

BOOK "F" 2647

FIELD NOTES

OF THE SURVEY OF ~~THE~~

part of the
Subdivision lines of
Township 1 South ~ Range 1 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, ^{*Supplemental special*} *under instructions dated October 12, 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, October 26, 1912, pursuant to authority contained in the Act of
Congress dated August 23, 1912

Survey commenced January 13, 1913

Survey completed January 23, 1913

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INDEX DIAGRAM.

Township 1 south, Range 1 West.

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Partial Subdivision of T.1 S., R.1 W.

Chains

Survey commenced January 13, 1913, and executed with a Young and 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 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.

All measurements were made with a 5.00 ch. steel tape, a Clinometer being used to determine the slope angles.

There being no land suitable for agricultural purposes in the south eastern portion of this township I begin at the cor. of secs. 3, 4, 33, and 34. on S. bdry of Tp. ^{RECENTLY ESTAB. BY ME AS DESCRIBED IN BOOK "E"}
At 8^h 39^m a.m., l.m.t. I set off 33°17' N. on the lat. arc 21°28' S. on the decl. arc and determine a meridian with the solar at the above cor.

Thence I run

N 0°02' W. bet. secs. 33 and 34.

Over rolling stony land along foot of the Estrella range of mountains, through scattering palo verde and ironwood timber and dense greasewood brush undergrowth 4 ft. high.

- 2.50 Dry ravine 30 lks. wide 3 ft. deep course west.
- 13.30 Dry ravine 30 lks. wide 5 ft. deep course $\approx 60^\circ$ W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 33 in W. half and S 34 in E. half. from which
- A palo verde, 7 ins. in diam., bears N. 35 $\frac{1}{4}$ ° E., 199 lks. dist., marked $\frac{1}{4}$ S. 34 BT.
- A palo verde, 7 ins. in diam., bears S. 33° W., 95 lks. dist., marked $\frac{1}{4}$ S. 33 BT.
- 74.60 Dry ravine 25 lks. wide 6 ft. deep course west.
- 76.00 Leave rolling land bears NW. and SE. Enter hilly land bears NW. and SE. ascend SW. slope.
- 79.20 Top of ascent on ridge bears NW. and SE. desc. over NE. 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 ¹⁹¹³ T 1 S., R 1 W. in N. half, S 28 in NW., 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. No trees within limits. Pits impracticable.

N. 0°02' W., bet. secs. 27 and 28.

Descend NE. slope of ridge over stony hilly land, through scattering palo verde and ironwood timber and greasewood brush undergrowth 3 ft. high.

- 5.00 Foot of abrupt descent, descend gradually.
- 7.40 Dry ravine 20 lks. wide 20 ft. deep course NW.
- 10.00 Leave dry sand wash; over broken land.
- 12.50 Dry ravine 50 lks. wide 15 ft. deep course N 70° W.
- 35.20 Dry ravine 50 lks. wide 20 ft. deep course west. asc. ridge.
- 37.90 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 ¹⁹¹³ $\frac{1}{4}$ S 28 in W. half and S 27 in E. half. from which
- A palo verde, 8 ins. in diam., bears S. 32 $\frac{1}{2}$ ° E., 45 lks. dist., marked $\frac{1}{4}$ S. 27 BT.
- A palo verde, 7 ins. in diam., bears S. 20° W., 110 lks. dist., marked $\frac{1}{4}$ S 28 BT.
- This cor. is situated at foot of descent at the head of small ravine, course N.W., ascend.
- 45.00 Top of ridge, bears E. and W., desc.
- 52.70 Dry ravine; 15 lks. wide, course west, ascend gradually.
- 60.90 Dry ravine, 75 lks. wide, 10 ft. deep, course west, asc. SW. slope of spur of the Estrella Mountains over mountainous

Partial Subdivision of T. 1 S., R. 1 W.

Chains. land.
 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 cap¹⁹¹³ T 1 S., R. 1 W. in N. half. S 21 in NW., S 22 in NE., S 27 in SE. and S 28 in SW. quadrant, from which, a palo verde, 14 ins. in diam., bears S. 27 $\frac{1}{2}$ ° E., 20 lks. dist., marked T 1 S., R 1 W. S 27 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.
 Note: This cor. is situated on the top of spur bears E. and W. 200 ft. above the Desert.
 Land hilly and mountainous.
 Soil stony 3 rd. and 4 th. rate.
 Timber palo verde, and ironwood.
 Mountainous land 19.10 chs.

N. 0°02' W., bet. secs. 21 and 22.

Descend abrupt rocky N. slope of spur over mountainous land, through scattering palo verde timber and greasewood brush undergrowth 3 ft. high.
 4.20 Top of spur bears NW. and SE. desc.
 17.50 Dry ravine 30 lks. wide course west asc.
 29.00 Top of spur bears E. and W. desc.
 35.90 Dry ravine 35 lks. wide 6 ft. deep course west. Leave mountainous land bears NE. and SW. enter flat.
 38.50 Dry ravine 25 lks. wide 6 ft. deep course S 80° 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 cap¹⁹¹³ $\frac{1}{4}$ 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. No trees suitable for bearing trees available. Pits impracticable.

Note : At this cor. I set off 21°27 $\frac{1}{2}$ ' S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 33°20 $\frac{1}{2}$ ' N. on the lat. arc.

41.00 Leave flat bears E. and W. Enter hilly land, ascend S. slope.
 43.00 Top of ridge bears E. and W. desc. abruptly over N. slope.
 46.40 Dry ravine 15 lks. wide course SW. asc.
 50.40 Top of ridge bears NE. and SW. desc.
 58.80 Dry ravine 15 lks. wide 7 ft. deep course west.
 75.00 Dry ravine 40 lks. wide course west. asc.
 79.00 Top of ridge bears E. and W. desc.
 79.70 Foot of descent, enter valley 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. 15, 16, 21, and 22 marked on brass cap¹⁹¹³ T 1 S., R 1 W. in N. half. S 16 in NW., 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. No trees suitable for bearing trees within the prescribed limits. Pits impracticable.
 Land, rolling, hilly, and mountainous.
 Soil, sandy, and stony 3 rd. and 4 th. rate.
 Timber, palo verde and ironwood.
 Mountainous land 35.90 chs.

N. 0°02' W., bet. secs. 15 and 16.

Over rolling stony land through scattering palo verde and ironwood timber and dense greasewood brush undergrowth 4 ft. high.
 7.80 Dry ravine 10 lks. wide 8 ft. deep course west.
 32.20 Dry ravine 15 lks. wide course NE. asc. ridge.
 34.60 Top of ridge bears NE. and SW. desc.
 38.80 Dry ravine 10 lks. wide course NE. 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 cap¹⁹¹³ $\frac{1}{4}$ S 16 in W. half and S 15 in E. half.

Partial Subdivision of T 1 S., R 1 W.

Chains. A palo verde, 7 ins. in diam., bears S. $8\frac{1}{4}^{\circ}$ E., 130 lks. dist., marked $\frac{1}{4}$ S. 15 BT.
 A palo verde, 10 ins. in diam., bears S. $75\frac{1}{2}^{\circ}$ W., 101 lks. dist., marked $\frac{1}{4}$ S. 16 BT.
 44.00 Top of ridge bears E. and W. desc.
 48.20 Dry sand wash 100 lks. wide 15 ft. deep course east. Leave rolling land bears E. and W. Enter mountainous land, ascend S. slope over mountainous land.
 50.20 Dry ravine 15 lks. wide 8 ft. deep course east.
 51.50 Old wood road bears NE. and SW.
 61.20 Top of spur bears N 70° E. and S 70° W. desc.
 62.70 Dry ravine 10 lks. wide course S 80° W. asc.
 64.20 Top of spur bears E. and W. desc.
 66.70 Dry ravine 15 lks. wide course SW. asc.
 68.50 Top of spur bears E. and W. desc.
 72.20 Dry ravine 10 lks. wide course N 70° W. asc.
 72.30 Top of spur bears E. and W. desc.
 74.40 Dry ravine 10 lks. wide course SW. asc.
 79.25 Summit of mountain ridge bears N 62° E., and S 73° W. desc. abruptly.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 9, 10, 15, and 16., marked on brass cap T 1 S., R. 1 W. in N. half. S 9 in NW., S 10 in NE., S 15 in SE, and S, 16 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 available.
 Pits impracticable.
 Land rolling and mountainous.
 Soil stony 3 rd. and 4 th. rate.
 Timber palo verde and ironwood.
 Mountainous land. 31.80 chs.

