hilly.
 Soil stony 3rd. rate.
 No timber.

Note: The north half of this township I find to be very rough and mountainous and unfit for either agricultural or grazing purposes; therefore I discontinue the subdivision of the first tier of sections at the cor. of secs. 13, 14, 23, and 24, hereinbefore described

November 30, 1912.

November 21¹⁹¹² At 8^{h.} 16^{m.} a.m., l.m.t. I set off $32^{\circ}41'N.$ on the lat. arc, $19^{\circ}53\frac{1}{2}'S.$ on the decl. arc and determine a meridian with the solar at the cor. of secs. 34 and 35 on S. bdy. of Tp., which is an iron post 3 ins. in diam. 12 ins. above ground., firmly set, marked ^{on brass cap} and witnessed as described by the Surveyor General.

Thence I run,

- N. $0^{\circ}01'W.$, bet. secs. 34 and 35.
 Over level sandy river bottom land, through scattering cottonwood and mesquite timber and dense arrow weed and watermoat undergrowth from 8 to 12 ft. high.
- 19.00 Leave timber bears 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. marked on brass cap ¹⁹¹² 34 in W. half and S 35 in E. 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 cor.
- 54.90 Intersect left bank of the Gila River 4 ft. high bears N $60^{\circ}E.$ and S $60^{\circ}W.$ Leave undergrowth bears NE. and SW. over dry sandy river bed.
- 61.60 Intersect right bank of the Gila River 5 ft. high bears N $60^{\circ}E.$ and S $60^{\circ}W.$ Enter level sandy bottom land and dense arrow weed undergrowth 10 ft. high.
- 62.50 Leave undergrowth bears NE. and SW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26, 27, 34, and 35. marked on brass cap ¹⁹¹² T. 8 S., S 27 in NW., R 19 W., S 26 in NE. S 35 in SE. and S. 34 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.
 Soil sandy 1 st. and 2nd. rate.
 Timber cottonwood and mesquite.

Note: At this cor I set off $19^{\circ}57'S.$ on the decl. arc, and at noon observe the sun on the meridian. the resulting latitude being $32^{\circ}42'N.$

- N. $89^{\circ}59'E.$, on a random line, bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.22 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 25, 26, 35, and 36, hereinbefore described.
 Thence I run

Partial Subdivision of T 8 S., R. 19 W.

- Chains. N. 89°59'W, on a true line, bet. secs. 26 and 35.
Over level sandy river bottom land, through dense arrow weed
and watermoat brush 15. ft. high.
- 7.80 Intersect left bank of the Gila River 4 1/2 ft. high bears
N 50°E. and S 50°W., Leave undergrowth bears NE. and SW.
thence over dry sandy river bed.
- 15.30 Right bank of river on island bears N 60°E. 15.00 chs. and
S 60°W. about 20.00 chs. dist.. Enter dense undergrowth
5 ft. high.
- 35.40 West side of island intersect left bank of Gila River 5 ft.
high bears N 60°E. and S 60°W. Leave undergrowth bears
NE. and SW. over dry sandy river bed.
- 40.11 The point for the 1/4 sec. cor. falls in bed of river; therefore
I continue my line N 89°59'W.
- 40.20 Leave river bed, over flood plane, subject to overflow to
a depth of 4 ft.
- 46.00 Intersect right bank of the Gila River 4 ft. high bears
N 50°E. and S 50°W. Enter dense arrow weed and watermoat
brush undergrowth 10 ft. high.
- 46.80 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the
ground for witness cor. to the 1/4 sec. cor. marked on brass
cap¹⁹¹² WC 1/4 in E. half, S 26 in NW. and S 35 in SW. quadrant.
from which
A cottonwood 10 ins. in diam. bears N. 36 1/2° E. 24 lks. dist.
marked WC 1/4 S. 26 BT. No other 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.
- 52.70 Dry sand wash 50 lks. wide course SW. Enter scattering
mesquite timber bears NE. and SW.
- 59.30 Leave timber bears NE. and SW.
- 69.25 Old road to Wellton Arizona bears NE. and SW.
- 80.22 The cor. of secs. 26, 27, 34, and 35, hereinbefore descr. bed
Land level.
Soil sandy 1st. and 2nd. rate.
Timber mesquite and scattering cottonwood.

November 21. 1912.

November 30¹⁹¹²: At 7^h 19^m a.m., l.m.t. I set off 32°42'N. on
the lat. arc, 21°27'S. on the decl. arc and determine a
meridian with the solar at the cor. of secs. 26, 27, 34,
and 35, hereinbefore descr. bed.

Thence I run

- N. 0°01'W, bet. secs. 26 and 27.
Over rolling sandy river bottom land, through scattering
mesquite timber and brush.
- 9.10 Road from Phoenix to Yuma Arizona bears N 60°E. and S 60°W.
- 14.10 Leave river bottom land bears NE. and SW. Enter low rolling
hills.
- 21.00 Dry sand wash 80 lks. wide course SE.
- 28.00 Enter dry sand wash course SE.
- 31.60 Leave sand wash.
- 39.80 Enter same sand wash
- 40.00 The point for the 1/4 sec. cor. falls in wash where natural
causes would insure the destruction of the cor. therefore
I continue my line N 0°01'W.
- 41.00 Leave sand wash course S 10°E. over level bottom land.
- 41.50 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the
ground for witness cor. to the 1/4 sec. cor. marked on brass
cap¹⁹¹² WC 1/4 in S. half. S. 27 in NW. and S 26 in NE. quadrant.
from which
A palo verde 12 ins. in diam. bears S. 77 1/2° E. 133 lks. dist.
marked 1/4 S. 26 BT.
A palo verde 14 ins. in diam. bears S. 89 3/4° W. 84 lks^{dist.} marked
1/4 S. 27 BT.
- 68.50 The same sand wash 150 lks. wide course SW.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the
ground for cor. of secs. 22, 23, 26, and 27. marked on brass
cap¹⁹¹² T 8 S. S 22 in NW.; R 19 W.; S 23 in NE, S 26 in SE. and
S. 27 in SW. quadrant. from which

Partial Subdivision of T 8 S., R. 19 W.

