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BOOK "A"

BOOK 2642

FIELD NOTES

OF THE SURVEY ~~OF THE~~
RETRACEMENT & RESURVEY

*of part of the
Subdivision lines of
AND RESURVEY OF
part of the West boundary of
Township 3 North ~ Range 3 East*

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

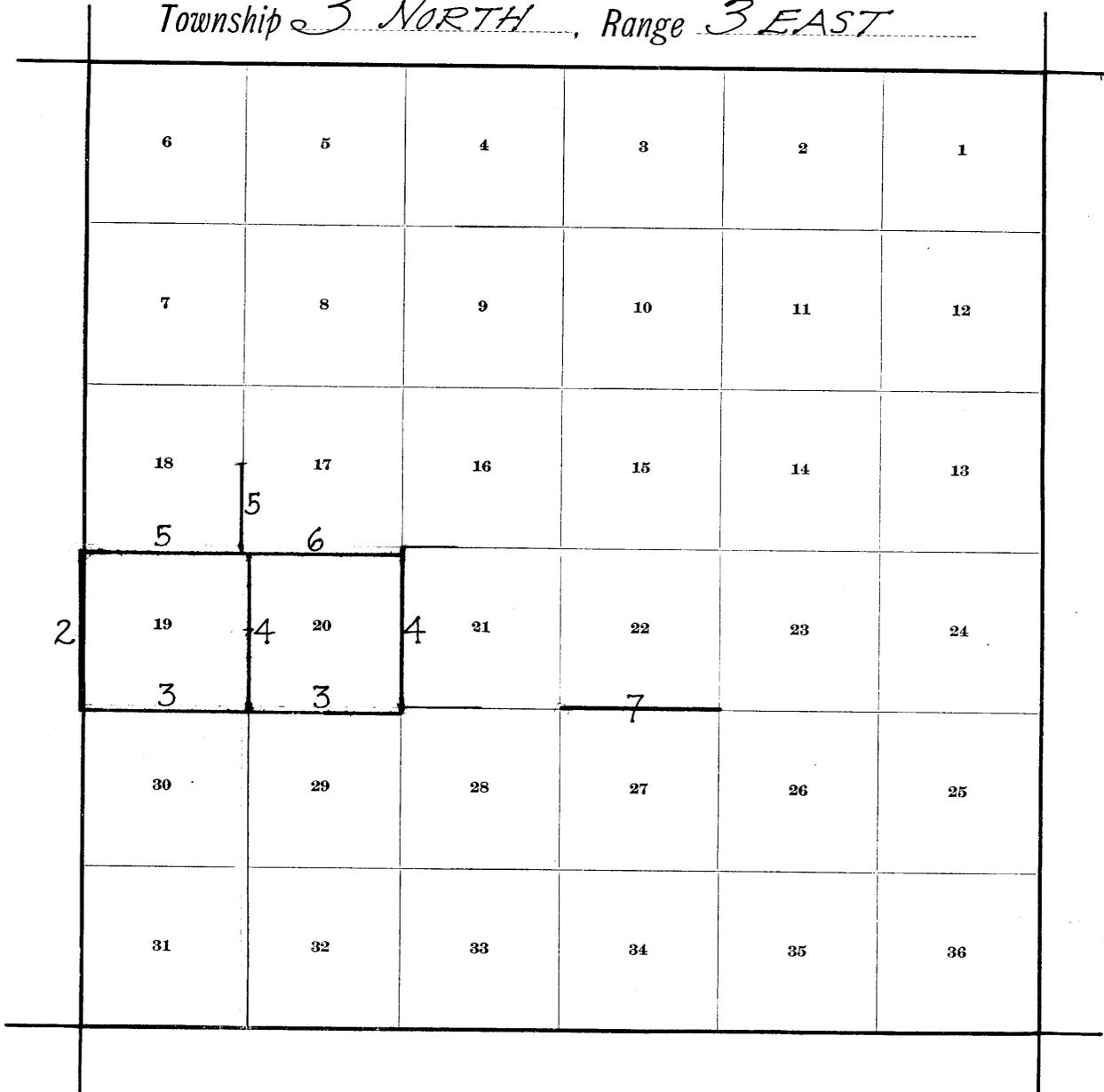
Survey, Retracement & Resurvey commenced *October 30*, 1912

Survey Retracement & Resurvey completed *November 5*, 1912

BOOK 2642

INDEX DIAGRAM.