January 13, 1913.

January 14¹⁹¹³ At 8^h 09^m a.m., l.m.t. I set off $33^{\circ}21'$ N. on the lat. arc, $21^{\circ}17'$ S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 9, 10, 15, and 16, above described,

Thence I run,
 N. $0^{\circ}02'$ W., bet. secs. 9 and 10.
 Descend N. slope of spur over stony mountainous land, through scattering palo verde and mesquite timber and greasewood brush undergrowth 3 ft. high.
 2.80 Dry ravine 10 lks. wide 4 ft. deep course NW.
 10.20 Dry ravine 10 lks. wide 12 ft. deep course NW. asc. spur.
 20.15 Top of spur bears NW. and SE. desc.
 37.10 Dry ravine 30 lks. wide 12 ft. deep course N 60° W. 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 cap $1\frac{1}{4}$ S. 9 in w. half and S 10 in E. half, from which,
 A palo verde, 5 ins. in diam., bears N. 50° W., 84 lks. dist., marked $\frac{1}{4}$ S. 9 BT.
 A palo verde, 7 ins. in diam., bears N. 86° E., 38 lks. dist., marked $\frac{1}{4}$ S. 10 BT.
 48.80 Top of spur bears NW. and SE. desc.
 53.70 Foot of descent. Leave mountainous land bears NW. and SE. enter rolling gravelly land.
 66.30 Dry ravine 10 lks. wide 6 ft. deep course N 20° W.
 77.40 Enter dry sand wash 30 ft. deep course N 25° E.
 80.00 The point for the cor. of secs. 3, 4, 9, and 10. falls in bottom of sand wash where natural causes would insure the destruction of the cor.; therefore I continue my line N $0^{\circ}02'$ W. and at
 86.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for witness cor. to the cor. of secs. 3, 4, 9, and 10 marked on brass cap T 1 S., R 1 W. in N. half, S 4 in NW., S 3 in NE., S 10 in SE., and S 9 in SW. quadrant WC S. of center, from which;

Partial Subdivision of T 1 S., R. 1 W.

Chains.

- A palo verde, 8 ins. in diam., bears N. $19^{\circ}E$., 148 lks. dist., marked WC T 1 S., R 1 W. S 3 BT.
- A palo verde, 9 ins. in diam., bears S $39\frac{3}{4}^{\circ}W$., 168 lks. dist., marked WC T 1 S., R 1 W. S 9 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.
- Land rolling and mountainous.
- Soil gravelly and stony 3 rd. and 4 th. rate.
- Timber palo verde and mesquite.
- mountainous land. 53.70 chs.
-
- N $0^{\circ}02'W$. ^{on true line} bet. secs. 3 and 4, from true point for cor. of secs. 3, 4, 9, and 10.
- Over dry bed of sand wash, through ironwood and palo verde timber.
- 5.00 Leave sand wash, ascend bank 30 ft. high.
- 5.50 Top of bank bears NE. and SW. thence over rolling gravelly land.
- 6.00 intersect the witness cor. to the cor. of secs. 3, 4, 9, and 10.
- 15.10 Enter dry sand wash 15 ft. deep course NW.
- 20.10 Leave wash, ascend gradually over SW. slope.
- 26.50 Leave rolling land bears NW. and SE. ascend SW. slope over mountainous land.
- 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 ¹⁹¹³ $\frac{1}{4}$ S. 4 in W. half and S 3 in E. half, from which,
- A palo verde, 4 ins. in diam., bears S. $13^{\circ}E$., 179 lks. dist., marked $\frac{1}{4}$ S 3 BT.
- A palo verde, 6 ins. in diam., bears S. $21\frac{1}{2}^{\circ}W$., 127 lks. dist., marked $\frac{1}{4}$ S. 4 BT.
- 48.30 Top of spur bears NW. and SE. desc.
- 64.50 Foot of descent in Gila River Valley Leave mountainous land bears E. and W. Enter level sandy bottom land and dense arrow weed and watermoat brush undergrowth 8 ft. high.
- 76.10 Road to James H. Kennedy's house, bears N. $80^{\circ}E$. and S $80^{\circ}W$.
- 81.14 intersect the Gila and Salt River Base Line, 14 lks. S. $89^{\circ}53'W$. of the standard cor. of secs. 33 and 34, T. 1 N., R. 1 W., recently reestab. by me as described in Book "D". At point of intersection
- Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 3 and 4, marked on brass cap ¹⁹¹³ CC south of center, T 1 N. R 1 W. S 33 S 34 in N. half, T 1 S., R 1 W. in S. half, S 3 in SE., and S 4 in SW. quadrant, from which,
- A mesquite, 10 ins. in diam., bears S. $50\frac{1}{4}^{\circ}E$., 215 lks. dist., marked T 1 S., R 1 W. S 3 BT.
- A mesquite, 8 ins. in diam., bears S. $22\frac{1}{4}^{\circ}W$., 74 lks. dist., marked T 1 S., R 1 W. S. 4 BT.
- Land, level rolling and mountainous.
- Soil, sandy, gravelly, and stony 1 st. 3 rd. and 4 th. rate.
- Timber, mesquite, palo verde, and ironwood.
- Mountainous land. 38.00 chs.

Note : At this cor. I set off $21^{\circ}17'$ S. on the decl. arc and at noon observe the sun on the meridian the resulting latitude being $33^{\circ}22\frac{1}{2}'N$.

January 14, 1913.

January 15, ¹⁹¹³ At 7^h 54^m a.m., l.m.t. I set off $33^{\circ}17\frac{1}{2}'N$. on the lat. arc, $21^{\circ}05\frac{1}{2}'S$. on the decl. arc and determine a meridian with the solar at the cor. of secs. 4, 5, 32, and 33 on S. bdry. of Tp. recently estab. by me, as desc. in Book "E"

Thence I run,

N. $0^{\circ}02'W$, bet. secs. 32 and 33.

Partial Subdivision of T.1 S., R.1 W.

Chains.

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

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1931}{4}$ S 32 in W. half and S 33 in E. half. from which

A palo verde, 10 ins. in diam., bears N. 35°W., 202 lks. dist., marked $\frac{1}{4}$ S 32 BT. No other trees within limits

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

46.30 Old road to Phoenix, Arizona, bears NW. and SE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 28, 29, 32, and 33. marked on brass cap $\frac{1931}{4}$ T 1 S., R 1 W. in N. half. S 29 in NW., S 28 in NE., S 33 in SE., and S 32 in SW. quadrant, from which

A palo verde, 8 ins. in diam., bears N. 25 $\frac{1}{2}$ °E., 286 lks. dist., marked T 1 S., R 1 W. S 28 BT.

A palo verde, 12 ins. in diam., bears S. 60°E., 236 lks. dist., marked T 1 S. R 1 W. S 33 BT.

A palo verde, 13 ins. in diam., bears N. 15 $\frac{1}{2}$ °W., 277 lks. dist., marked T 1 S., R 1 W., S 29 BT. No other trees available.

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

Pits impracticable
Land level.
Soil sandy 1 st. and 2 nd. rate.
Timber palo verde and mesquite.

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

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

80.06 Intersect. N. and S. line, 15 lks. S. of the cor. of secs. 27, 28, 33, and 34, hereinbefore described

Thence I run,

S. 89°57'W., on a true line, bet. secs. 28 and 33.

Ascend E. slope of ridge, over stony hilly land, through scattering palo verde timber and greasewood brush undergrowth, 4 ft. high.

4.70 Top of ridge, bears NW. and SE. desc. over SW. slope.

14.60 Foot of descent., Leave hilly land, bears NW. and SE., Enter level sandy valley land.

40.03 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 $\frac{1931}{4}$ S 28 in N. half and S 33 in S. half. from which

A palo verde, 14 ins. in diam., bears N. 7 $\frac{1}{4}$ °E., 77 lks. dist., marked $\frac{1}{4}$ S 28 BT.

A palo verde, 7 ins. in diam., bears S. 34 $\frac{1}{4}$ °W., 177 lks. dist., marked $\frac{1}{4}$ S. 33 BT.

80.06 The cor. of secs. 28, 29, 32, and 33, hereinbefore described

Land level and hilly.
Soil sandy and stony 1 st., 2 nd. and 3 rd. rate.
Timber palo verde and mesquite.

N. 0°02'W., bet. secs. 28 and 29.

Over rolling sandy and gravelly valley land through scattering palo verde and mesquite timber and dense greasewood brush undergrowth 7 ft. high.

