20N R5E

SURVEY & RESURVEY SUBS.

T. 20 N. R. 5 E.

No 350

BOOK 350

4-671

FIELD NOTES

GENERAL LAND OFFICE.

No 350

X

350

PRELIMINARY OATHS OF ASSISTANTS.

We, L. L. Steward

and Herman Schulz

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivision lines of sections 3, 4, and 5, of T. 20 N. R. 5 E.

BOOK 350

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

L. L. Steward, Chainman.

Herman Schulz, Chainman.

, Chainman.

, Chainman.

Subscribed and sworn to before me this 18th day of March, 1904.

[SEAL.]

Marion Goodale
U. S. Deputy Surveyor
~~Notary Public.~~

No 350 2

BOOK 350

Field notes
of the survey and resurvey of the
Subdivision lines
of
Secs. 3, 4, and 5
of
Township No. 20 N., Range No. 5 East.
of the
Gila and Salt River Base and Meridian,
in the
Territory of Arizona,
as surveyed by
Marvin Caudle and
Carl R. Caudle
U. S. Deputy Surveyors.
Under their contract No. 97,
Dated June 30, 1902, and special
instructions dated July 26, 1902, and
February 24, 1904.
Survey Commenced March 18 1904.
Survey Completed March 22, 1904.

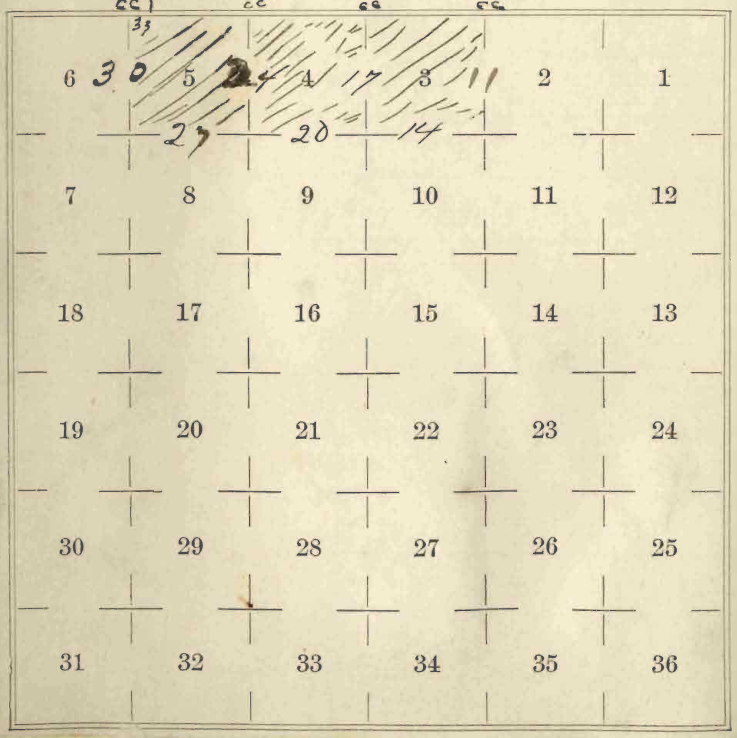
5

Names and Duties of Assistants

L. L. Stewart, Chainman
Herman Schulz, Chainman
C. R. Caudle, acting flagman
and chainman

Township No. 20 N. R. No. 5 E.

BOOK 350



BOOK 350

Subdivision of T. 20 N. R. 5 E.

Survey commenced March 18, 1904, and executed with a W. & L. E. Gurley Light Mountain transit, (not numbered) with solar attachment and Jones patent latitude arc; the horizontal limb is provided with two double vernier placed opposite to each other reading to single minutes of arc; the vernier of the decl. arc reads to 30" of arc and the vernier of the latitude arc read respectively to single minutes and ten seconds of arc; the instrument is also provided with a vertical arc of 180°; the

Subdivision of T. 20 N. R. 5 E.

vernier of which reads to
30" of arc.
The instrument was examined
tested on the true meridian
at Phoenix, found correct
and was approved by
the surveyor general for
Arizona Sept. 19, 1902.
I examined the adjustments of the
transit and corrected the level
and collimation errors, then
to test the solar apparatus
by comparing its indications
resulting from observations
on the sun during four
different hours, I proceeded as
follows:
At the closing Cor. of secs. 3 & 4,
T. 20 N. R. 5 E., March 18, 1904, I

BOOK 350

Subdivision of Tp. 20 N. R. 5 E.

set off 0°48' S. on the ded. arc, 35°07' N. on the lat. arc, and at 3h 30m p.m., Mst., determine a meridian with the solar, and mark a point thereof by a lack on a plug set firmly in the ground 5.00 chs. N. of my station.