Chains.	A palo verde 6 ins.in diam.bears N. $14\frac{3}{4}^{\circ}$ E. 82 lks.dist. marked T 8 S., R.19 W.S 23 BT.
	A palo verde 12 ins.in diam.bears S. $54\frac{1}{2}^{\circ}$ E. 330 lks.dist. marked T 8 S. R.19 W. S 26 BT.
	A palo verde 4 ins.in diam.bears S. $19\frac{3}{4}^{\circ}$ W 121 lks.dist. marked T 8 S., R.19 W. S 27 BT. and
	A palo verde 7 ins.in diam.bears N. $23\frac{1}{2}^{\circ}$ W. 235 lks.dist. marked T 8 S., R.19 W. S 22 BT.
	Land rolling and hilly. Soil sandy and stony 1st., 2nd., and 3 rd. rate. Timber mesquite and palo verde.
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	S. $89^{\circ}59'$ E., on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect N. and S. line, 10 lks. N. of the cor. of secs. 23, 24, 25, and 26, herebefore described
	Thence I run
	N. $89^{\circ}55'$ W., on a true line, bet. secs. 23 and 26.
	Ascend NE. slope of ridge over stony hilly land, through scattering greasewood brush undergrowth 3 ft. high.
5.00	Top of ascent on E. edge of stony mesa bears N. and S. Enter level land.
12.40	West edge of mesa leave level land, and descend SW. slope.
13.65	Foot of descent in sand wash. course south. Enter palo verde, mesquite and ironwood timber bears N., and S.
16.00	Leave sand wash and timber bears N. and S., Ascend E. slope.
25.50	Top of ascent on stony ridge bears NE and SW.
27.00	Foot of descent in dry sand wash course south, thence over dry bed of wash.
29.70	Leave sand wash, ascend E. slope of ridge.
39.35	Top of stony ridge bears N. and S. desc.
40.08	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 23 in N. half and S 26 in S. half.
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
41.50	Dry ravine course SE. (230 lks. wide)
46.30	Top of ridge bears NW. and SE. desc.
49.75	Dry ravine 30 lks. wide course SE. asc.
53.00	Top of ridge bears NW. and SE. desc.
57.00	Dry ravine 20 lks. wide course SE. asc.
62.30	Top of ridge bears NW. and SE. desc.
67.05	Dry ravine 20 lks. wide course SE. asc.
69.50	Top of ridge bears NW. and SE. desc.
75.00	Dry sand wash 150 lks. wide course SW.
80.16	The cor. Of secs. 22, 23, 26, and 27, herebefore described
	Land hilly. Soil stony 3 rd. rate. Timber scattering palo verde, mesquite and ironwood.
	Note: At this cor. I set off $21^{\circ}40\frac{1}{2}'$ S. on the decl. arc and at noon observe the sun on the meridian the resulting latitude being $52^{\circ}43'$ N.
	November 30, 1912.

	December 2 1912. At $1^{\text{h}} 50^{\text{m}}$ p.m., l.m.t. I set off $32^{\circ}42\frac{1}{2}'$ N on the lat. arc, $21^{\circ}59'$ S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 22, 23, 26, and 27, herebefore described
	Thence I run
	N. $0^{\circ}01'$ W., bet. secs. 22 and 23.
	Over stony gravelly land through mesquite, palo verde, and ironwood timber and greasewood brush undergrowth from 2 to 5 ft. high.
3.25	Dry sand wash 60 lks wide course SE.
21.00	The same sand wash, 150 lks. wide course S 70° W.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the

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Chains

ground for $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹¹² $\frac{1}{4}$ S 22 in W. half and S 23 in E. half. from which
An ironwood 14 ins. in diam. bears N 55 $\frac{1}{4}$ ° E. 144 lks. dist., marked $\frac{1}{4}$ S 23 BT. No other trees within limits.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.

- 42.00 The same sand wash, 300 lks. wide course SE.
- 60.50 The same sand wash, 250 lks. wide course S 10° W.
- 68.00 The same sand wash, 300 lks. wide course S 70° W.
- 70.00 Top of ridge, bears E. and W.
- 71.00 Dry ravine, 60 lks. wide, course S 30° E.
- 73.00 Top of ridge, bears N. 10° W. and S 10° E. desc.
- 75.00 Dry ravine, 5 lks. wide, course SE. asc.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 14, 15, 22, and 23. marked on brass cap ¹⁹¹² T 8 S., S 15 in NW., R 19 W., S 14 in NE., S 23 in SE. and S 22 in SW. quadrant.
Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. No trees within limits. Pits impracticable.
Land rolling and hilly.
Soil gravelly and stony 3rd. and 4th. rate.
Timber scattering mesquite, ironwood, and palo verde.

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- 40.00 S. 89° 55' E., on a random line, bet. secs. 14 and 23. Set temp. $\frac{1}{4}$ sec. cor.
 - 30.20 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 13, 14, 23, and 24, ~~herebefore~~ described
Thence I run
N. 89° 49' W., on a true line, bet. secs. 14 and 23.
Ascend NE. slope of ridge over stony hilly land through scattering palo verde timber and brush.
 - 4.40 Top of ridge bears NW. and SE. desc.
 - 6.80 Dry ravine 30 lks. wide course SE. asc.
 - 8.90 Top of ridge bears N. and S. descend W. slope over bluff.
 - 9.25 Dry sand wash 400 lks. wide at foot of descent course south.
 - 31.30 Dry ravine 15 lks. wide 15 ft. deep course SE. asc.
 - 35.25 Top of ridge bears NW. and SE. desc.
 - 38.75 Dry ravine 25 lks. wide course south asc.
 - 40.10 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 ¹⁹¹² $\frac{1}{4}$ S. 14 in N. half and S. 23 in S. half.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. No trees suitable for bearing trees within limits. Pits impracticable.
 - 45.40 Top of ridge bears N. and S. desc.
 - 49.50 Dry ravine 20 lks. wide course SW. asc.
 - 51.70 Top of ridge bears NE. and SW.
 - 57.00 Dry ravine 90 lks. wide course south.
 - 60.50 Top of ridge bears NE. and SW. desc.
 - 73.60 Dry ravine 100 lks. wide course south. asc.
 - 77.00 Point of ridge bears NE. and SW.
 - 78.30 Dry sand wash 60 lks. wide course SE. asc.
 - 80.20 The cor. of secs. 14, 15, 22, and 23, ~~herebefore~~ described
Land hilly.
Soil stony 3 rd. rate.
Timber scattering paloverde, mesquite and ironwood.

Note: The northern portion of this township being of a rough mountainous character, unsuitable for agricultural and grazing purposes I discontinue the subdivision of the second tier of sections at the cor. of secs. 14, 15, 22, and 23,

December 2, 1912.

November 22¹⁹¹² At 7^h 47^m a.m., l.m.t. I set off 32° 41' N on the lat. arc, 209° 05' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 33 and 34

Partial Subdivision of T 8 S. R 19 W.