14.80 Dry sand wash, 40 lks. wide, 6 ft. deep, course SW.

26.60 Old road to Phoenix, Arizona, 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 $\frac{1931}{4}$ S. 29 in W. half and S 28 in E. half., from which

A palo verde, 13 ins. in diam., bears N. 77 $\frac{1}{2}$ °E., 100 lks. dist., marked $\frac{1}{4}$ S 28 BT.

A palo verde, 6 ins. in diam., bears S. 80 $\frac{1}{2}$ °W., 121 lks. dist., marked $\frac{1}{4}$ S. 29 BT.

40.50 Old road, bears NW. and SE.

55.00 Dry ravine, 50 lks. wide, 6 ft. deep, course NW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 20, 21, 33, and 29. marked on brass cap $\frac{1931}{4}$ T 1 S., R 1 W. in N. half, S 20 in NW., S 21 in NE.,

Partial Subdivision of T 1 S., R 1 W.

Chains. S 28 in SE., and S 20 in SW. quadrant., from which,
 A palo verde, 6 ins. in diam., bears N. $74^{\circ}E$, 136 lks. dist.
 marked T 1 S., R 1 W. S 21 BT.
 A palo verde, 12 ins. in diam., bears S. $57^{\circ}E$, 141 lks., dist,
 marked T 1 S. R 1 W. S 28 BT. No other trees available.
 Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise
 a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land rolling.
 Soil sandy and gravelly 1 st. and 2 nd. rate.
 Timber palo verde and mesquite.

Note: At this cor. I set off $21^{\circ}06\frac{1}{2}'S$. on the decl. arc
 and at noon observe the sun on the meridian, the
 resulting latitude being $33^{\circ}19'N$.

 N. $39^{\circ}57'E$, on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. and S. line, 8 lks. N. of the cor. of secs. 21, 22,
 27 and 28, ~~hereinbefore~~ described
 Thence I run,
 West, on a true line, bet. secs. 21 and 28.
 Descend abrupt, rocky SW. slope over mountainous land,
 through scattering palo verde and mesquite timber and
 greasewood brush undergrowth 4 ft. high.
 8.90 Foot of descent, leave mountainous land bears N. and S.,
 Enter rolling valley land.
 19.60 Dry ravine 15 lks. wide 6 ft. deep course NW.
 40.03 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 $1913\frac{1}{4}$ S 21 in N.
 half and S 28 in S. half. from which
 A palo verde, 5 ins. in diam., bears N. $9^{\circ}E$, 142 lks. dist., marked
 $\frac{1}{4}$ S 21 BT.
 A palo verde, 8 ins. in diam., bears S. $44\frac{3}{4}^{\circ}W$, 174 lks. dist.,
 marked $\frac{1}{4}$ S. 28 BT.
 47.00 Dry ravine, 10 lks. wide, 4 ft. deep, course NW.
 72.00 Dry ravine, 15 lks. wide, 5 ft. deep, course north.
 80.16 The cor. of secs. 20, 21, 28, and 29, ~~hereinbefore~~ described
 Land, rolling and mountainous.
 Soil, sandy and stony 1 st. 2 nd. and 4 th. rate.
 Timber, palo verde and mesquite.
 Mountainous land 8.90 chs.

January 15, 1913.

 January 17¹⁹¹³ At 9^h 10^m a.m., l.m.t. I set off $33^{\circ}19'N$. on
 the lat. arc, $20^{\circ}44\frac{1}{2}'S$. on the decl. arc and determine
 a meridian with the solar at the cor. of secs. 20, 21,
 28 and 29, ~~hereinbefore~~ described
 Thence I run,
 N. $0^{\circ}02'W$, bet. secs. 20 and 21.
 Over-level sandy and gravelly valley land, through scattering
 palo verde and mesquite timber and dense greasewood
 brush undergrowth, 4 ft. high
 20.70 Dry sand wash, 40 lks. wide, 8 ft. deep, course NW.
 30.15 Dry sand wash, 100 lks. wide, 6 ft. deep, course N. $80^{\circ}W$.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $1913\frac{1}{4}$ S 20 in
 W. half and S 21 in E. half. from which
 An ironwood, 14 ins. in diam., bears N $73\frac{1}{4}^{\circ}W$, 277 lks. dist.
 marked $\frac{1}{4}$ S 20 BT.
 A palo verde 6 ins. in diam., bears S $68\frac{3}{4}^{\circ}E$, 104 lks. dist.
 marked $\frac{1}{4}$ S 21 BT.
 44.70 Dry sand wash 35 lks. wide 4 ft. deep course S $60^{\circ}W$.
 48.00 Old road to Phoenix Arizona bears N $70^{\circ}E$. and S $70^{\circ}W$.
 48.25 Leave rolling valley land bears NE. and SW. Enter stony
 mountainous land, ascend steep SE. slope of spur.
 55.00 Top of spur bears E. and W. desc.
 63.30 Dry ravine. 15 lks. wide course SE. asc.
 67.80 Top of spur bears NW. and SE. desc.
 76.60 Dry ravine 20 lks. wide course East. asc.

Partial Subdivision of T.1 S., R.1 W.

Chains	
30.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16, 17, 20, and 21, marked on brass cap ¹⁹³ T 1 S. R 1 W. in N. half, S 17 in NW., S 16 in NE., S 21 in SE. and S 20 in SW. quadrant. from which A palo verde, 8 ins. in diam. bears N $58\frac{1}{4}^{\circ}$ E. 43 lks. dist. marked T 1 S. R 1 W. S 16 BT. A palo verde, 6 ins. in diam. bears S $32\frac{1}{2}^{\circ}$ E. 165 lks. dist. marked T 1 S. R 1 W. S 21 BT. A palo verde, 4 ins. in diam. bears S $73\frac{1}{4}^{\circ}$ W. 267 lks. dist. marked T 1 S., R 1 W. S 20 BT. and A palo verde, 5 ins. in diam. bears N 54° W. 198 lks. dist. marked T 1 S. R 1 W. S 17 BT. Land level, rolling, and mountainous. Soil sandy, gravelly, and stony 2 nd. 3 rd. and 4 th. rate. Timber mesquite, palo verde, and ironwood. Mountainous land 31.75 chs.
	----- 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, 08 lks. S. of the cor. of secs. 15, 16, 21 and 22, hereinbefore described Thence I run, S $89^{\circ}57'$ W. on a true line, bet. secs. 16 and 21. Over rolling stony land, through scattering palo verde and mesquite timber and greasewood brush undergrowth, 5 ft. high.
17.50	Dry ravine, 15 lks. wide 8 ft. deep course S 80° W.
38.80	Dry ravine, 25 lks. wide 6 ft. deep course SW.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹³ $\frac{1}{4}$ S 16 in N. half and S 21 in S. half. No trees suitable for bearing trees available. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
45.60	Dry ravine 120 lks. wide 10 ft. deep course S 30° E. asc. ridge.
52.00	Top of ridge bears NE. and SW. desc.
57.70	Wood road bears NE. and SW.
61.00	Leave rolling valley land bears NE. and SW. Enter mountainous land, ascend SE. slope.
61.60	Road to Phoenix, Arizona, bears NE. and SW.
61.70	Top of spur, bears NE. and SW. desc.
64.60	Dry ravine, 30 lks. wide 10 ft. deep course SE.
74.00	Dry ravine, 30 lks. wide 6 ft. deep course S 30° E. asc.
80.00	The cor. of secs. 16, 17, 20, and 21, hereinbefore described Land rolling and mountainous. Soil stony 3 rd. and 4 th. rate. Timber mesquite and palo verde. Mountainous land 19.00 chs.
	----- Note: At the $\frac{1}{4}$ sec. cor bet. secs. 16 and 21, I set off $20^{\circ}43\frac{1}{2}'$ S. on the decl. arc and at noon observe the sun on the meridian the resulting latitude being $33^{\circ}20'$ N. V
	----- N. $0^{\circ}02'$ W., bet. secs. 16 and 17. Descend NE. slope over stony mountainous land, through scattering palo verde and mesquite timber and dense greasewood brush undergrowth.
8.80	Dry ravine, 30 lks. wide course S 60° E. asc
16.00	Dry ravine, 25 lks. wide 4 ft. deep course S 40° E. 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 cap ¹⁹³ $\frac{1}{4}$ S 17 in W. half, and S 16 in E. half, from which, A palo verde, 4 ins. in diam. bears N $30\frac{1}{4}^{\circ}$ W. 155 lks. dist., marked $\frac{1}{4}$ S 17 BT. A palo verde, 4 ins. in diam. bears N $12\frac{1}{2}^{\circ}$ E. 219 lks. dist., marked $\frac{1}{4}$ S 16 BT.
45.00	Point of spur bears NW. and SE. desc.
65.00	Dry ravine 35 lks. wide, 10 ft. deep course NE.
68.30	The same ravine course NW. ascend SW. slope.