At 7h 35m p.m., Mst., I observe Polaris at western elongation, in accordance with the manual of instructions, and mark a point in the line thus determined by a lack on a plug set firmly in the ground 5.00 chs. N. of my station.

March 18, 1904.

March 19, 1904, At 7h a.m. I lay

Subdivision of T. 20 N. R. 5 E.

off the azimuth of Polaris 1°28' to the east, and mark a point in the true meridian thus determined by a tack on the plug already set 5.00 ch. N. of my station, which point coincides with the point determined with the solar.

At 8h a.m., L.M.T., I set off 0°31½' S. on the decl. arc, 35°07' N. on the Lat. arc, and determine a meridian with the solar, which coincides with the meridian determined from the Observation on Polaris.

The solar apparatus by p.m. and a.m. observations defines positions for true meridians

BOOK 350

Subdivision of Tp. 20 N. R. 5 E.

respectively coinciding with the true meridian determined from observations on Polaris; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 10m a.m. ~~is~~ N. 15°50' W.; the angle thus determined gives the mag. decl. 15°50' E.

March. 19. 1904.

March. 20 1904. Rain all day.

Subdivision of Sp. 20 N. R. 5 E.

Statement of reasons for the resurvey of certain section lines in township 20 N. R. 5 E.

Upon completing the survey of the lines between the north half of secs. 3 and 4, and 4 and 5, T. 20 N. R. 5 E., ~~the lines being the only ones remaining unsurveyed in the township~~, I find that the boundaries of secs. 3, 4, and 5 do not close within the allowable limits of error. I therefore make a complete resurvey of the E. S. and W. Bdrs. of these sections in order to properly close the survey.

BOOK 350

Subdivision of T. 20 N. R. 5 E.

March 21. 1904. I begin at the closing cor. of secs. 2 and 3. T. 20 N. R. 5 E. which is located on the 5th St. Par. N. at a point 9.36 chs. S. 89° 47' W. of the standard cor. of secs. 34 and 35.

This closing cor. as previously reestablished by me is a sandstone 24 x 14 x 10 ins., set in a mound of stone 3 ft. base, 1¾ ft. high, cannot set in ground, for closing cor. of secs. 2 and 3. marked C C on S. with 2 grooves on E. and 4 grooves on W. faces, from which

A pine 70 ins. diam., bears S. 70° W. 27 lks. dist., marked

C C T 20 N R 5 E S 3 B T (new B T)

A Pine 38 ins. diam., bears S. 37° E. 41 lks.

Subdivision of T. 20 N. R 5 E.

dict, marked ~~T X X N R V E H~~ as described by the Surv. Gen'l.

This is an old bearing tree.

At this cor. at 8h 12m a.m., Sept.,
I set off 0° 16' N. on the decl.
arc; 35° 07' W. on the lat. arc,
and determined a true meri-
dian with the solar.

Thence I run

South,

bet. secs. 2 and 3.

Over mountainous land,
through heavy Pine timber and
scattering oak brush.

Ascend from cor.

3.00 Ridge bears NW. & SE.

37.00 Ascend, bears E. & W.

40.06 Fall 27 lks W. of old ¼ sec. cor.
which is a post 4 ins. sq.,
rotted off. I reestablish the

cor. at the same points as follows;

Set a Malafaic stone 18 x 12 x 10 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which

A Pine 14 ins. diam., bears N. 87° E. 20 lks. dist., marked 1/4 S 2 B T

A Pine 7 ins. diam., bears N. 62° W. 11 lks. dist., Marks grown over. Remark 1/4 S 3 B T

The true course and length of this 1/2 mile is S. 0° 23' E. 40.06 chs.