Township 3 NORTH, Range 3 EAST



6-151

- Surveyed
- Retraced
- Resurveyed.

part of
Resurvey of the West boundary of T 3 N., R 3 E.

Chains

Resurvey commenced October 30, 1912. and executed with a Young and Sons light mountain transit No. 10 with 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 correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations, made during a.m., and p.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At my camp which is located at Philip Bottler's house, 15.00 chs. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24. on the west boundary of T 3 N., R 3 E.; latitude $33^{\circ}35'10''$ N., longitude $112^{\circ}05'54''$ W.

At 3^h 44^m p.m., l.m.t. I set off $33^{\circ}35'$ N. on the lat. arc, $13^{\circ}53'$ S. on the decl. arc and determine a meridian with the solar and mark a point thereof by a nail driven in a stake set in the ground 5.00 chs. N. of my instrument.

October 30, 1912.

October 31¹⁹¹²: At 4^h 47^m a.m., l.m.t., by my watch, which is correct local mean time I observe Polaris at Western elongation in accordance with instructions in the Manual of Instructions and mark the direction thus determined by a tack driven in a stake set in the ground 5.00 chs. N. of my instrument.

At 7^h 0^m a.m., l.m.t. I lay off the azimuth of Polaris $1^{\circ}23'$ to the east, and mark the meridian thus determined, by a small nail driven in the stake set last evening; this point falls 0.4 ins. east of the point determined by the solar.

At 7^h 44^m a.m., l.m.t. I set off $33^{\circ}35'$ N. on the lat. arc $14^{\circ}05\frac{1}{2}'$ S. on the decl. arc and determine a meridian with the solar and mark a point thereof by a tack driven in the stake already set 5.00 N. of my instrument.; this point falls 0.2 ins. east of the point established by the Polaris observation.

The solar apparatus by p.m., and a.m. observations defines positions for meridians respectively about $0'21''$ west and $0'10''$ east of the meridian established by the Polaris observation; therefore, I conclude that the instrument is in satisfactory adjustment.

I begin at the $\frac{1}{4}$ cor. of secs. 13, 18, 19, and 24., which is a malapais stone 12x6x4 ins. above ground, firmly set, marked with 3 notches on N. and S. edges, marks dim, No trace of pits or mound, described as cor. accessories.; latitude $33^{\circ}35'36''$ N., Longitude $112^{\circ}05'54''$ W.

At 8^h 44^m a.m., l.m.t. I set off $33^{\circ}35\frac{1}{2}'$ N. on the lat. arc $14^{\circ}07'$ S. on the decl. arc, and determine a meridian with the solar at the above described cor., thence I run, ~~the~~ South, on random line on W. bdy. of sec. 19

.69 Fall 92 lks. W. of a malapais stone, set by the Arizona Canal Company, 8x6x4 ins. above ground, firmly set marked with 3 notches on N. and S. edges, and AC Co. on E. face.

40.00 I make a diligent search for the old $\frac{1}{4}$ sec. cor., which I fail to find., therefore I continue my random line South,

40.51 Fall 120 lks. W. of a malapais stone, set by the Arizona Canal Company, 8x8x4 ins. above ground, firmly set, marked $\frac{1}{4}$ on W. face and AC Co. on E. face.

79.74 Fall 07 lks. E. of the old cor. of secs. 19, 24, 25, and 30., which is a granite stone 8x6x5 ins. above ground, firmly set, marked with 4 notches on N. and 2 notches on S. edges. No trace of the pits and mound, described as corner accessories.

True course and dist. of line back to the $\frac{1}{4}$ cor. of secs. 13, 18, 19, and 24, is therefore, $N.0^{\circ}3'E.$, 79.74 chs.

The $\frac{1}{4}$ cor. of secs. 19, 24, 25, and 30, being a stone of poor quality, with no cor. accessories. I destroy the old cor. and re-establish it in the same place as follows:

part of
Resurvey of the West boundary of T 3 N., R 3 E.