- Chains on S. bdy. of Tp., which is an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap and witnessed as described by the Surveyor General.
- Thence I run
N. 0°02' W., bet. secs. 33 and 34.
Over level sandy river bottom land, through scattering mesquite and cottonwood timber and dense arrow weed and watermoat undergrowth 12 ft. high.
- 39.70 Intersect the left bank of the Gila River 3 ft. high bears E. and W. Leave timber and undergrowth bears E. and W. thence over dry sandy river bed.
- 40.00 The point for the $\frac{1}{4}$ sec. cor. falls in river bed where natural causes would insure the destruction of the cor. therefore at
- 39.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor., marked on brass cap WC $\frac{1}{4}$ in N. half. S 34 in SE. and S 33 in SW. quadrant.
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.
No trees suitable for bearing trees within limits.
- 53.60 Intersect right bank of the Gila River 5 ft. high bears E. and W. Enter scattering mesquite timber and dense arrow-weed undergrowth 10 ft. high.
- 62.20 Leave timber bears E. and W.
- 65.40 Road from Phoenix to Yuma Arizona bears E. and W.
- 67.90 Leave level river bottom land bears E. and W. Enter hilly land, ascend gradually over S. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 27, 28, 33, and 34. marked on brass cap T 8 S., S 28 in NW., R 19 W. S 27 in NE., S 34 in SE. and S 33 in SW. quadrant.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
Land level and hilly:
Soil sandy and gravelly 1st. and 3rd. rate.
Timber mesquite and cottonwood.
- @ @
- N. 89°59' E., on a random line, bet. secs. 27 and 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line, 18 lks. N. of the cor. of secs. 26, 27, 34. and 35, hereinafter described
- Thence I run
N. 89°53' W., on a true line, bet. secs. 27 and 34.
Over level sandy river bottom land, through scattering scrub mesquite timber and salt brush undergrowth 3 ft. high
- 8.70 Dry sand wash 40 lks. wide 3 ft. deep course south.
- 11.40 Old road to Wellton Arizona bears N 80° W. and S 80° E.
- 13.70 Road from Phoenix Arizona to Yuma Ariz. bears N 80° E. and S 80° W.
- 13.80 Leave level river bottom land bears N 75° E. and S 75° W.
Enter low gravelly hills. asc. SE. slope.
- 20.00 Top of ascent on E. edge of stony flat.
- 40.05 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 27 in N. half and S 34 in S. half.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
Pits impracticable. No trees suitable for bearing trees within limits.
- 43.90 Dry sand wash 200 lks. wide course south.
- 50.00 Dry sand wash 50 lks. wide 2 $\frac{1}{2}$ ft. deep, course south, ascend.
- 60.50 Top of ascent on ridge bears N. and S.
- 61.00 Begin descent over W. slope of ridge.
- 63.30 Dry sand wash 150 lks. wide course south.
- 70.80 Top of ridge bears N. and S. thence over rolling land.
- 80.10 The cor. of secs. 27, 28, 33, and 34, hereinafter described
Land level and hilly.
Soil sandy and stony 1st., 2nd., and 3rd. rate.
Timber scrub mesquite.

Partial Subdivision of T 8 S., R. 19 W.

chains. Note: At this cor. I set off 20°10'S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 32°42'N. on the lat. arc.

November 22, 1912.

December 3¹⁹¹² At 7^h 50^m a.m., l.m.t. I set off 32°42'N. on the lat. arc, 22°03'S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 27, 28, 33, and 34, ~~heret. before descr. bed~~

Thence I run

N. 09°02'W., bet. secs. 27 and 28.

Ascend S. slope over stony hilly land through scattering mesquite, catclaw, and ironwood timber.

5.00 Top of ridge bears NW. and SE. desc.
15.00 Dry ravine 300 lks. wide course SE. asc. gradually over low hills.

22.90 Dry ravine 45 lks. wide 4 ft. deep course SE.

27.40 Dry ravine 120 lks. wide 3 ft. deep course SW.

29.30 The same ravine 100 lks. wide course SE. asc.

38.00 Top of ridge bears NW. and SE. desc.

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 ¹⁹¹² $\frac{1}{4}$ S. 28 in W. half and S 27 in E. half. No trees suitable for bearing trees available.

Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor.

Pits impracticable.

44.60 Dry ravine 30 lks. wide course SE.

45.70 The same ravine 25 lks. wide course SW.

52.00 Enter dry ravine course SW. thence in ravine.

57.00 Leave ravine comes from the NW. asc. SW. slope.

64.20 Top of ascent on W. slope of ridge desc. over NW. slope.

72.15 Dry ravine 60 lks. wide course SW.

77.60 Dry ravine 50 lks. wide course SE. asc.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 21, 22, 27, and 28 marked on brass cap ¹⁹¹²T 8 S. S21 in NW., R 19 W. S 22 in NE., S27 in SE. and S 28 in SW. quadrant.

Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor.

No trees suitable for bearing trees within limits.

Pits impracticable.

Land hilly.

Soil stony 3 rd, and 4 th. rate.

Timber scattering mesquite, ironwood, and catclaw.

S. 89°53'E., on a random line, bet. secs. 22 and 27.

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

80.16 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 22, 23, 26, and 27, ~~heret. before descr. bed~~

Thence I run

N. 89°54'W., on a true line, bet. secs. 22 and 27.

Descend W. slope of ridge over hilly stony land, through scattering mesquite and ironwood timber and scattering greasewood brush undergrowth 3 to 4 ft. high.

5.00 Dry ravine 20 lks. wide 3 ft. deep course south.

9.25 Dry ravine 20 lks. wide 6 ft. deep course SE. asc.

28.50 Top of ridge bears NW. and SE. desc.

37.85 Dry ravine 10 lks. wide course SE. asc.

38.60 Top of ridge bears NW. and SE. desc.

40.08 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 ¹⁹¹² $\frac{1}{4}$ S. 22 in N. half and S 27 in S. half.

Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.

No trees suitable for bearing trees available. Pits impracticable.

42.85 Dry ravine, 15 lks. wide course south asc.

51.55 Top of ridge, bears N. and S. desc.

58.70 Dry ravine, 30 lks. wide course south ascend over stony flat

65.60 Dry ravine, 40 lks. wide 6 ft. deep course SE. asc.

Partial Subdivision of T.8 S., R.19 W.