Partial Subdivision of T.1 S., R 1 W.

Chains.	
71.80	Road to Phoenix, Arizona, bears NW. and SE.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 8, 9, 16, and 17, marked on brass cap ¹⁹¹³ T 1 S., R 1 W. in N. half, S 8 in NW., S 9 in NE., S 16 in SE. and S. 17 in SW. quadrant, from which, A palo verde, 6 ins. in diam., bears S. 14° E., 59 lks. dist., marked T 1 S. R 1 W. S 16 BT. No other trees within the prescribed limits. Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land mountainous. Soil stony 3 rd. and 4 th. rate. Timber palo verde and mesquite. <p style="text-align: right;">January 17, 1913.</p>
	----- January 18 ¹⁹¹³ At 7 ^h 25 ^m a.m., l.m.t. I set off 33° 21' N. on the lat. arc, 20° 32½' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 8, 9, 16, and 17, above described
	Thence I run, N. 89° 57' E., on a random line, bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, at the cor. of secs. 9, 10, 15 & 16, Thence I run S. 89° 57' W., on a true line bet. secs. 9 and 16. ^{hereinbefore described}
	Ascend NE. slope of mountain ridge, over stony land, through scattering greasewood brush undergrowth 3 ft. high.
3.00	Top of ridge, bears N 80° W. and S 80° E. thence along S. face of ridge.
12.50	Top of spur, bears N. and S. desc.
24.60	Dry ravine, 10 lks. wide course S. 20° E. asc.
33.30	Top of spur, bears N. and S. desc.
34.90	Dry ravine, 10 lks. wide course N 20° W. asc.
40.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¹⁹¹³ ¼ S 9 in N. half, and S 16 in S. half. Raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
45.00	Top of spur bears N. and S. desc.
49.70	Dry ravine 20 lks. wide course north. ascend abrupt E. slope of mountain peak.
67.20	Foot of perpendicular cliff 80 ft. high bears N. and S.
67.50	Top of cliff bears N. and S. ascend gradually.
67.70	Top of peak 600 ft. high bears N. and S. descend abruptly over cliffs and ledges.
80.06	The cor. of secs. 8, 9, 16, and 17, ^{hereinbefore described} Land mountainous. Soil stony 3 rd. and 4 th. rate. No timber.
	----- N. 0° 02' W., bet. secs. 8 and 9. Ascend SW. slope of spur over very broken stony mountainous land, through scattering palo verde and mesquite timber and greasewood brush undergrowth.
10.40	Top of spur bears NW. and SE. desc. abruptly.
24.50	Foot of abrupt descent. Leave mountainous land bears NE. and SW. Enter rolling land.
32.60	Dry ravine 20 lks. wide, 8 ft. deep course NW.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¹⁹¹³ ¼ S 8 in W. half, and S 9 in E. half. from which A palo verde, 4 ins. in diam., bears N. 33° W., 70 lks. dist., marked ¼ S. 8. BT. A palo verde, 3 ins. in diam., bears N. 69° E., 58 lks. dist., marked ¼ S. 9 BT.
57.70	Dry ravine 10 lks. wide 10 ft. deep course NW.
73.20	Dry ravine 18 lks. wide 12 ft. deep course N 30° E.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 8, and 9, marked on brass cap ¹⁹¹³ T 1 S., R 1 W. in N. half. S 5 in NW., S 4 in NE., S 9 in SE., and S 8 in SW. quadrant, from which;

Partial Subdivision of T.1 S., R.1 W.

Chains. A palo verde, 8 ins. in diam., bears N. $6\frac{1}{2}^{\circ}$ E. 241 lks. dist, marked T 1 S., R 1 W. S 4 BT.
 An ironwood, 9 ins. in diam., bears S. 66° W. 93 lks. dist. marked T 1 S., R 1 W. S 8 BT. and
 A palo verde, 7 ins. in diam., bears N. $27\frac{1}{4}^{\circ}$ W. 230 lks. dist. marked T 1 S., R 1 W., S 5 BT. No other trees available.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Pits impracticable.
 Land rolling and mountainous.
 Soil gravelly and stony 3 rd. and 4 th. rate.
 Timber palo verde, mesquite, and ironwood.
 Mountainous land 24.50 chs.

Note: At this cor. I set off $20^{\circ}31\frac{1}{2}'$ S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of $33^{\circ}21\frac{1}{2}'$ N. on the lat. arc.

N. $89^{\circ}57'$ E., on a random line, bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 16 lks. S. of the true point for cor. of secs. 3, 4, 9, and 10, hereinbefore described
 Thence I run
 S. $89^{\circ}50'$ W., on a true line, bet. secs. 4 and 9.
 Over dry bed of sand wash, through scattering ironwood and palo verde timber.
 Leave wash, ascend bank 30 ft. high.
 2.75 Top of bank, bears N. 25° E. and S 25° W., thence over rolling gravelly land, through greasewood brush undergrowth 4 ft. high.
 6.90 Wood road, bears N. 10° E. and S 10° W.
 17.40 Dry ravine, 130 lks. wide, 15 ft. deep, course north.
 24.40 Dry ravine, 10 lks. wide, 8 ft. deep, course N. 20° W.
 27.00 Leave rolling land, bears N. and S. Enter hilly land. ascend E. slope.
 39.95 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 $1913, 1\frac{1}{4}$ S. 4 in. N. half and S 9 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.
 42.40 Top of ridge bears NW. and SE. desc.
 49.50 Foot of descent. Leave hilly land bears NW. and SE., Enter rolling valley land.
 58.95 Dry ravine, 25 lks. wide, 10 ft. deep, course north.
 61.80 Dry ravine, 15 lks wide, 6 ft. deep, course north.
 66.40 Dry ravine, 20 lks. wide, 8 ft. deep, course north.
 74.60 Dry ravine, 15 lks. wide, 8 ft. deep, course N. 40° E.
 79.90 The cor. of secs. 4, 5, 8, and 9, hereinbefore described
 Land rolling and hilly.
 Soil stony 2 nd. and 3 rd. rate.
 Timber palo verde, mesquite, and ironwood.

N. $0^{\circ}02'$ W., bet. secs. 4 and 5, on true line.
 Over rolling gravelly and stony land, through scattering palo verde, mesquite, and ironwood timber and greasewood brush undergrowth, 2 to 4 ft. high.
 7.60 Dry ravine, 40 lks. wide, 15 ft. deep, course N. 60° E.
 7.70 Road to Phoenix, Arizona, in bed of ravine, bears NE. and SW.
 12.00 Dry ravine, 30 lks. wide, 6 ft. deep, course S. 10° E. Leave rolling land, bears NE. and SW. Enter hilly land, ascend SE. slope.
 26.00 Dry ravine, 20 lks. wide 5 ft. deep course east.
 26.85 Old road to mine, bears NW. and SE.
 36.50 Top of ridge, bears E. and W. desc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the

Partial Subdivision of T.1 S., R.1 W.

- Chains ground for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 5 in W. half and S. 4 in E. half. from which.
- A palo verde, 5 ins. in diam., bears N. $25\frac{1}{2}^{\circ}$ W., 65 lks. dist., marked $\frac{1}{4}$ S. 5 BT. and
- A palo verde, 5 ins. in diam., bears S. 54° E., 113 lks. dist., marked $\frac{1}{4}$ S 4 BT.
- 46.70 Dry ravine 15 lks. wide course SE. Leave rolling land bears NE. and SW. Enter mountainous land, ascend SE. slope of spur.
- 52.40 Top of spur bears E. and W. desc. abruptly.
- 57.40 Dry ravine 10 lks. wide course east. asc.
- 70.75 Top of mountain ridge bears NW. and SE. desc. abruptly.
- 81.28 Intersect the Gila and Salt River Base Line, 62 lks. N. $89^{\circ}59'$ W. of the ¹⁹¹³ Stand. cor. of secs. 32 and 33, described by me in Book "D".
- Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 4 and 5, marked on brass cap ¹⁹¹³ CC S. of center, T. 1 N. R. 1 W. S. 32, S. 33 in N. half. T. 1 S., R. 1 W. in S. half. S. 4 in SE. and S. 5 in SW. quadrant. from which
- A palo verde, 4 ins. in diam., bears S. 5° E., 96 lks. dist., marked T. 1 S., R. 1 W. S. 4 BT. and
- A palo verde, 4 ins. in diam., bears S. $40\frac{1}{2}^{\circ}$ W., 35 lks. dist., marked T. 1 S., R. 1 W. S. 5 BT.
- Land rolling and mountainous.
- Soil stony 3 rd. and 4 th. rate.
- Timber palo verde, mesquite, and ironwood.
- Mountainous land. 34.58 chs.