- Chains. Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25, and 30., marked on brass cap T 3 N., in N. half. R 2 E., S 24 in NW., R 3 E., S 19 in NE., S 30 in SE., and S 25 in SW. quadrant., and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
- Thence I run
N $0^{\circ}03'E.$, on a true line, bet. secs. 19 and 24.
Over nearly level gravelly land, along the Black Canyon road from Prescott to Phoenix Arizona.
- 8.00 Leave road, bears N $10^{\circ}E.$ and south., enter greasewood brush undergrowth 4 ft. high.
- 16.30 Biggs house bears E. 4.00 chs. dist.
- 39.23 Wire fence bears E. and W. 60 lks. west of SE. cor. of fence.
- 39.87 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ^{re-estab.} $\frac{1}{4}$ sec. cor., marked on brass cap ^{1912:1} $\frac{1}{4}$ S 24 in W. half and S 19 in E. half.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
- From this cor. the old $\frac{1}{4}$ sec. cor. set by the Arizona Canal Company, and which I destroy bears S $63^{\circ}15'E.$ 142 lks. dist.
- 53.53 Philip Bottler's house bears E. 225 lks. dist.
- 53.90 Barn bears W. 100 lks. dist.
- 54.28 Windmill bears E. 25 lks. dist.
- 65.00 Wire fence bears N $1^{\circ}30'W.$ and S $1^{\circ}30'E.$, enter Black Canyon road from Prescott to Phoenix Arizona, bears N $3^{\circ}W.$ and S $3^{\circ}E.$, thence along road.
- 78.50 Leave road.
- 79.74 Intersect the old cor. of secs. 13, 18, 19, and 24., ~~hereinbefore~~ described.; I destroy all evidence of the old cor. and re-establish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19, and 24., marked on brass cap ^{1912:} T 3 N. in N. half. R 2 E., S 13 in NW., R 3 E., S 18 in NE., S 19 in SE. and S 24 in SW. quadrant., and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
- Land rolling gravelly ~~land~~ S. slope.; soil light brown sandy and gravelly loam 6 to 10 ins. deep, dry on clay subsoil. No timber.
- From this cor. the old cor. of secs. 13, 18, 19, and 24., set by the Arizona Canal CO. and which I destroy bears S $53^{\circ}08'E.$ 115 lks. dist.

October 31, 1912.

Sidney C. Blout
U. S. Surveyor

Survey, Retracement & Resurvey of part of the Subdivision lines of T. 3 N. - R. 3 E.

Chains

Survey commenced October 31, 1912. and executed with a Young and Sons light mountain transit No. 10 with solar attachment. The horizontal limb being 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.

For last complete test of instrument see page 1 of this book, (field notes of the resurvey of ^{part of} the W. bdry. of T. 3 N., R. 3 E. I begin at the cor. of secs. 19, 24, 25, and 30 on W. bdry. of Tp., which I re-established today; ^{AS HEREIN BEFORE DESCRIBED} latitude $33^{\circ}34'44''$ N. longitude $112^{\circ}03'54''$ W. At $10^h 43^m$ a.m., l.m.t. I set off $33^{\circ}34\frac{1}{2}'$ N. on the lat. arc, $14^{\circ}09'$ S. on the decl. arc and determine a meridian with the solar

thence I run

East, on a random line, on S. bdry. of sec. 19.

- 38.56 Fall 06 lks. S. of the old $\frac{1}{4}$ sec. cor., which is a blue granite stone $6x7x3$ ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face, with trace of pits and mound.

True course & dist. of line back to the cor. of secs. 19, 24, 25, and 30. is therefore $S. 89^{\circ}55' W.$, 38.56 chs.

I begin at the cor. just found and run East ^{ON RANDOM LINE} $\frac{1}{8}$ mile.

- 41.50 Fall 08 lks. S. of the ^{old} cor. of secs. 19, 20, 29, and 30., which is a malpais stone $9x7x4$ ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

True course & dist. of line back to the $\frac{1}{4}$ sec. cor. is therefore $S. 89^{\circ}53' W.$, 41.50 chs.

NOTE: At this cor. I set off $14^{\circ}10'$ S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $33^{\circ}34\frac{1}{2}'$ N. on the lat. arc.

From the ^{old} cor. of secs. 19, 20, 29, and 30, above described, I run,

East, on a random line, on S. bdry. of sec. 20,

- 39.20 Fall 08 lks. S. of the ^{old} $\frac{1}{4}$ sec. cor., which is a granite stone $18x10x8$ ins. set in a mound of stone, marked and witnessed as described by the surveyor general.

True course & dist. of line back to the ^{old} cor. of secs. 19, 20, 29, and 30, is therefore $S. 89^{\circ}53' W.$, 39.20 chs.