Chains

- 75.40 Top of ridge bears NW. and SE. desc.
 76.90 Dry ravine 30 lks. wide course SW. asc.
 80.16 The cor. of secs. 21, 22, 27, and 28, ~~heret. before~~ described
 Land hilly.
 Soil stony 3rd. and 4th. rate.
 Timber scattering mesquite and ironwood.
- Note: At the $\frac{1}{4}$ sec. cor., bet. secs. 22 and 27 I set off $22^{\circ}07\frac{1}{2}'S$ on the decl. arc and at noon observe the sun on the meridian the resulting latitude being $32^{\circ}42\frac{1}{2}'N$
-
- N. $0^{\circ}02'W.$, bet. secs. 21 and 22.
 Ascend SW. slope of ridge over stony mountainous land, through scattering greasewood brush undergrowth from 2 to 4 ft. high.
- 6.20 Top of spur bears NW. and SE. desc.
 8.60 Dry ravine 10 lks. wide course SE. ascend abrupt SW. slope.
 22.00 Top of spur bears NW. and SE. desc.
 32.50 Dry ravine 10 lks. wide course SE. asc.
 36.40 Top of spur bears NW. and SE. desc.
 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 $19\frac{1}{2}'S$ 21 in W. half and S 22 in E. half.
 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
- 56.90 Dry ravine 25 lks. wide course W. asc.
 66.60 Top of spur bears NW. and SE. desc. steeply.
 77.25 Dry ravine 30 lks. wide course S $80^{\circ}E.$ asc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 15, 16, 21, and 22. marked on brass cap $19\frac{1}{2}'S$ S 13 in NW., R 19 W., S 15 in NE., S 22 in SE. and S 21 in SW. quadrant.
 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony 3rd. and 4th. rate.
 No timber.
- December 3, 1912.
-
- December 6, ¹⁹¹² At 8^h 51^m a.m., l.m.t. I set off $32^{\circ}43\frac{1}{2}'N.$ on the lat. arc, $22^{\circ}29'S.$ on the decl. arc and determine a meridian with the solar at the cor. of secs. 15, 16, 21, and 22, above described,
- Thence I run
 S. $89^{\circ}54'E.$, on a random line, bet. secs. 15 and 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 14, 15, 22, and 23, ~~heret. before~~ described
- Thence I run
 N. $89^{\circ}50'W.$, on a true line, bet. secs. 15 and 22.
 Over rolling stony land slopes to the east.
- 19.30 Leave rolling land, bears NW. and SE., enter hilly land, descend into dry ravine.
 27.75 Dry ravine, 60 lks. wide, course SE. asc.
 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}S$ 15 in N. half and S 22 in S. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Pits impracticable.
- 42.00 Begin steep ascent over mountainous land, bears NW. and SE.
 52.10 Top of spur, bears NW. and SE. desc.
 57.60 Dry ravine, 10 lks. wide, course SE., asc.
 60.00 Top of spur, bears N. and S., desc.
 65.00 Dry ravine, 15 lks. wide, course SE., asc.
 66.00 Top of spur, bears NW. and SE., desc.
 73.00 Dry ravine, 25 lks. wide, course SE. asc.
 80.04 The cor. of secs. 15, 16, 21, and 22, ~~heret. before~~ described

Partial Subdivision of T 8 S., R. 19 W.

Chain

Land rolling, hilly, and mountainous.
Soil stony 3 rd. and 4th. rate.
No timber,
Mountainous land. 38.04 chs.

Note: The northern portion of this township being very rough and mountainous, unsuitable for agricultural and grazing purposes I discontinue the subdivision of the third tier of sections at the cor. of secs. 15, 16, 21, and 22.

December 6, 1912.

November 22¹⁹¹² At 12^h 48^m p.m., l.m.t. I set off 32°41' N. on the lat. arc 20°11' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 32 and 33 on S. bdry. of Tp., which is an iron post 3 ins. in diam. 12 ins. above ground, firmly set, marked ^{in brass cap} and witnessed as described by the Surveyor General.

Thence I run,
N. 0°02' W., bet. secs. 32 and 33.

Over level sandy river bottom land, through mesquite and cottonwood timber and dense arrow weed and watermoat underbrush 12 ft. high.

- 22.00 Leave mesquite timber, bears E. and W.
- 26.00 Leave cottonwood timber, bears E. and W.
- 39.50 Intersect bottom land, subject to overflow from 1 to 3 ft. deep.
- 40.00 The point for the 1/4 sec. cor. falls on unsafe ground; therefore at
- 38.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for witness cor. to the 1/4 sec. cor. marked on brass cap ¹⁹¹² WC 1/4 in N. half. S 35 in SE. and S 32 in SW. quadrant.
- Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
- 67.60 Intersect left bank of the Gila River bears N 70°E. and S. 70°W. Leave undergrowth bears NE. and SW. over dry sandy river bed.
- 71.10 Intersect right bank of the Gila River bears N 70°E. and S 70°W. Enter scattering mesquite timber and dense undergrowth 10 ft. high.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 28, 29, 32, and 33. marked on brass cap ¹⁹¹² T 8 S., S 29 in NW., R 19 W. S 28 in NE., S 33 in SE. and S. 32 in SW. quadrant. from which
A mesquite 18 ins. in diam. bears N 61 1/2° E. 279 lks. dist, marked T 8 S., R 19 W. S 28 BT.
A mesquite 16 ins. in diam. bears N 26° W. 438 lks. dist. marked T 8 S., R 19 W., S 29 BT. No other trees within limits.
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land level.
Soil sandy loam 1 st. and 2 nd. rate.
Timber mesquite and cottonwood.

N. 89°59' E., on a random line, bet. secs. 28 and 33.

- 40.00 Set temp. 1/4 sec. cor.
- 80.12 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 27, 28, 33 and 34, ~~hereat~~ before described

Thence I run,
N. 89°54' W., on a true line, bet. secs. 28 and 33.

Descend SW. slope over stony hilly land through scattering ironwood timber.

- 16.00 Dry ravine, 100 lks. wide, course south, asc.
- 28.00 Top of ridge, bears NW. and SE., desc. SW. slope.
- 33.40 Dry ravine, 200 lks. wide, course SW., asc.
- 39.00 Top of ridge, bears N. and S.; desc.
- 40.06 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 ¹⁹¹² S 28 in N.

Partial Subdivision of T.8 S., R.19 W.

Chains.

N half and S.33 in S.half.
Raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.
No trees suitable for bearing trees available. Pits impracticable.

- 42.50 Dry ravine 100 lks.wide course south .
57.00 Point of ridge bears NW.and SE. desc.
58.50 Foot of descent leave hilly land bears N 50°W.and S 50°E. enter level bottom land in Gila River valley.
59.00 Enter dense arrow weed undergrowth 8 ft.high bears NW.and SE.
62.50 Road from Phoenix to Yuma Arizona, bears NW.and SE.
80.12 The cor.of secs.28,29,32, and 33, ~~heret~~ before descr bed
Land level and hilly.
Soil sandy and stony 1st., 2nd., and 3rd.rate.
Timber ironwood and mesquite.