Thence S from cor. ascending.

14.00 Top of ridge and ascent of 125 ft., bears E. & W. Descend.

39.71 Fall 4 lks. E. of the old cor. of secs. 2, 3, 10, & 11, which is a post 4 ins. sq. set in a mound.

Subdivisions of Tp. 20 N. R 5 E.

of stone, greatly decayed. I reestablish the cor. at the same point as follows

Set an iron stone 15 x 10 x 8 ins., 10 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. sdys; from which

A Dead Pine 25 ins. diam., bears N 45° E. as described by the Surveyor General 85 lks. dist., mkd. T X N R X E 11

a Pine 32 ins. diam., bears S. 85° E. 56 lks. as described by the Surveyor General dist., mkd T X N R X E 11

a Pine 23 ins. diam., bears S 47° 30' W. 86 lks. as described by the Surveyor General dist., mkd T X N R X E 10

a Pine 26 ins. diam., bears N. 12° E. 86 lks. as described by the Surveyor General dist., mkd. T X N R X E 11

I mark another tree as follows:

An Oak 8 ins. diam., bears N. 41° W. 57 lks. dist., mkd. T20N R5E S3 B T

Subdivision of Sec. 20 N. R. 5 E.

The true course and length of this ½ mile is S. 0° 04' W. 39.71 chs.
Land. Mountainous and rolling.
Soil. stony and clay loam, 3rd & 4th rate.
Timber large heavy pine.
Mts. or heavily timbered land 79.71 chs.

S. 89° 52' W.

bet. secs 3 and 10.

Over rolling land through heavy pine timber

39.81 Fall 9 lks. S. of old ¼ sec. cor. which is a post 4 ins. sq., greatly decayed, I reestablish the cor. at the same point as follows: Set an iron stone 15 x 10 x 6 ins., 10 ins in the ground for ¼ sec. cor. marked ¼ on N. face; from which

Subdivision of Sec. 20 N. R. 56.

A Pine 12 ins. diam., bears N. 32° E. 10 lks. dist., mkd. ~~B T S~~ Surv. Gen'l as described by the

A Pine 20 ins. diam., bears ~~S.~~ S. 51° 10' W. 22 lks. dist, mkd. ~~B T S~~ Surv. Gen'l as described by the

These are the old bearing trees.

The true course and length of this ½ mile is West 39.81 chs.

Thence from Cor. ~~S~~ 89° 52' W.

22.00 Descend, bears N.W. & S.E.

37.30 Flat Ravine, course N. 60° W.

Post descent of 100 ft.

40.00 Fall 22 lks. S. of the old cor. of secs. 3, 4, 9, & 10 which is a post greatly decayed and fallen. I reestablish the cor. at the same point as follows:

Set a mala pais 18 x 10 x 4 ins., ½ ins. in the ground for cor. of secs. 3, 4, 9 & 10, marked with 5 notches

Subdivision of Tp. 20 N. R. 5 E.

on S. and 3 notches on E. side;

from which

A Pine 32 ins. diam., bears N. 43½° E. as described the Surveyor General 31 lks. dist., mkd. ~~from over~~.

A Pine 33 ins. diam., bears S. 83° E., 73 lks. as described by the Surveyor General dist., mkd. ~~FXXNRVE~~

A Pine 29 ins. diam., bears S. 41° W. 74 lks. as described by the Surveyor General dist., mkd ~~FXXNRVE~~

A Pine 32 ins. diam., bears N. 3° 30' W. 191 lks. as described by the Surveyor General dist. mkd. ~~FXXNRVE~~

These are the old bearing trees.

The true course and length of this ½ mile is N. 89° 49' W. 40.00 ch.

Land, rolling.

Soil, clay loam + stony 3rd + 4th rate.

Timber pine

Heavily timbered land. 79.81 chs.

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Subdivision of Tp. 20 N. R. 5 E.

North,

bet. secs. 3 & 4.

Over rolling land through heavy pine timber.

1.20 Flat Ravine, course W. to NW.

12.00 ascend rocky slope, bears E. ⁊ ms.