I begin at the ^{sec.} cor. just found, thence I run

- 40#04 East, on a random line, bet. secs. 20 and 29, $E. \frac{1}{2}$ mile, and at Intersect N. and S. line 96 lks. $S. 0^{\circ}2' E.$ of the ^{old} cor. of secs. 20, 21, 28, and 29., which is a malpais stone $12x5x10$ ins. set in a mound of stone, marked and witnessed as described by the surveyor general.

The falling of this line being out of limits, I return to the $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29 and survey the east $\frac{1}{2}$ mile of the line bet. secs. 20 and 29 as follows:

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

Ascend abrupt rocky W. slope of spur over mountainous land through scattering palo verde timber and brush.

- .75 Top of spur bears NE. and SW. desc. SE. slope.
8.30 Dry ravine 8 lks. wide course south asc.
11.30 Top of rocky spur bears N. and S. desc. abruptly.
12.70 Dry ravine 80 ft. below top of spur course south ascend.
14.20 Top of spur bears N. and S. desc.
18.60 Dry ravine 10 lks. wide course south. asc.
23.30 Top of spur bears NW. and SE. desc.
24.00 Cliff 10 ft. high bears N. and S.
32.00 Foot of steep descent, leave mountainous land bears N. and S. enter broken land.

- 40.04 Intersect N. and S. line 96 lks. $S. 0^{\circ}2' E.$ of the ^{old} cor. of secs. 20, 21, 28, and 29. ^{point of intersection} Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 20 and 29., marked or brass cap $\frac{1}{2}$ cc. W. of center. T. 3 N., R. 3 E. in N. half S. 21., S. 28 in E. half. S. 20 in NW., and S. 29 in SW. quadrant. Raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No trees suitable for bearing trees within limits.; Pits impracticable.

Land broken and mountainous drains SE.; spurs steep stony with scarcely any soil. Timber scattering palo verde.

Survey, Retracement, & Resurvey of part of the Subdivision lines of T.3N. R.3E.

Chains

- I change the old cor. of secs. 20, 21, 28, and 29 from a cor. common to four to a cor. common to two secs.
 Thence I run
 N 0°02'W. on a random line on W. bdry. of sec. 21.
 40.00 I make a diligent search for the ^{old} $\frac{1}{4}$ sec. cor., which I fail to find, therefore I continue my ^{RANDOM} line N 0°02'W. and at
 79.78 Fall 56 lks. E. of the ^{old} cor. of secs. 16, 17, 20, and 21., which is a lime stone 6x7x5 ins. above ground, loosely set, marked with 4 notches on E. and 3 notches on S. edges. with remains of mound of stone W. of cor. ~~True course & dist. back of this to the cor. of secs. 21 and 28 is therefore S 0°26'E., 79.78 chs.~~ From cor. just found I run, ~~thence I run~~
 S 0°26'E., on a true line, on W. bdry. of sec. 21,
 Ascend NW. slope of ridge over stony mountainous land, through scattering palo verde timber and brush.
 26.00 Top of ridge bears N 80°E. and S 80°W. desc.
 34.75 Dry ravine 8 lks. wide course SE. asc.
 37.78 Old road bears NW. and SE.
 39.89 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor., marked on brass cap ¹⁹²¹ $\frac{1}{4}$ S 21 in E. half. Raise a mound of stone 2 ft. base $\frac{1}{2}$ ft. high E. of cor. A palo verde 4 ins. in diam., bears S 81°E. 158 lks. dist., marked $\frac{1}{4}$ S 21 BT.; No other trees in limits. Pits impracticable.
 44.58 Dry ravine 5 lks. wide course east, asc.
 49.63 Top of spur bears E. and W. desc.
 54.28 Dry ravine 8 lks. wide course east. asc.
 58.33 Top of spur bears NE. and SW. desc.
 61.88 Foot of abrupt descent, descend gradually.
 69.75 Dry ravine 6 lks. wide course SE. asc.
 72.38 Top of spur bears NW. and SE. desc.
 73.33 A mine shaft bears east 110 lks. dist.
 75.75 Leave mountainous land bears NE. and SW., enter broken land.
 77.25 Dry ravine 5 lks. wide 2 ft. deep course SE.
 79.78 Intersect the cor. of secs. 21 and 28, hereinbefore described.
 N. 75.50 chs. mountainous, spurs steep with worthless stony soil 2 to 6 ins. deep on decomposing ledges of granite and porphyry stone. S. 4.25 chs. broken SE. slope; soil light poor stony loam 8 to 10 ins. deep on clay subsoil, light growth bunch grass. Timber scattering palo verde.