November 22, 1912.

December 4¹⁹¹² At 7^h 50^m a.m., l.m.t. I set off 32°42'N. on the lat.arc, 22°11 $\frac{1}{2}$ 'S. on the decl.arc, and determine a meridian with the solar at the cor.of secs.28, 29, 32, and 33, ~~heret~~ before descr bed

Thence I run,
N. 0°02'W., bet.secs.28 and 29.
Over level sandy river bottom land, through scattering mesquite timber and dense arrow weed undergrowth 8 ft. high.

- 9.35 Road from Phoenix to Yuma Arizona, bears NW.and SE.
10.70 Leave level bottom land and timber, bears NW.and SE. Enter stony hilly land.ascend SW. slope.
37.80 Dry ravine, 30 lks.wide, 10 ft.deep, course SW. asc.
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 cap¹⁹¹² $\frac{1}{4}$ S 29 in W. half and S 28 in E. half.
Raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
Pits impracticable.
41.50 Top of ridge, bears NE.and SW., desc.
46.00 Dry ravine, 20 lks.wide, course SW., asc.
48.00 Top of spur, bears NE.and SW., desc.
50.70 Dry ravine, 30 lks.wide, course SW., asc.
50.80 Dry ravine, 60 lks.wide, course SW.
62.50 Top of spur, bears NE.and SW., desc.
67.50 Dry ravine, 20 lks.wide, course SW., asc.
80.00 Set an iron post 3 ft.long, 2 ins.in diam.24 ins.in the ground for cor.of secs.20, 21, 28, and 29. marked on brass cap¹⁹¹² T 8°S., S20 in NW.; R-19 W.; S 21 in NE., S 28 in SE. and S 29 in SW. quadrant.
Raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
Pits impracticable.
Land level and hilly.
Soil sandy and stony 1st.and 3rd.rate.
Timber mesquite.

- 40.00 S. 89°54'E. on a random line, bet.secs.21 and 28.
80.10 ~~Set temp. $\frac{1}{4}$ sec. cor.~~ Intersect N.and S. line, at the cor.of secs.21, 22, 27, and 28, ~~heret~~ before descr bed

Thence I run,
N. 89°54'W., on a true line, bet.secs.21 and 28.
Descend W.slope of spur over very stony mountainous land through scattering greasewood brush undergrowth 3 ft. high.

- .40 Dry ravine, 20 lks.wide, course south, asc.
5.90 Top of spur, bears N.and S., desc.
23.60 Dry ravine, 90 lks.wide, 20 ft.deep, course south.
31.90 Dry ravine, 40 lks.wide, course SE., asc.
40.05 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 cap¹⁹¹² $\frac{1}{4}$ S 21 in N. half and S 28 in S.half.
Raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.

Partial Subdivision of T. 8 S., R. 19 W.

Chains. Pits impracticable

Note: At this cor. I set off $22^{\circ}16\frac{1}{2}'$ S. on the decl. arc and at noon observe the sun on the meridian, the resulting latitude being $32^{\circ}43'$ N. nearly.

41.70 Top of spur, bears NW. and SE., desc.

44.40 Dry ravine, 20 lks. wide, course SE., asc.

54.00 Top of spur, bears E. and S., desc.

60.30 Dry ravine, 20 lks. wide, course SE., asc.

65.00 Top of spur, bears NE. and SW., desc.

72.60 Dry ravine, 30 lks. wide, course SW., asc.

80.10 The cor. of secs. 20, 21, 28, and 29, herebefore described
Land mountainous.
Soil stony 3rd. and 4th. rate.
No timber.

N. $0^{\circ}02'$ W., bet. secs. 20 and 21.

Ascend steep rocky SE. slope, over mountainous land.

2.30 Top of spur, bears NE. and SW., thence along W. slope of ridge, ascending.

6.00 Top of spur, bears NE. and SW., desc.

9.10 Dry ravine, 8 lks. wide, course SW., asc.

19.30 Top of spur, bears NE. and SW., desc.

29.80 Dry ravine, 20 lks. wide, course SW., asc.

34.75 Top of spur, bears NE. and SW., desc.

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 ¹⁹¹² S 20 in W. half and S 21 in E. half.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.

41.00 Dry ravine, 20 lks. wide, course SW., asc.

44.70 Top of spur, bears NE. and SW., desc.

52.00 Dry ravine, 70 lks. wide, course SW., asc.

59.40 Top of ascent, on point of spur, bears E. and W. desc.

64.40 Dry ravine, 10 lks. wide, course SE., asc.

65.35 Top of spur, bears NW. and SE., desc.

68.55 Dry ravine, 15 lks. wide, course East, asc.

77.80 Top of spur, bears NW. and SE., desc.

80.00 The point for the cor. of secs. 16, 17, 20, and 21 falls on edge of cliff where I am unable to establish a permanent cor.; therefore I cut a cross at the exact cor. point and at

80.30 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for witness cor. to the cor. of secs. 16, 17, 20, and 21. marked on brass cap ¹⁹¹² WC N. of center T 8 S., R. 19 W. in N. half. S 17 in NW. S 16 in NE., S 21 in SE. and S 20 in SW. quadrant.
Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
Land mountainous.
Soil stony 4 th. rate.
No timber.

December 4, 1912.

December 6 ¹⁹¹² At 1^h 51^m p.m., l.m.t. I set off $32^{\circ}43\frac{1}{2}'$ N. on the lat. arc, $22^{\circ}31'$ S. on the decl. arc and determine a meridian with the solar at the ^{Witness to cor.} cor. of secs. 16, 17, 20, and 21, above described,
From true point for cor. of secs. 16, 17, 20 & 21, I run, S. $89^{\circ}54'$ E., on a random line, bet. secs. 16 and 21.

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

80.10 Intersect N. and S. line, 8 lks. N. of the cor. of secs. 15, 16, 21, and 22, herebefore described
Thence I run, N. $89^{\circ}51'$ W., on a true line, bet. secs. 16 and 21.
Ascend E. slope of spur, over stony mountainous land, through greasewood brush undergrowth 3 ft. high.

24.00 Top of spur, bears NW., and SE., desc.

Partial Subdivision of T.8 S., R.19W.

Chains.