January 18. 1913.

January 16¹⁹¹³ At 7^h 40^m a.m., l.m.t. I set off $33^{\circ}17\frac{1}{2}'$ N. on the lat. arc, $20^{\circ}54'$ S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 31 and 32 on S. bdry of Tp., recently estab. by me, as described in Book

Thence I run,

- N. $0^{\circ}03'$ W., bet. secs. 31 and 32.
- Over level sandy land, through scattering palo verde timber and dense greasewood brush undergrowth, 4 to 6 ft. high
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 31 in W. half, and S 32 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.
- No trees suitable for bearing trees within limits.
- 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 ¹⁹¹³ T. 1 S., R. 1 W. in N. half, S 30 in NW., S 29 in NE., S 32 in SE. and S 31 in SW. quadrant.
- Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
- No trees suitable for bearing trees available.
- Land level.
- Soil sandy. 1 st. and 2 nd. rate.
- Timber scattering palo verde and mesquite.

- N. $89^{\circ}59'$ E., on a random line, bet. secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 29, 32 and 33, hereinbefore described
- Thence I run
- N. $89^{\circ}57'$ W. on a true line bet. secs. 29 and 32.
- 5.40 Over level sandy land through dense greasewood brush undergrowth Road to Phoenix, Arizona, bears N. and S.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 29 in N. half and S 32 in S. half.
- Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Partial Subdivision of T.1 S., R.1 W.

Chains.

80.02 The cor. of secs. 29, 30, 31, and 32, hereinbefore described
 Land level.
 Soil sandy 1 st. and 2 nd. rate.
 No timber.

S. 89°59'W., on a random line, bet. secs. 30 and 31.
 38.78 Intersect W. bdry. of Tp. 2 lks. S. 0°14'W. of the cor. of secs. 25, 30, 31, and 36, recently estab. by me, as desc^{ed} in Book "E."
 Thence I run
 S. 89°59'E. on a true line bet. secs. 30 and 31.
 Over level sandy land, through scattering palo verde timber and dense greasewood brush undergrowth 6 ft. high.

20.23 Old wood road bears NW. and SE.

38.78 The cor. of secs. 29, 30, 31, and 32, hereinbefore described
 Land level.
 Soil sandy 1 st. and 2 nd. rate.
 Timber palo verde.

Note: At this cor. I set off 20°55'S. on the decl. arc and at noon observe the sun on the meridian, the resulting latitude being 33°18'N.

N. 0°03'W., bet. secs. 29 and 30,
 Over level sandy land, through scattering palo verde and ironwood timber and dense greasewood brush undergrowth 4 to 6 ft. high.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 30 in W. half and S 29 in E. half. No trees suitable for bearing trees available.
 Dig pits 18x18x12 ins. N. and S. of post 5 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, marked on brass cap ¹²³ T 1 S., R. 1 W. in N. half, S 19 in NW., S 20 in NE., S 29 in SE., and S 30 in SW. quadrant., from which,
 A palo verde, 11 ins. in diam., bears N. 71 $\frac{1}{2}$ °E., 240 lks. dist., marked T 1 S., R 1 W., S 20 BT.
 A palo verde, 12 ins. in diam., bears S. 66 $\frac{3}{4}$ °W., 240 lks. dist., marked T 1 S., R 1 W. S 30 BT. and $\frac{3}{4}$
 A palo verde, 8 ins. in diam., bears N. 48 $\frac{1}{2}$ °W., 128 lks. dist., marked T 1 S., R 1 W. S 19 BT. No other trees available.
 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 2 nd. rate.
 Timber palo verde and ironwood.

S. 89°57'E., on a random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, at the cor. of secs. 20, 21, 28, and 29, hereinbefore described
 Thence I run,
 N. 89°57'W., on a true line, bet. secs. 20 and 29.
 Over rolling sandy and gravelly land, through scattering palo verde and ironwood timber and dense greasewood brush undergrowth, 7 ft. high.

39.75 Dry ravine, 20 lks. wide, 3 ft. deep, course NW.

40.03 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 ¹²³ $\frac{1}{4}$ S 20 in N. half, and S 29 in S. half.; from which
 A palo verde, 14 ins. in diam., bears N. 70 $\frac{1}{2}$ °E., 125 lks. dist., marked $\frac{1}{4}$ S 20 BT. and
 An ironwood, 9 ins. in diam., bears S. 61°E., 119 lks. dist., marked $\frac{1}{4}$ S 29 BT.

47.00 Dry sand wash, 60 lks. wide 4 ft. deep course NW.

80.06 The cor. of secs. 19, 20, 29, and 30, hereinbefore described

Partial Subdivision of T.1 S., R.1 W.

Chains. Land rolling and level.
Soil sandy and gravelly 2 nd. and 3 rd. rate.
Timber palo verde and ironwood.

January 16, 1913.

January 24¹⁹¹³ At 8^h 12^m a.m., l.m.t. I set off 33°19' N. on the lat. arc, 19712' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30, hereinbefore described

Thence I run
N. 89°59' W., on a random line, bet. secs. 19 and 30.
38.62 Intersect W. bdy. of Tp. 5th N. & 1st W. of the cor. of secs. 19, 24, 25, and 30, recently reestab. by me, as descri^{ed} in Book "E."
Thence I run
N. 89°57' E., on a true line, bet. secs. 19 and 30.
Over rolling sandy land, through scattering palo verde and ironwood timber and dense greasewood brush undergrowth 5 ft. high.
38.62 The cor. of secs. 19, 20, 29, and 30, hereinbefore described
Land rolling.
Soil sandy 2 nd. rate.
Timber palo verde and ironwood.

N. 0°03' W., bet. secs. 19 and 20.
Over rolling sandy and gravelly land, through scattering palo verde and ironwood timber and greasewood brush undergrowth 6 ft. high.
21.00 Dry sand wash, 50 lks. wide, 4 ft. deep, course N. 60° 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 ¹⁹¹³ $\frac{1}{4}$ S 19 in W. half and S 20 in E. half., from which
A palo verde, 10 ins. in diam., bears S. 22 $\frac{1}{2}$ ° E., 282 lks. dist., marked $\frac{1}{4}$ S 20 BT. No other trees within limits.
Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high W. of cor.
47.00 Dry sand wash 30 lks. wide 3 ft. deep course SW. ascend gradually over SW. slope.
30.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 17, 18, 19, and 20, marked on brass cap ¹⁹¹³ T 1 S., R 1 W. in N. half. S 18 in NW., S 17 in NE., S 20 in SE. and S 19 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.
Soil sandy and gravelly 2 nd. rate.
Timber palo verde and mesquite.

S. 89°57' E., on a random line, bet. secs. 17 and 20.
40.00 Set temp. $\frac{1}{4}$ sec. cpr.
30.12 Fall \varnothing 5 lks. S. of the cor. of secs. 16, 17, 20, and 21, hereinbefore described
Thence I run,
N. 89°59' W., on a true line, bet. secs. 17 and 20.
Ascend SE. slope of spur over stony mountainous land, through scattering palo verde timber and greasewood brush undergrowth.
15.30 Dry ravine, 15 lks. wide, 4 ft. deep, course South.
25.15 Top of ridge, bears NW. and SE., desc. SW. slope.
36.20 Dry ravine, 05 lks. wide, course 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., marked on brass cap ¹⁹¹³ $\frac{1}{4}$ S 17 in N. half and S 20 in S. half. from which
A palo verde, 4 ins. in diam., bears N. 30 $\frac{1}{2}$ ° W., 75 lks. dist., marked $\frac{1}{4}$ S 17 BT. and
A palo verde, 8 ins. in diam., bears S. 20 $\frac{1}{2}$ ° E., 77 lks. dist., marked $\frac{1}{4}$ S. 20 BT.