October 31, 1912.

November 1, 1912, At 7^h 44^m a.m., l.m.t. I set of 33°34 $\frac{1}{2}$ 'N. on the lat. arc, 14°23 $\frac{1}{2}$ 'S. on the decl. arc, and determine a meridian with the solar at the ^{old} cor. of secs. 19, 20, 29, and 30, hereinbefore described.

Thence I retrace, North bet. secs. 19 and 20. and at 24.00 chs. I make a diligent search for the old witness cor. to the $\frac{1}{4}$ sec. cor., which is described as a post 3 ft. long, 3 ins. square, set in a mound of earth but am unable to find any trace of this cor., therefore I return to the cor. of secs. 19, 20, 29, and 30,

Thence I run,

- N 0°03'W., on a true line, bet. secs. 19 and 20.
 Over rolling stony land, through scattering palo verde timber and greasewood brush undergrowth 4 ft. high.
 8.20 Dry ravine 30 lks. wide 8 ft. deep course SW. thence in ravine.
 10.20 Leave ravine ascend SE. slope.
 11.00 Old road bears NE. and SW.
 26.40 Dry ravine course east., 8 lks. wide. 6 ft. deep.
 28.70 Leave rolling land bears NE. and SW., enter mountainous land, ascend abrupt S. slope of spur.
 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 ¹⁹²¹ $\frac{1}{4}$ S 19 in W. and S 20 in E. half.; No trees suitable for bearing trees within limits; Raise a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high W. of cor., Pits impracticable.
 40.60 Top of spur bears NE. and SW. desc. abruptly.
 46.40 Dry ravine 75 ft. below top of spur course east. asc. abruptly.
 69.20 Top of mountain 800 ft. high bears N 50°E. and S 50°W. desc.

DOOR 1902

Survey, Retracement, & Resurvey of part of the Subdivision lines of T. 3 N. R. 3 E.

Chains.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 17, 18, 19, and 20., marked on brass cap 1912; T 3 N., R 3 E. in N. half, S 18 in NW., S 17 in NE., S 20 in SE. and S 19 in SW. quadrant. No trees suitable for bearing trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. ; Pits impracticable
S. 28.70 chs. rolling land. soil stony loam dry 3 to 6 ins. deep on clay and shale subsoil. N. 31.30 chs. rugged mountains spurs abrupt with light poor stony soil 2 to 6 ins. deep on ledges of malpais and porphyry no grass. Timber palo verde

West, on a random line, bet. secs. 18 and 19.

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

79.80 Intersect the W. bdry. of Tp. 28 lks. N. of the cor. of secs. 13, 18, 19, and 24., which I re-established October 31, as ~~hereinbefore~~ described, thence I run,

N $89^{\circ}48'E$, on a true line, bet. secs. 18 and 19.

Over level sandy land, through greasewood brush undergrowth 4 ft. high.

.51 Wire fence bears N. and S.

4.00 Leave level sandy land bears NW. and SE., ascend abrupt SW. slope of spur over mountainous land, through scattering palo verde timber.

26.00 Top of abrupt ascent on spur of mountain 700 ft. above sec. cor. thence ascend gradually along top of spur.

35.00 Summit of mountain bears NW. and SE. descend abruptly over NE. slope.

39.80 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 18 in N. half and S 19 in S. half from which

A palo verde 5 ins. in diam. bears S $66\frac{1}{4}^{\circ}E$. 93 lks. dist., marked $\frac{1}{4}$ S 19 BT.

A palo verde 4 ins. in diam. bears S $41\frac{1}{2}^{\circ}W$. 61 lks. dist., marked $\frac{1}{4}$ S 19 BT.

47.50 Dry ravine 8 lks. wide course north. asc.

63.25 Top of spur bears N $25^{\circ}E$. and S $25^{\circ}W$. desc.

70.80 Dry ravine 6 lks. wide course N $35^{\circ}E$. asc.

79.80 The cor. of secs. 17, 18, 19, and 20, hereinbefore described.

W. 4.00 chs. level bottom land .soil light dry sandy loam 12 ins. deep on dry clay subsoil. E. 75.80 chs. mountainous spurs with abrupt slopes covered with malpais boulders. very little light poor stony loam on ledges of malpais stone. Timber palo verde.