- 27.70 Dry ravine, 20 lks. wide, course SE, asc.
 29.60 Top of spur, bears NW. and SE., desc.
 38.40 Dry ravine, 25 lks. wide, course SE., asc.
 40.05 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 $\overset{1912}{\wedge}$ $\frac{1}{4}$ S 16 in N. half and S 21 in S. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Pits impracticable.
 41.00 Top of spur, bears N. and S., desc.
 42.50 Dry ravine, course north, asc.
 44.70 Top of round butte, 200 ft. above sec. cor., desc.
 47.20 Dry ravine, 25 lks. wide, course north, asc.
 62.60 Top of high stony ridge, bears NW. and SE., desc.
 75.85 Dry ravine, 40 lks. wide, course south, ascend abruptly over E. slope of spur.
 80.10 True ~~cor.~~ ^{point for} of secs. 16, 17, 20, and 21, 30 lks. S. $0^{\circ}2'E$ of WC. ~~here before described~~
 Land mountainous.
 Soil stony 3rd. and 4th. rate.
 No timber.
- Note: The northern portion of this township being rough and mountainous, unsuitable for agricultural and grazing purposes I discontinue the subdivision of the ~~fourth~~ ^{point for} tier of sections at the ~~cor.~~ ^{point for} of secs. 16, 17, 20, and 21,
- NOTE: Clouds obscure the sun at noon today rendering an observation for latitude with the solar impossible.
- December 6, 1912.
- November 23, ¹⁹¹² At 10^h 47^m a.m., l.m.t. I set off $32^{\circ}41'N$. on the lat. arc, $20^{\circ}22'S$. on the decl. arc and determine a meridian with the solar at the cor. of secs. 31 and 32. on S. bdy. of Tp., which is an iron post 3 ins. in diam. 12 ins. above ground, firmly set, marked ^{on brass cap} \wedge and witnessed as described by the Surveyor General.
- Thence I run
 N. $09^{\circ}03'W$. bet. secs. 31 and 32.
 Over level sandy river bottom land, through dense arrow weed and watermoat undergrowth from 6 to 10 ft. high
 17.90 Enter cottonwood timber, bears E. and W.
 27.75 Leave timber, bears E. and W.
 Note: At this point I set off $20^{\circ}23'S$. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $32^{\circ}42'N$. on the latitude arc, which is a little higher than the calculated latitude of this station.
 32.90 Intersect left bank of the Gila River 4 ft. high bears N $50^{\circ}E$. and S $50^{\circ}W$. Leave undergrowth bears NE. and SW. over dry sandy river bed.
 40.00 The point for the $\frac{1}{4}$ sec. cor. falls in the dry bed of the Gila river therefore I return to the left bank of river and at
 31.50 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor. marked on brass cap $\overset{1912}{\wedge}$ WC $\frac{1}{4}$ in N. half, S 32 in SE, and S 31 in SW. quadrant.
 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.
 48.70 Intersect right bank of the Gila River, 6 ft. high, bears N. $50^{\circ}E$. and S. $50^{\circ}W$. Enter scattering mesquite and cottonwood timber and dense undergrowth, 8 ft. high, bears NE. and SW.
 55.80 Dry sand wash, 60 lks. wide, course SE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29, 30, 31, and 32. marked on brass cap $\overset{1912}{\wedge}$ T 8 S, R 19 W. in N. half. S 30 in NW. S 29 in NE., S 32 in SE. and S 31 in SW. quadrant.

Partial Subdivision of T.8 S., R.19 W.

Chains. from which.

A cottonwood 24 ins.in diam.bears N. 53°E., 283 lks.dist. marked T 8 S. R.19 W. S 29 BT.

A cottonwood 26 ins.in diam.bears N. 56°W., 216 lks.dist. marked T 8 S. R.19 W.S 30 BT.

A mesquite 9 ins.in diam.bears S. 71¼° E., 110 lks.dist. marked T 8 S. R.19 W. S 32 Bt'. No other 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 W.of cor.
Land level.
Soil sandy 1st.and 2nd.rate.
Timber cottonwood and mesquite.

N. 89°59'E., on a random line, bet.secs.29 and 32.

40.00 Set temp.¼ sec.cor.

80.26 Intersect N.and S.line, 16 lks.N.of the cor.of secs.28, 29, 32, and 33, ~~herebefore described~~

Thence I run,
N. 89°54'W., on a true line, bet.secs.29 and 32.
Over level sandy river bottom land, through scattering mesquite timber and dense arrow weed undergrowth, 8 ft. high.

40.13 Set an iron post 3ft.long, 1 in.in diam. 26 ins.in the ground for ¼ sec.cor.marked on brass cap ¹⁹²¼ S 29 in N, half and S 32 in S.half. No trees suitable for bearing trees within the prescribed limits.

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

53.60 Cottonwood thicket, 50 lks.wide, bears NW.and SE.

80.26 The cor.of secs.29, 30, 31 and 32, ~~herebefore described~~
Land level.
Soil sandy 1st.rate.
Timber mesquite and cottonwood.

S. 89°59'W., on a random line, bet.secs.30 and 31.

40.00 Set temp.¼ sec.cor.

76.32 Intersect W.bdry.of Tp., 12 lks.S.of the cor.of secs.25, 30, 31, and 36, *estab.by me this day as described in Book "B"*

Thence I run,
S. 89°56'E., on a true line, bet.secs.30 and 31.
Over level sandy river bottom land, through scattering mesquite timber and dense arrow weed undergrowth, 6 ft. high.

36.32 Set an iron post 3 ft.long, 1 in.in diam. 26 ins.in the ground for ¼ sec.cor.marked on brass cap ¹⁹²¼ S, 30 in N. half and S 31 in S. half.

No trees large enough for bearing trees within the prescribed limits.

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

71.00 Cottonwood thicket, 30 lks.wide, bears NE.and SW.

76.32 The cor.of secs.29, 30, 31, and 32, ~~herebefore described~~
Land level.
Soil sandy 1st.and 2nd.rate.
Timber mesquite and cottonwood.

November 23, 1912.

December 5 ¹⁹¹² At 8^h 21^m a.m., l.m.t. I set off 32°42'N on the lat.arc, 22°21'S on the decl.arc and determine a meridian with the solar at the cor.of secs.29, 30, 31, and 32, ~~herebefore described~~

Thence I run,
N. 0°03'W., bet.secs.29 and 30.
Over level sandy river bottom land, through scattering mesquite and cottonwood timber and dense arrow weed undergrowth, 6 to 8 ft.high.

4.10 Leave cottonwood timber, bears E.and W.

33.00 Leave mesquite timber, bears E.and W.

Partial Subdivision of T.8 S., R.19 W.