Partial Subdivision of T 1 S., R. 1 W

- Chains.
- 40.10 Dry ravine 10 lks. wide course south asc.
- 48.80 Top of spur bears N. and S. desc.
- 55.00 Foot of descent, Leave mountainous land bears NW. and SE., Enter rolling land.
- 62.00 Dry ravine .30 lks. wide 10 ft. deep course SW.
- 72.50 Dry ravine 50 lks. wide 6 ft. deep course SW. asc. gradually.
- 80.12 The cor. of secs. 17, 18, 19, and 20, hereinbefore described
Land rolling and mountainous.
Soil stony 3 rd. rate.
Timber palo verde and mesquite.
Mountainous land 55.00 chs.

Note: At the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20 I set off $19^{\circ}11'S$ on the decl. arc and at noon observe the sun on the meridian, the resulting latitude being $33^{\circ}20'N$.

-
- S. $89^{\circ}57'W$, on a random line, bet. secs. 18 and 19.
 - 38.54 Intersect W. bdry. of Tp. 24 $50'$ E. of the cor. of secs. 13, 18, 19, and 24, recently reestab. by me, as desc. in Book "E".
Thence I run,
S. $89^{\circ}42'E$, on a true line, bet. secs. 18 and 19.
Descend SE. slope over hilly stony land, through scattering palo verde timber and greasewood brush undergrowth 3 ft. high.
 - 17.29 Dry ravine 20 lks. wide course SW. asc.
 - 23.50 Top of ridge bears NW. and SE. desc. gradually.
 - 38.54 The cor. of secs. 17, 18, 19, and 20, hereinbefore described
Land hilly.
Soil stony 3 rd. rate.
Timber palo verde.

-
- N. $0^{\circ}03'W$, bet. secs. 17 and 18.
 - Ascend S. slope of spur, over stony mountainous land, through greasewood and palo verde brush undergrowth 4 to 6 ft. high.
 - 13.70 Top of spur, bears NW. and SE. desc.
 - 25.60 Dry ravine, 15 lks. wide course SW. asc.
 - 29.90 Top of spur, bears NW. and SE., thence on NE. slope.
 - 33.30 Begin steep descent, over NE. slope.
 - 36.40 Dry ravine, 20 lks. wide, course NE., asc.
 - 40.00 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $1^{\circ}14'$ S 18 in W. half, and S 17 in E. half.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable
 - 44.30 Top of spur bears NW. and SE. desc.
 - 53.50 Dry ravine course SW. asc.
 - 57.10 Top of spur bears N $30^{\circ}W$. and S $30^{\circ}E$.
 - 61.50 Dry ravine 10 lks. wide course S $70^{\circ}E$.
 - 67.10 Top of spur 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. 7, 8, 17, and 18., marked on brass cap T 1 S., R 1 W. in N. half. S 7 in NW., S 8 in NE., S 17 in SE. and S. 18 in SW. quadrant.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable. No trees large enough for bearing trees available.
Land mountainous.
Soil stony 3 rd. and 4 th. rate.
Timber palo verde.

January 24, 1913.

January 25: At $7^h 32^m$ a.m., l.m.t. I set off $33^{\circ}21'N$ on the lat. arc, $18^{\circ}57'S$ on the decl. arc and determine

53 1/2

X

Partial Subdivision of T 1 S., R 1 W.

Chains.	a meridian with the solar at the cor. of secs. 7, 8, 17, and 18, above described.
	Thence I run,
	S. 89°59'E. on a random line, bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Fall 8 lks. S. of the cor. of secs. 8, 9, 16, and 17, ^{hereinbefore described}
	Thence I run,
	S. 89°58'W. on a true line, bet. secs. 8 and 17.
	Descend abrupt rocky S. slope of mountain, through scattering palo verde timber and greasewood brush undergrowth.
6.10	Road to Phoenix Arizona bears N. and S.
8.00	Dry ravine 30 lks. wide 25 ft. deep course N 30°W. asc.
24.00	Top of spur bears NE. and SW. desc. abruptly.
38.00	Foot of abrupt descent descend gradually.
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 ¹⁹¹³ $\frac{1}{4}$ S 8 in N. half and S 17 in S. half. from which
	A palo verde, 5 ins. in diam. bears N. 77 $\frac{3}{4}$ °W., 11 lks. dist. marked $\frac{1}{4}$ S 8 BT. and
	A palo verde, 5 ins. in diam. bears S. 7°E., 30 lks. dist., marked $\frac{1}{4}$ S. 17 BT.
55.00	Dry ravine 35 lks. wide course N 20°E.
69.30	Dry ravine 15 lks. wide 6 ft. deep course SE. asc. spur.
76.70	Top of spur bears NW. and SE. desc.
80.10	The cor. of secs. 7, 8, 17, and 18, ^{hereinbefore described}
	Land mountainous.
	Soil stony 3 rd. and 4 th. rate.
	Timber palo verde.

	N. 89°42'W. on a random line, bet. secs. 7 and 18.
38.40	Intersect W. bdy. of T ₁ S. 25 lks. N. 63°E. of the cor. of secs. 7, 12, 13, and 18. ^{recently reestab. by me, as descr. in Book "E."}
	Thence I run,
	N. 89°56'E. on a true line, bet. secs. 7 and 18.
	Descend NE. slope over stony mountainous land.
14.10	Dry ravine 15 lks. wide course NW. ascend abrupt W. slope.
27.50	Summit of mountain peak 400 ft. above sec. cor. desc. abrupt SE. slope.
38.40	The cor. of secs. 7, 8, 17, and 18, ^{hereinbefore described}
	Land mountainous.
	Soil stony 4 th. rate.
	Timber scattering palo verde.

	N. 0°03'W., bet. secs. 7 and 8.
	Descend steep NE. slope over broken stony mountainous land through scattering palo verde and mesquite timber and greasewood brush undergrowth 4 ft. high.
.80	Dry ravine, 15 lks. wide, course SE. ascend steep rocky S. slope.
3.70	Top of spur, bears N. 70°W. and S 70°E.
18.70	Dry ravine, 20 lks. wide, course SE. asc.
33.50	Summit of mountain peak, 500 ft. above sec. cor. desc. NW. slope.
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 ¹⁹¹³ $\frac{1}{4}$ S 7 in W. half and S 8 in E. half., from which
	A palo verde, 7 ins. in diam. bears S. 81°E., 46 lks. dist. marked $\frac{1}{4}$ S 8 BT. and
	A palo verde, 7 ins. in diam. bears S. 49°W., 19 lks. dist., marked $\frac{1}{4}$ S 7 BT.
54.60	Foot of mountain, bears E. and W., Leave mountainous land bears E. and W. Enter rolling land.
74.50	Dry ravine 36 lks. wide course N 50°W. asc.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked on brass cap, ¹⁹¹³ T 1 S., R 1 W. in N. half, S 6 in NW., S 5 in NE., S 8 in SE. and S 7 in SW. quadrant.
	Raise a mound of stone 10 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
	No trees suitable for bearing trees within limits.

Partial Subdivision of T.1 S., R.1 W.

Chains. Pits impracticable.

Land rolling and mountainous.
Soil stony 3 rd.rate.
Timber palo verde and mesquite.

Note: At this cor. I set off 18956 $\frac{1}{2}$ ' S. on the decl. arc and at noon observe the sun on the meridian. The resulting latitude being 33°24 $\frac{1}{2}$ ' N.

N. 89°58'E., on a random line, bet. secs. 5 and 8.

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

80.10 Intersect N. and S. line, 18 lks. N. of the cor. of secs. 4, 5, 8, and 9, hereinbefore described

Thence I run,
N. 89°54'W., on a true line, bet. secs. 5 and 8,
Over rolling stony land through scattering palo verde, and mesquite timber and greasewood brush undergrowth 4 ft. high.

1.00 Dry ravine, 100 lks. wide, 15 ft. deep course north.

5.00 Road to mine, bears N. 20°E. and S 20°W.

12.20 Dry ravine 30 lks. wide, course NE.

12.30 Road to Phoenix, Arizona, bears NE. and SW.

30.00 Leave rolling land, bears NE. and SW. Enter mountainous land, ascend E. slope.

39.80 Top of spur, bears N. and S. desc.

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 ¹⁹¹³ $\frac{1}{4}$ S 5 in N. half and S. 8 in S. half.

Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
No trees within limits, Pits impracticable.

45.60 Dry ravine, 30 lks. wide course S 30°W. asc.

53.00 Top of ascent, on S. face of spur desc. over SW. slope.

64.20 Dry ravine, 10 lks. wide ^{course NW} at foot of descent. Leave mountainous land bears NW. and SE. Enter rolling gravelly and stony land.