N $0^{\circ}3'W$, on a random line, bet. secs. 17 and 18.

40.28 Fall 175 lks. E. of the ^{old} $\frac{1}{4}$ sec. cor., which is a granite stone 9x5x7 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

I reconstruct the old mound of stone., thence I run

S $0^{\circ}03'E$, on a true line, bet. secs. 17 and 18.

Ascend along W. slope of spur over stony mountainous land through scattering palo verde timber and greasewood brush undergrowth 4 ft. high.

30.50 Top of spur bears NW. and SE. desc.

35.25 Dry ravine course NW. ascend abruptly.

40.28 Intersect N. bdry of sec. 19 175 lks. S $89^{\circ}48'W$. of the cor.

of secs. 17, 18, 19, and 20. ^{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. 17 and 18., marked on brass cap ¹⁹¹² CC. N. of center T 3 N. R 3 E. in N. half. S 19., S 20 in S. half. S 18 in NW. and S 17 in NE. quadrant. from which a palo verde 6 ins. in diam. bears N $68^{\circ}W$. 105 lks. dist., marked T 3 N., R 3 E., S 18 BT.

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

I change the cor of secs. 17, 18, 19, and 20. from a cor. common to four secs. to a cor. common to secs. 19 and 20. only. and re mark the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19 $\frac{1}{4}$ S 19 in S. half to refer to sec. 19 only.

Survey, Retracement & Resurvey of part of the Subdivision lines of T 3 N., R 3 E.

Chains Land mountainous, spurs steep rocky, with very little poor stony loam 4 to 6 ins. deep on clay and shale subsoil., light growth bunch grass. No timber.

NOTE: At the cor. of secs. 19 and 20 I set off $14^{\circ}29\frac{1}{2}'$ S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of $33^{\circ}35'$ N. on the lat. arc.

----- November 1. 1912

November 2, ^{1912,} At 8^h 44^m a.m., l.m.t. I set off $33^{\circ}35\frac{1}{2}'$ N. on the lat. arc, $14^{\circ}45'$ S. on the decl. arc, and determine a meridian with the solar at the ^{old} cor. of secs. 16, 17, 20, and 21, hereinafter described,

Thence I run,

West, on a random line, bet. secs. 17 and 20.

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

78.70 Intersect N. and S. line, 76 lks. N. of the cor. of secs. 19 and 20, hereinafter described,

Thence from cor. of secs. 19 and 20, I run

East, on a true line, bet. secs. 17 and 20.

Descend NE. slope over stony mountainous land, through scattering palo verde timber and greasewood brush under growth 3 ft. high.

2.50 Dry ravine 5 lks. wide course NW. ascend abruptly.

9.00 Summit of mountain 500 ft. high bears N 20° E. and S 20° W. descend abruptly.

27.00 Foot of abrupt descent, leave mountainous land bears N. and S. enter broken land.

37.50 Dry ravine 25 lks. wide course north ascend.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 20., marked on brass cap ^{1912,1} $\frac{1}{4}$ S 20 in S. half. from which

An ironwood 14 ins. in diam. bears S $29\frac{1}{2}^{\circ}$ E. 208 lks. dist., marked $\frac{1}{4}$ S 20 BT.

A palo verde 10 ins. in diam. bears S $48\frac{1}{2}^{\circ}$ W. 195 lks. dist. marked $\frac{1}{4}$ S 20 BT.

46.40 Old road bears N. and S.

48.35 Dry ravine 20 lks. wide 6 ft. deep course north ascend NW. slope of spur. over mountainous land.

59.35 Point of spur bears NW. and SE. desc.

60.80 Dry ravine 5 lks. wide course NW.

66.00 Point of spur bears N. and S. desc.

70.40 Dry ravine 10 lks. wide 4 ft. deep course north.

74.70 Old road bears NW. and SE.

75.70 Dry ravine 8 lks. wide 5 ft. deep course N 10° E. asc.

78.10 Very dim road bears N. and S.

78.70 Intersect W. bdy. sec. 21, 76 lks. S $0^{\circ}26'$ E. of the old cor. of secs. 16, 17, 20, and 21. ^{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. 17 and 20 marked on brass cap ^{1912,} CC. W. of center. T 3 N., R 3 E. in N. half. S 16., S 21 in E. half. S 17 in NW., and S 20 in SW. quadrant. from which

A palo verde 7 ins. in diam. bears N $46\frac{1}{4}^{\circ}$ W. 216 lks. dist., marked T 3 N., R 3 E. S 17 BT.