Chains

- 34.83 Wire fence, bears E. and W.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹² $\frac{1}{4}$ S 30 in W. half and S 29 in E. half. from which
 A mesquite, 6 ins. in diam. bears S. $34\frac{1}{4}^{\circ}$ E., 67 lks. dist. marked $\frac{1}{4}$ S. 29 BT.
 A mesquite, 12 ins. in diam. bears S. 27° W., 128 lks. dist. marked $\frac{1}{4}$ S 30 BT.
 40.30 Road from Phoenix to Yuma Arizona, bears N. 80° W. and S. 80° E.
 41.60 Leave level river bottom land, bears NW. and SE., Enter hilly land, ascend SW. slope.
 42.00 Leave undergrowth, bears NW. and SE.
 51.00 Point of ridge, bears NE. and SW., desc.
 56.80 Dry ravine, course SW., asc.
 68.40 Dry sand wash, 80 lks. wide, course SW.
 73.70 Top of spur, bears N. 80° E. and S. 80° W., desc.
 78.50 Dry ravine, 15 lks. wide course SW., asc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 20, 29, and 30. marked on brass cap ¹⁹²; T.8 S., R.19 W. in N. half, S 19 in NW., S 20 in NE., S 29 in SE. and S 30 in SW. quadrant.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land level and hilly.
 Soil sandy and stony 1st. and 3 rd. rate.
 Timber mesquite and cottonwood.
-
- S. $89^{\circ}54'$ E., on a random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.30 Intersect N. and S. line, 8 lks. S. of the cor. of secs. 20, 21, 28, and 29, herebefore described.
 Thence I run,
 N. $89^{\circ}57'$ W., on a true line, bet. secs. 20 and 29.
 Ascend steep NE. slope of spur, over broken stony mountainous land.
 1.80 Top of spur, bears NE. and SW., desc.
 5.50 Dry ravine, 10 lks. wide, course SW., asc.
 6.30 Point of spur, bears NE. and SW., desc.
 8.40 Dry ravine, 20 lks. wide, course South, asc.
 12.00 Top of spur, bears N. and S., desc.
 15.50 Dry ravine, 30 lks. wide, 10 ft. deep, course S. 80° W., asc.
 19.00 Dry ravine, 50 lks. wide, 6 ft. deep, course S. 80° W.
 34.30 Dry ravine, 50 lks. wide, course south, ascend cliffs.
 38.30 Top of spur, at top of cliffs, 50 ft. high, bears N. and S., desc.
 40.15 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 ¹⁹² $\frac{1}{4}$ S 20 in N. half and S 29 in S. half.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Pits impracticable.
 41.60 Dry ravine, 29 lks. wide, course south, asc.
 43.20 Top of spur, bears N. and S.
 52.50 Dry ravine, 60 lks. wide, course south, asc.
 63.80 Top of spur, bears N. 30° E. and S. 30° W., desc.
 66.10 Dry ravine, 16 lks wide, course SW., asc.
 69.80 Top of spur, bears NE. and SW., desc.
 76.00 Dry ravine, course south, asc.
 78.60 Top of spur, bears N. and S., desc.
 80.30 The cor. of secs. 19, 20, 29, and 30, herebefore described
 Land mountainous.
 Soil stony 4 th. rate.
 No timber.
-
- N. $89^{\circ}56'$ W., on a random line, bet. secs 19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 76.26 Intersect W. bdry. of Tp. 10 lks. N. of the cor. of secs. 19, 24, 25, and 30, recently estab. by me as described in Book "B"
 Thence I run,

Partial Subdivision of T. 8 S., R. 19 W.

- Chains East, on true line bet. secs. 19 and 30.
- Over level sandy river bottom land, through dense arrow weed undergrowth, 5 to 6 ft. high.
- 3.25 Enter dense mesquite timber, bears NW. and SE.
- 20.80 A point 15 lks. south of the SW. cor. of wire fence, bears N. and E.
- 29.20 Leave mesquite timber and dense undergrowth, bears NE. and SW.
- 33.20 Leave river bottom land, bears NW. and SE. Enter stony hilly land, ascend SW. slope.
- 35.50 Top of ridge, bears N. and S., desc.
- 36.26 Set an iron post, 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{19\frac{1}{2}}{4}$ S. 19 in N. half and S 30 in S. half.
- Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
- 36.80 Foot of descent in stony flat. Enter scattering ironwood timber, bears N. and S.
- 41.20 Dry sand wash, course south, asc. W. slope, over mountainous land, bears N. and S.
- 46.50 Top of spur, bears N. and S., desc.
- 52.60 Dry ravine, 30 lks. wide, course south, asc.
- 54.00 Top of ridge, bears N. and S., desc.
- 54.90 Dry ravine, 10 lks. wide, course south, asc.
- 74.60 Top of ridge, bears NE. and SW., desc.
- 76.26 The cor. of secs. 19, 20, 29, and 30, ~~herebefore described~~ Land level, hilly, and mountainous. Soil sandy and stony 2nd. 3rd. and 4th. rate. Timber mesquite. Mountainous land 35.06 chs.

Note : Clouds obscure the sun at noon today rendering an observation for latitude impossible with the solar.

December 5, 1912.

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December 7¹⁹¹² At 8^h 22^m a.m., l.m.t. I set off 32° 42' N. on the lat. arc, 229° 35' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30, ~~herebefore described~~

Thence I run,

N. 0° 03' W., bet. secs. 19 and 20.

Ascend steep rocky SE. slope, over mountainous land.

- 1.00 Top of steep ascent, on spur, bears NE. and SW., desc.
- 16.20 Dry ravine, 100 lks. wide, course SW., asc. over cliffs.
- 23.00 Top of perpendicular cliff, 50 ft. high, bears NE. and SW., desc.
- 24.40 Dry ravine, 30 lks. wide, course west, asc. abruptly.
- 25.50 Top of abrupt ascent, ascend gradually along W. slope.
- 36.00 Top of spur, bears NE. and SW., desc.
- 37.45 Dry ravine, 20 lks. wide, course west, asc.
- 39.10 Top of spur, bears NE. and SW., desc.
- 39.80 Cliffs 100 ft. high, bears NE. and SW.
- 40.00 The point for the $\frac{1}{4}$ sec. cor. falls on face of cliff where I am unable to establish a permanent cor.; therefore I continue my line N. 0° 03' W.
- 42.00 Foot of cliffs, bears NE. and SW. Enter level bottom land and scattering ironwood and mesquite timber, bears NE. and SW.
- 44.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{19\frac{1}{2}}{4}$ S 19 in NW. and S 20 In NE. quadrant. from which
A palo verde 1 ins. in diam. bears N. 58 $\frac{3}{4}$ ° W., 73 lks. dist, marked WC $\frac{1}{4}$ S 19 BT.
A palo verde 5 ins. in diam. bears N. 62 $\frac{1}{4}$ ° E., 82 lks. dist. marked WC $\frac{1}{4}$ S 20 BT.
- 46.60 Entrt dry ravine, course SW.
- 49.10 Leave ravine, ascend steep SE. slope.
- 55.30 Foot of perpendicular cliff, 100 ft. high, bears NE. and SW.
- 58.00 Top of ascent on cliffs, bears NE. and SW., asc. gradually.