71.40 Dry ravine, 50 lks. wide 15 ft. deep course NW.

73.50 Dry ravine, 20 lks. wide 10 ft. deep course north.

80.10 The cor. of secs. 5, 6, 7, and 8, hereinbefore described

Land rolling and mountainous.
Soil stony and gravelly 2 nd. and 3 rd. rate.
Timber palo verde and mesquite.
Mountainous land 34.20 chs.

S. 89°56'W., on a random line, bet. secs. 6 and 7,

38.39 Intersect W. bdry. of Tp. 10 lks. N. of the cor. of secs. 1, 6, 7, and 12, recently reestab. by me as described in Book "E"

Thence I run
N. 89°47'E., on a true line, bet. secs. 6 and 7.

Over rolling stony valley land, through palo verde, mesquite, and ironwood timber and greasewood brush undergrowth 3 to 6 ft. high.

.70 Dry ravine, 10 lks. wide, 3 ft. deep, course N 20°E.

10.70 Dry ravine, 20 lks. wide, 6 ft. deep, course north.

18.75 Dry ravine, 10 lks. wide, 4 ft. deep, course N. 20°W.

34.80 Dry ravine, 50 lks. wide, 10 ft. deep, course NW.

38.39 The cor. of secs. 5, 6, 7, and 8, hereinbefore described

Land rolling.
Soil stony 3 rd. rate.
Timber palo verde, mesquite, and ironwood.

N. 0°03'W., bet. secs. 5 and 6, on true line,

Over rolling gravelly and stony land through scattering palo verde, mesquite, and ironwood timber and greasewood brush undergrowth 3 to 5 ft. high.

9.70 Dry ravine, 50 lks. wide, 15 ft. deep, course NW.

15.50 Dry ravine, 15 lks. wide, 6 ft. deep, course west, Leave rolling

Partial Subdivision of T.1 S., R.1 W.

Chains.	
	land bears NW. and SE. Enter hilly land, ascend S. slope of ridge.
17.70	Top of ridge, bears E. and W. desc.
23.50	Dry ravine, 10 lks. wide course west asc.
27.50	Top of ridge, bears NE. and SW. desc.
32.00	Dry ravine, 20 lks. wide course SW. asc.
35.00	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 $\frac{1913}{4}$ S 6 in W. half and S 5 in E. half. from which A palo verde, 6 ins. in diam, bears S. $63\frac{1}{2}^{\circ}$ E., 72 lks. dist., marked $\frac{1}{4}$ S 5 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.
46.20	Dry ravine 15 lks. wide course west.
49.60	Top of ridge bears E and W. desc.
59.50	Foot of ridge bears NE. and SW. Leave mountainous land bears NE. and SW. Enter rolling valley land.
65.00	Dry ravine 15 lks. wide 6 ft. deep course NE:
69.80	Road to Phoenix Arizona bears NE. and SW.
71.50	Enter dry sand wash 20 ft. deep course N 70° E.
74.40	Road in bed of wash bears NE. and SW.
76.30	Leave sand wash., Ascend S. slope over mountainous land.
81.21	Intersect the Gila and Salt River Base Line, 178 lks. S 89°54' W. of the ^{old} Standard cor. of secs. 31 and 32, T 1 N. R. 1 W. <small>DESCRIBED BY ME IN BOOK "D" AND AT POINT OF INTERSECTION</small> Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground for closing cor. of secs. 5 and 6, marked on brass cap $\frac{1913}{4}$ CC S. of center. T 1 N. R 1 W., S 31 S 32 in N. half. T 1 S. R 1 W. in S. half. S 5 in SE. and S. 6 in SW quadrant. from which A palo verde, 6 ins. in diam, bears S. $27\frac{1}{2}^{\circ}$ W., 99 lks. dist., marked T 1 S. R 1 W. S 6 BT. No other trees available. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor. Pits impracticable. Land rolling, hilly, and mountainous. Soil sandy, gravelly, and stony 2 nd., 3 rd., and 4 th. rate. Timber palo verde, mesquite, and ironwood. Mountainous land 4, 91 chs.
	January 25, 1913

	January 14 ⁽¹⁹¹³⁾ At 1 ^h 39 ^m p.m. l.m.t. I set off $33^{\circ}21\frac{1}{2}'$ N. on the lat. arc $21^{\circ}16\frac{1}{2}'$ S. on the decl. arc and determine a meridian with the solar at the true point for cor. of secs. 3, 4, 9, and 10 hereinbefore described Thence I run N. 89°59' E., bet. secs. 3 and 10, on true line, Over dry bed of sand wash, through scattering ironwood, palo verde and mesquite timber.
.30	Leave sand wash, ascend bank 30 ft. high.
.60	Top of bank, thence over nearly level land and greasewood brush undergrowth 4 ft. high.
3.20	Dry sand wash 5.00 chs. wide course north.
10.70	Leave valley bears N. and S. Ascend w. slope over stony mountainous land.
34.20	Top of spur, bears N 30° W. and S 30° E. thence along N. slope
38.30	The same ridge bears N 80° E. and S 70° W. thence along top of ridge.
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 $\frac{1913}{4}$ S 3 in N. half and S 10 in S. half. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. No trees within limits. Pits impracticable. Note: This cor. is situated on point of spur about 400 ft. above the valley. Descend steep NE. slope of spur.
56.70	Foot of descent in dry ravine 50 lks. wide 15 ft. deep course N. 25° E. Leave mountainous land bears N. and S. Enter rolling valley land bears N. and S.

Partial Subdivision of T.1 S., R.1 W.

Chains.

- 63.00 Wood road, bears N 25°E. and S 25°W.
 - 68.30 Dry ravine, 25 lks. wide course north.
 - 74.70 Wood road, 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. 2, 3, 10, and 11, marked on brass cap ¹⁹¹³ T 1 S., R 1 W. in N. half, S 3 in NW., S 2 in NE., S 11 in SE. and S 10 in SW. quadrant. from which
 - A palo verde, 7 ins. in diam., bears N 83³/₄°E., 152 lks. dist., marked T 1 S., R 1 W. S 2 BT.
 - A palo verde, 5 ins. in diam., bears S 42¹/₂°E., 122 lks. dist., marked T 1 S., R 1 W. S 11 BT.
 - A palo verde, 6 ins. in diam., bears S 26¹/₄°W., 133 lks. dist., marked T 1 S., R 1 W. S 10 BT. and
 - A palo verde, 10 ins. in diam., bears N 41°W., 280 lks. dist., marked T 1 S., R 1 W. S 3 BT.
- Land rolling and mountainous.
Soil sandy and stony 2 nd., 3 rd., and 4 th. rate.
Timber palo verde, mesquite, and ironwood.
Mountainous land 46.00 chs..

-
- N. 0°01' W., bet. secs. 2 and 3, on true line,
Over rolling sandy and gravelly land through scattering palo verde and mesquite timber and greasewood brush undergrowth 3 to 5 ft. high.
- 4.30 Wood road, bears NE. and SW.
 - 31.50 Dry ravine, 20 lks. wide, 8 ft. deep, course NE.
 - 38.80 Wood road, bears N. 30°E. and S. 30°W.
 - 40.00 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for ¹/₄ sec. cor., marked on brass cap ¹⁹¹³ S 3 in W. half and S 2 in E. half. from which
 - A palo verde, 9 ins. in diam., bears N. 81°W., 62 lks. dist., marked ¹/₄ S 3 BT.
 - An ironwood, 10 ins. in diam., bears S. 18³/₄°E., 197 lks. dist., marked ¹/₄ S 2 BT.
 - 53.00 Descend into Gila River bottom.
 - 61.70 Dry ravine, 20 lks. wide, 5 ft. deep, course NW., at foot of descent. Enter level sandy bottom land, bears N. 70°W. and S. 70°E.
 - 68.20 Wood road, bears NW. and SE.
 - 80.65 Road from James N. Kennedy's cabin to Phoenix, Arizona, bears E. and W.
 - 80.32 Intersect the Gila and Salt River Base Line, 14 lks. N. 89°45' W of the standard cor. of secs. 34 and 35, T 1 N., R. 1 W., recently REESTAB. BY ME AS DESCRIBED IN BOOK "D" AT POINT OF INTERSECTION. Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing corner of secs. 2 and 3., marked on brass cap ¹⁹¹³ S. of center. T 1 N., R 1 W. S 34, S 135 in N. half. T 1 S., R 1 W. in S. half. S 2 in SE. and S 3 in SW. quadrant. from which
 - A mesquite, 8 ins. in diam., bears S. 52³/₄°E., 107 lks. dist., marked T 1 S. R 1 W. S 2 BT.
 - A mesquite, 16 ins. in diam., bears S. 22¹/₄°W., 200 lks. dist., marked T 1 S., R 1 W. S 3 BT.
- Land level and rolling.
Soil sandy and stony 1 st. and 2 nd. rate.
Timber palo verde, mesquite, and ironwood.