16.00 Top ascent 40 ft. bears E ⁊ ms.

25.00 Descend bears NW. ⁊ S.E.

39.97 Fall 2 lks. E. of old ¼ cor. found reestablished as follows; set a Slate Stone 20 x 12 x 4 ins., in a mound of stone 2 ft. base 1½ ft. high, for ¼ sec. cor. mkd. ¼ on W., 3 on E. face; from which A Dead Pine 25 ins. diam., bears N. 22° 30' E. 45 lks. dist, mkd. ¼ S

A Dead Pine 32 ins. diam., bears S 34° W. 79 lks. dist, mkd ½ S.

I mark two new bearing trees as follows;

BOOK 350

Subdivision of T. 20 N. R. 5 E.

A Pine 16 ins. diam., bears N 87½ W N 87 W.
94 lks. dist., mkd. ½ S 4 BT
A Pine 12 ins. diam., bears S 85° 30' E. 127
lks. dist., mkd ½ S 3 BT
The true course and length of
this ½ mile is N. 0° 02' W. 39.97 chs.
At this cor. I set off 0° 19' N. on
the decl. and found at 0h 07.3m
P.M., Sept., observed the sun
on the meridian; the
resulting lat. is 35° 06' 30" N.
which is about correct.
Thence from cor.
N. 0° 02' W.
on a true line bet. Secs. 3 & 4.
Over mountainous land, through
heavy Pine timber.
Descend from cor.
4.35 Ravine 75 ft. deep, course N.W.

Subdivision of Tp. 20 N. R. 5 E.

7.50 Top of cut of 6 oft. bears N. 45° E.
Thence over slope to W.

26.50 Descend into Volunteer Canyon, bears E. & W.

30.90 Bottom of Volunteer Canyon, Course W. and foot descent of 185 ft. Stagnant Pool of water 20 ft. E. & W. & 1 ft. wide.

31.07 Intersect the closing cor. previously established, by me & destroy all trace of cor. and at

31.50 Intersect the 5th St. Par. N. and N. bdy. of the tp. 13.82 chs. west of the standard cor. of secs. ~~28 and~~ 34, which I established March. 19. 1904. Set a limestone 24 X 14 X 10 ins., 18 ins. in the ground for

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Subdivision of Tp. 20 N. R. 3 E.

Closing Cor. of secs. 3 & 4,
marked C C on S. with 3 grooves
on E & W. faces; from which
A Spruce 8 ins. diam., bears S 49° 30' W.
145 lks. dist., mkd. C C T 20 N R 3 E S 1 B T
A Pine 18 ins. diam. bears S. 63° 45' E.
156 lks. dist., mkd. C C T 20 N R 3 E S 3 B T
Land. Mountainous and rolling.
Soil. Stony and clay loam 2nd & 4th qlts.
Timber. Pine.
Mts. or heavily timbered land 71.47 chs.

From the cor of secs 3, 4, 9 & 10.
I run
S 89° 55' W.
bet. secs. 4 and 9.
Over rolling land through
heavy Pine timber
ascend gradually.

Subdivision of Tp. 20 N. R. 5 E.

11.00 Top of ascent of 6 oft. bears N.W.

30.00 Descend, bears N.E & S.W.

33.00 Foot descent of 30 ft. bears N.E. & S.W.

39.80 Fall ½ ch. N. of old ¼ sec. cor. a post greatly decayed and fallen, I reestablish the cor. at the same point as follows

Set a Malapai's 16 x 10 x 8 ins., 10 ins in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which

A Pine 32 ins. diam., bears S 35° 30' W. as described by the Surveyor General 30 lks. dist., mkd. ~~¼ S~~

A Pine 14 ins. diam., bears N 86° 30' E. 174 as described by the Surveyor General lks. dist., mkd ~~¼ S~~.

These are the original Bearing trees.

The true course of this ½ mile is S 89° 55' W. 39.80 ch.

Subdivision of Sec. 20 N. R. 5 E.

Thence from cor.
S 89° 56' W.