Partial Subdivision of T.8 S., R.19 W.

Chains.

- 60.00 North edge of cliffs, descend abruptly.
 62.70 Dry ravine, course SW.
 73.20 Top of ridge, bears NW. and SE., desc.
 73.70 Perpendicular cliff 75 ft. high, bears E. and W., desc.
 80.00 The point for the cor. of secs. 17, 18, 19, and 20, falls in bottom of dry ravine, course N. 20° E., at foot of steep descent.; therefore at
- 79.40 Set an iron post 3 ft. long, 2 in. in diam. 24 ins. in the ground for witness cor. to the cor. of secs. 17, 18, 19, and 20. marked on brass cap ^{3/4} WC N. of center T 8 S. R. 19 W. in N. half, S 18 in NW, S 17 in NE, S 20 in SE. and S 19 in SW. quadrant. No trees available.
 Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony 3rd. and 4th. rate.
 Timber scattering palo verde, mesquite and ironwood.
-
- From true point for cor. of secs. 17, 18, 19 & 20, 60 lks. N. 0° 3' W. of W.C. above described, 1 run, S. 89° 57' E., on a random line, bet. secs. 17 and 20.
- 40.00 Set temp. 1/4 sec. cor.
 80.28 Intersect N. and S. line, 8 lks. N. of the ^{true point for} cor. of secs. 16, 17, 20, and 21, located 30 lks. S. 0° 2' E. of W.C. here before described
 Thence I run, from true cor. point N. 89° 54' W., on a true line, bet. secs. 17 and 20,
 Ascend NE. slope over stony mountainous land.
- 5.30 Top of peak bears N. and S. desc.
 9.80 Dry ravine 60 lks. wide 35 ft. deep course south thence over low ridges and ravines.
 23.40 Dry ravine 15 lks. wide course SW. asc.
 34.70 Top of spur bears NE. and SW. desc.
 37.50 Dry ravine course SW. asc.
 40.14 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 ^{3/4} S. 17 in N. half and S 20 in S. half.
 Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
 Pits impracticable.
- Note: At this cor. I set off 22° 37 1/2' S. on the decl. arc and at noon observe the sun on the meridian the resulting latitude being 32° 43' N.
- 40.80 Top of spur, bears NE. and SW., desc.
 42.00 Dry ravine, 10 lks. wide, course SW.
 43.75 Top of spur, bears NE. and SW., desc.
 45.90 Dry ravine, 10 lks. wide, course SW., asc.
 50.30 Top of ridge, bears NW. and SE., desc.
 61.30 Dry ravine, 30 lks. wide, course SW., asc.
 77.30 Top of spur, bears NW. and SE., desc.
 80.39 The true point for cor. of secs. 17, 18, 19, and 20, in ravine, course NE.
 Land mountainous.
 Soil stony 3rd. and 4th. rate.
 No timber.
-
- West, on a random line, bet. secs. 18 and 19, from cor. point,
- 40.00 Set temp. 1/4 sec. cor.
 76.04 Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, ~~recently established~~ as described in Book "B". Thence I run, East, on a true line, bet. secs. 18 and 19.
 Descend NE. slope of spur, over broken stony mountainous land.
- 1.15 Dry ravine, 15 lks. wide, course NW. asc. abruptly.
 6.75 Top of spur, 150 ft. above cor., bears NW. and SE., desc.
 13.85 Dry ravine, 20 lks. wide course S 20° E., ascend over cliffs.
 21.00 Top of spur, bears N. and S., desc.
 23.50 Descend cliffs, 50 ft. high.
 27.25 Foot of cliffs, in dry ravine, 30 lks. wide, course south, asc.
 31.25 Top of spur, bears N. and S., desc.
 36.04 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the

Partial Subdivision of T.8 S., R.19 W.

Chains.

- ground for $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹¹² $\frac{1}{4}$ Sx18 in N. half and Sx19 in S. half.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Pits impracticable.
- 40.70 Dry ravine, 20 lks. wide, course SE., asc.
 43.85 Top of spur, bears NE. and SW., desc.
 45.30 Dry ravine, 30 lks. wide, in bottom of canyon, 50 ft. deep, course SW., asc.
 46.85 Top of spur, bears NE. and SW., desc.
 49.00 Dry ravine, course SW., asc.
 52.00 Top of spur, bears NE. and SW., desc.
 55.70 Top of cliffs, 75 ft. high, bears NW. and SE., desc.
 56.15 Foot of cliffs, bears N. and S., descend gradually.
 59.50 Dry ravine, 20 lks. wide, course south, asc..
 61.15 Top of spur, bears N. and S., desc.
 63.55 Head of dry ravine, 30 lks. wide, course NE., thence over NE. slope.
 76.04 The true point for cor. of secs. 17, 18, 19, and 20, in dry ravine. course NE.
 Land mountainous.
 Soil stony 4 th. rate.
 No timber.

December 7, 1912.

General Description

The land in this township varies from level to mountainous and the soil ranges from a rich sandy loam to alkali. The soil of the bottom lands along the Gila River is a rich alluvial loam, but owing to the arid condition of the country will not produce without irrigation. The soil of the hilly and mountainous portions of the township is mostly a stony clay loam underlaid with stone and gravel and worthless except as a stock range. Cottonwood and willow timber is found along the Gila River while mesquite, and ironwood grow in nearly all of the sand washes which cut through the township. The township is poorly watered over the greater portion although during the cooler part of the year there is water in the Gila River. There are three settlers residing in the township at the present time, all of whom are in sec. 36.

Sidney E. Blount
 U.S. Surveyor.

BOOK 2644

FOR FINAL OATH OF UNITED STATES SURVEYOR.

See Book "3" Group 20

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

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

U. S. Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona, July 27, 1914

The foregoing field notes of the survey of _____ part of the _____
 _____ Subdivision lines of _____
 _____ Township No 8 South Range No 19 West
 _____ of the Gila and Salt River Base and Meridian Arizona

executed by Sidney E. Blout U.S. Surveyor
 under his special instructions dated May 27, _____, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
 U. S. Surveyor General of
 Arizona.

~~Part of~~ 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.