January 14, 1913.

January 23¹⁹¹³ At 7^h 41^m a.m., l.m.t. I set off 33°21' N. on the lat. arc 19°24' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 2, 3, 10, and 11, heretofore described.

Thence I run,
N. 89°59' E., bet. secs. 2 and 11, on true line,
Over rolling stony valley land, through scattering palo verde mesquite and ironwood, timber and greasewood brush 4 ft. high.

Partial Subdivision of T.1 S., R.1 W.

- Chains high.
- 1.30 Dry ravine, 30 lks. wide, course N. 30° E., at foot of spur of the Estrella Mountains, ascend NW. slope over stony mountainous land.
- 8.00 Top of spur, 150 ft. above sec. cor. bears NW. and SE. desc. over NE. slope.
- 12.80 Foot of descent. Leave mountainous land bears NE. and SW. Enter rolling land.
- 15.00 Dry ravine 15 lks. wide 10 ft. deep course north.
- 21.00 Dry ravine 20 lks. wide 15 ft. deep course NE.
- 38.80 Dry ravine 30 lks. wide 6 ft. deep course N 20° E.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1913}{4}$ S 2 in N. half, and S 11 in S. half. from which.
An ironwood, 10 ins. in diam, bears N. 71 $\frac{1}{4}$ ° W., 39 lks. dist., marked $\frac{1}{4}$ S 2 BT.
A palo verde, 4 ins. in diam, bears S. 65 $\frac{1}{4}$ ° W., 86 lks. dist., marked $\frac{1}{4}$ S. 11 BT.
- 48.30 Dry ravine, 100 lks. wide, 12 ft. deep, course NW.
- 60.20 Dry ravine, 20 lks. wide, 8 ft. deep, course NW.
- 67.00 Leave valley land, bears NE. and SW. Enter mountainous land, ascend NW. slope of spur of the Estrella Mountains.
- 76.40 Top of ascent, on spur, bears NW. and SE., thence along NE. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 11, and 12, marked on brass cap $\frac{1913}{4}$ T 1 S., R 1 W. in N. half, S 2 in NW., S 1 in NE., S 12 in SE. and S 11 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 rolling and mountainous.
Soil stony 2 nd. and 3 rd. rate.
Timber palo verde, mesquite, and ironwood.
Mountainous land 24.50 chs.

X

- N. 0° 01' W., bet. secs. 1 and 2, on true line,
Descend steep rocky NW. slope of spur, over mountainous land through scattering palo verde and mesquite timber and greasewood brush undergrowth 3 ft. high.
- 15.00 Foot of spur bears NE. and SW. Leave mountainous land bears NE. and SW. Enter rolling land.
- 30.70 Dry ravine 10 lks. 6 ft. deep course NW.
- 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 $\frac{1913}{4}$ S 2 in W. half and S 1 in E. half. No 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.
- 43.90 Dry ravine 50 lks. wide 8 ft. deep course NW.
- 52.55 Road to Phoenix Arizona bears E. and W.
- 75.00 Intersect left bank of old river bed of Gila River 4 $\frac{1}{2}$ ft. high, bears N. 80° W. and S. 80° E., thence over river bed, through dense water moat brush undergrowth, 10 ft. high.
- 80.44 Intersect the Gila and Salt River Base Line, 12 lks. N. 89° 32' W., of the true point for standard cor. of secs. 35, and 36, T 1 N., R 1 W. This point, ^{of intersection} falls in old river bed where prevailing conditions would insure the destruction of the corner; therefore I return on my line to the left bank and at
- 74.75 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for witness cor. to the closing cor. of secs. 1, and 2, marked on brass cap $\frac{1913}{4}$ WC CC N. of center, T 1 N., R 1 W. S 35 S. 36 in N. half; and T 1 S., R 1 W. in S. half, S 1 in SE., and S 2 in SW. quadrant., from which, A mesquite, 12 ins. in diam, bears S. 27 $\frac{1}{4}$ ° E., 98 lks. dist., marked WCCT 1 S., R 1 W. S 1 BT.
A mesquite, 6 ins. in diam, bears S. 69 $\frac{1}{2}$ ° W., 39 lks. dist., marked WCCT 1 S., R 1 W. S 2 BT.
Witness cor. to std. cor. of secs. 35 & 36, T 1 N., R 1 W. described by me in Book "D" bears S. 85° 13' E., 12 lks.
Land level, rolling, and mountainous.
Soil sandy and stony 2 nd. and 3 rd. rate.

Partial Subdivision of T 1 S., R 1 W.

Chains. Timber palo verde, mesquite, and ironwood.
 Mountainous land 15.00 chs.

Note: At this cor. I set off $13^{\circ}25\frac{1}{2}'$ S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $33^{\circ}23'$ N. on the lat. arc, which is about the proper latitude of this place.

N. $89^{\circ}59'$ E., on a random line, bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect the Gila and Salt River Meridian, 32 lks ^{N. 89° W.} of the ~~re-established~~ cor. of secs. 1, 6, 7, and 12, described by me in Book "D"
 Thence I run,
 N. $89^{\circ}47'$ W., on a true line, bet. secs. 1 and 12.
 Ascend NE. slope, over rolling stony land, through scattering palo verde and mesquite timber and greasewood brush undergrowth, 3 ft. high.
 7.88 Dry ravine, 12 lks. wide, 6 ft. deep, course NE. Leave rolling land bears NE. and SW. Enter mountainous land, bears NE. and SW., ascend steep NE. slope of spur.
 24.75 Top of spur, bears NE. and SW., desc.
 30.10 Dry ravine, 15 lks. wide, course north, asc.
 35.00 Top of abrupt ascent, on N. slope, thence along face of spur.
 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 ¹⁹¹³ $1^{\circ} S 1$ in N. half and S 12 in S. half. ^{RAISE A MOUND OF STONE 2 FT. BASE $\frac{1}{4}$ FT. HIGH, N. OF COR.} No trees suitable for bearing trees available. Pits impracticable.
 42.50 Top of spur, bears NW. and SE., desc.
 60.40 Dry ravine, 10 lks. wide, 6 ft. deep, at foot of descent, course NE. Leave mountainous land, bears NE. and SW. Enter rolling valley land.
 66.70 Dry ravine, 25 lks. wide, 8 ft. deep, course N. 30° E.
 69.80 Leave rolling land, bears NE. and SW. Enter mountainous land, ascend NE. slope of spur.
 73.25 Top of spur, bears NE. and SW., desc. over NW. slope.
 80.04 The cor. of secs. 1, 2, 11, and 12, hereinbefore described
 Land rolling and mountainous.
 Soil stony 3 rd. rate.
 Timber palo verde, and mesquite.
 Mountainous land 62.76 chs.

January 23, 1913.

General Description.

The land in this township varies from level to mountainous and the soil ranges from stony to sandy loam, the soil of the bottom land along the Gila river and of the desert in the southwestern part is a sandy loam, light, and dry on a clay subsoil capable of producing light crops without irrigation. The soil of the remaining portion of the township is very stony, is covered with bunch grass but practically worthless for agricultural purposes. Cottonwood, palo verde, mesquite and ironwood timber is found over the greater portion of the township. The township is poorly watered, by one or two small springs. Minerals, principally copper, are found in sec. 3. There is one settler in sec. 3.

Sidney E. Blout
 U.S. Surveyor.

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BOOK 2647

FOR FINAL OATH OF UNITED STATES SURVEYOR.
SEE Book "0" 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 _____, 191 4

The foregoing field notes of the survey of part of the _____
Subdivision lines of _____
Township No 1 South Range No. 1 West
of the Gila and Salt River Base and Meridian Arizona
executed by Sidney E. Blout U.S. Surveyor under Supplemental Special
Instructions for Group 19 dated October 12, 1912

~~executed by~~ _____
~~under his special instructions dated~~ _____, ~~191~~ _____, 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. Lytle

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.

U. S. Surveyor General.