A palo verde 8 ins. in diam. bears S $55\frac{1}{2}^{\circ}$ W. 254 lks. dist., marked T 3 N., R 3 E., S 20 BT.

The ^{old} cor. of secs. 16, 17, 20, and 21., being in a dilapidated condition, I destroy the old cor. and re-establish it in the same place as follows: Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16 and 21, marked on brass cap T 3 N., R 3 E. in N., and S 17., S 20 in W. half. S 16 in NE., and S 21 in SE. quadrant. from which

An ironwood 10 ins. in diam. bears N $46\frac{1}{2}^{\circ}$ E. 47 lks. dist., marked T 3 N., R 3 E., S 16 BT.

A palo verde 8 ins. in diam. bears S $84\frac{3}{4}^{\circ}$ E. 69 lks. dist., marked T 3 N. R 3 E. S 21 BT.

W. 27 chs. mountainous soil worthless stony loam, dry on clay and stony subsoil, light growth bunch grass.

middle 20.00 chs. broken, soil light poor gravelly loam, r) to 6 ins. deep on clay and shale subsoil. E. 30 chs. mountainous spurs with light poor stony loam on clay subsoil. Timber

Survey, Retracement & Resurvey of part of the Subdivision lines of, T. 3 N. R. 3 E.

Chains. Palo verde, and ironwood.

November 2, 1912.

-
- November 5, 1912^h At 9^h 44^m a.m., l.m.t. I set off 33°34 $\frac{1}{2}$ ' N. on the lat. arc, 15°42' S. on the decl. arc, and determine a meridian with the solar at the ^{OLD} cor. of secs. 21, 22, 27, and 28., which is a granite stone 12x10x7 ins. above ground, firmly set, marked and witnessed as described by the surveyor general,
- Thence I run,
East, on a random line, bet. secs. 22 and 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.,
- 79.66 Intersect N. and S. line, 12 lks. N. of the ^{OLD} cor. of secs. 22, 23, 26, and 27., which is a porphyry stone 10x9x8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
- Thence I run
N 89°55' W., on a true line, bet. secs. 22 and 27.
Ascend NE. slope over rolling stony land, through scattering palo verde and ironwood timber and greasewood brush undergrowth 4 ft. high.
- 31.50 Dry ravine 5 lks. wide 3 ft. deep course NE.
- 39.83 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. and S 27 in S. half., from which
- A palo verde 5 ins. in diam. bears N 42° E. 148 lks. dist., marked $\frac{1}{4}$ S. 22 BT. and
- A palo verde 5 ins. in diam. bears S 29 $\frac{3}{4}$ ° E. 63 lks. dist., marked $\frac{1}{4}$ S. 27 BT.
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
- 45.00 Leave rolling land bears N. and S. Enter mountainous land ascend abrupt E. slope of spur.
- 54.90 Summit of spur 400 ft. above $\frac{1}{4}$ sec. cor. bears N 20° E. and S 20° W descend abrupt W. slope.
- 73.00 Foot of abrupt descent, descend gradually.
- 77.20 Foot of peak thence along S. slope of peak ascending.
- 78.60 Top of ascent on S. slope of peak, desc.
- 79.66 The ^{OLD} cor. of secs. 21, 22, 27, and 28, heretofore described
- E. 45.00 chs. rolling E. slope. soil light dry gravelly loam 12 ins. deep on clay and shale subsoil. W. 35.00 chs. mountainous spurs abrupt, washed on slopes stony, with very little worthless stony loam. Timber palo verde and ironwood.

November 5, 1912.

Sidney E. Blout
U.S. Surveyor

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BOOK 2642 For FINAL OATH OF UNITED STATES SURVEYOR.
see BOOK "O" of 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~~ *Survey, Retracement and Resurvey of*
Part of the Subdivision lines and Resurvey of
Part of the West boundary of
Township No 3 North Range No 3 East 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~~ *and resurveys* they describe, are hereby approved.

Frank Ingalls
U. S. Surveyor General of
Arizona.

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

U. S. Surveyor General.