24.00 Descend, bears N.W. & S.E.

33.50 Ravine, course N.W.

39.37 Fall 1½ lks. S. of old cor. of secs. 4, 5, 8, & 9, which is the remains of a post greatly decayed in a small mound of stone, I reestablish the cor. at the same point as follows:

Set a Limestone 18 x 11 x 5 ins., 12 ins. in the ground for cor. of secs. 4, 5, 8, and 9, marked with 8 notches on S. and 4 notches on E. edge, from which

A Pine 34 ins. diam. bears S. 16° E. 66 lks. dist., ~~mkd. T X X R X E H~~

Subdivision of Tp. 20 N. R. 5 E.

A Pine 16 ins. diam., bears S. 2° 30' E. 170 lks. dist., ~~mkd. T 1 N R 5 E 1 X~~

A Pine 38 ins. diam., bears S 19° 30' W. 116 lks. dist., ~~mkd. T 1 N R 5 E 1 1~~

A Pine 34 ins. diam., bears N. 30 W. 69 lks. dist., ~~mkd. T 1 N R 5 E 2~~

These are the original bearing trees marked as described by the Surv. Gen'l.
The true course & length of this ½ mile is S. 89° 56' W. 39.37 chs.

Land, Mountainous and rolling.

Soil, Stony and clay loam, 3rd & 4th Rate.

Timber heavy Pine.

Mtns. & heavily timbered land 79.17 chs.

March 21, 1904.

BOOK 350

Subdivision of Sec. 20 N. R. 5 E.

Mar. 22. 1904: at 8h 30m a.m., Lat., I set off 0° 40' N. on the decl. arc, 35° 06' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 8 & 9.

Thence due North,

bet. secs. 4 & 5.

Over Mountainous land, through heavy pine timber. Descend.

3.05 Ravine 40 ft. below cor., course N.W. to N. General course N.W.

11.50 Spur, bears E. & W.

18.00 Side hill ravine, course E.W.

38.00 Ridge, bears N.W. & S.E.

39.78 Fall 38 lks. E. of old 1/4 sec. cor., previously reestablished by me as follows:

A malapai stone 20 x 8 x 5 ins. set

Subdivision of Tp. 20 N. R. 5 E.

in a mound of stone 3 ft. base, 1½ ft. high, cannot set in ground. for ¼ sec. cor, mkd. ¼ on W. face. from which

A Pine 31 ins. diam, bears N. 85° E 57 lks. dist. mkd. ¼ S 4 BT

A Pine 29 ins. diam, bears S 76° 30' W. 102 lks. dist, mkd. ¼ S 5 BT

The true course of this ½ mile is N. 0° 33' W. 39.78 chs.

Thence from cor.

N. 0° 02' W.

on a true line bet. sec 4 & 5.

Over Mts. land through heavy pine timber and Oak brush.

Descend from cor.

3.40 Descend abruptly into Volunteer Cañon, bro E. and.

8.85 Volunteer Canyon. 200 ft. deep

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Subdivision of Sp. 20 N. R. 5 E.

Course W.

15.90 Top of N. Rim of canyon

18.20 Ridge bears E. & W.

26.00 Canyon 100 ft. deep, course S. 40° E.

29.10 Ridge, bears N.W. & S.E.

31.53 Intersect 5th st. Par. N, and N. Bdy. of Sp. 13,478 Chs. W. of the S.E. cor. of secs. 32 & 33. at closing cor. of secs. 4 & 5. formerly established by me as follows;

A Limestone 20 X 14 X 5 ins., set in a mound of stone 2½ ft. base 1½ ft. high, cannot set in ground for closing Cor. of secs. 4 and 5, mkd. C C on S. with 4 grooves on E. and 2 grooves on W. faces; from which

A Pine 27 ins. diam, bears S. 29° 30' W 101 lks. dist., mkd. C C T 20 N R 5 E S 5 B T

Subdivision of Tp. 21 N. R. 5 E.

A Pine 31 lks. diam., bears S. 77° 30' E.
126 lks dist., mkd. C C T 21 N R 5 E S ¼ B T
Land. Mts.
Soil, Stony, 3rd and 4th Rate.
Timber, Pine.
Mts. heavily timbered land
71.31 Chs.

From the cor. of secs. 4, 5, 8, and 9.
Arun
N. 89° 49' W.
bet. secs. 5 & 8.
Over Mts. land through heavy
Pine timber.

2.00 Spur bears N. E. & S. W.
10.25 Ravine, course S. W.
16.00 Ridge 75 ft. high, bears N. E. & S. W.
30.00 Descend, bears N. W. & S. E.
39.79 Fall & lks. N. of old ¼ sec. cor., which

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Subdivision of Sec. 20 T. R. 5 E.

ie a Post 4 ins. sq. greatly decayed
& reestablish the cor. as follows,
Set a Mala pais stone 15 x 10 x 6 ins.,
10 ins. in the ground for 1/4 sec. cor.
mkd. 1/4 S on N. face; from which
A Pine 19 ins. diam., bears S 78 3/4 E.
20 lks. dist., ~~mkd. 1/4 S~~
A Pine 14 ins. diam., bears S. 17 W. 20
lks. dist., ~~mkd. 1/4 S.~~
These are the original bearing
marked as describes by the Surv. Gen.
trees, I mark as altered as follows:
A Oak 14 ins. diam., bears N. 40 3/4 E
29 lks. dist., mkd., 1/4 S 5 B T.
The true corner of this 1/2 mile
is N. 89° 56' W. 39.79 chs.
Thence from cor.
N. 89 0/4 W.
3.00 Foot descent of 40 ft. bears
N. W. 45 E.

Subdivision of Tp. 20 N. R 5 E.

40.12 Fall 46 lks. N. of the old cor. of secs. 5, 6, 7 & 8. which is a post greatly decayed & fallen, remains of stump in small mound of stone, I reestablish the cor. at the same point as follows:

Set a malapais 15 x 10 x 6 ins., 7/8 ins. in the ground for cor. of secs. 5, 6, 7 & 8. mkd. with 5 notches on S. and E. edge;

from which

A Pine 22 ins. diam., bears N. 20° E. as described by the Surv. Gen. 41 lks. dist, mkd. ~~T X X R T E~~ V

A Pine 12 ins. diam., bears S. 11° E. 134 lks. mk's as described by the Surv. Gen. dist, ~~mks grown over~~

A Pine 19 ins. diam., bears S. 61° 30' W. as described by the Surv. Gen. 58 lks. dist; ~~mks grown over~~

A Pine 19 ins. diam., bears N. 20° 15' W.

30

Subdivision of Tp. 20 N. R. 5 E.

as described by the Surv. General
4/7 lks. dist. mkd. ~~T XX R XE VI~~

The true course of this ½ mile
is S. 89° 32' W. 40.12 chs.

Land. Mts. and rolling.

Soil, stony & clay loam 2nd
and 4th rate.

Timber, pine.

Mts. or heavily timbered land
79.91 chs.

Note,- It being cloudy
at noon no lat. obs. could
be taken

North,

bet. secs. 5 & 6.

Over rolling land, through
heavy Pine timber.

24.00 Ravine, course N.W.

32.00 Ridge bears N.E. & S.W.

BOOK 350

Subdivision of T. 20 N. R. 5 E.

32.31 Fall 3.99 chs. W. of the
OK old ¼ sec. cor. which is
a post 4 ins. sq., set in a
mound of stone, I reestablish
the cor. at the same point
as follows;
Set a Limestone 15 x 10 x 5 ins.,
in a mound of stone 2 ft. base
1 ft. high, cannot set in ground,
for ¼ sec. cor. mkd. ¼ on W. face,
from which
A Pine 16 ins. diam., bears N. 22° 30' E.
139 lks. dist; Mks. grown over. I remark
¼ S 5 BT
A Pine 20 ins. diam., bears S 84° W. 99 lks.
dist, Mks. grown over, I remark,
¼ S 6 BT
The true course of this line
is N. 7° 02' E. 32.55 chs.

BOOK 350

Subdivision of Tp. 20 N. R. 5 E.

Thence from Cor.
North,

12.00 Ridge bears N.W. & S.E. Descend.

22.00 Ravine, 35 ft. deep course E.

24.70 Spur bears E. & W.

32.00 Foot descent of 100 ft. bears N.W. & S.E.

37.00 Wash in bottom of Volunteer Canyon, 150 lks. wide, course N 30° W.

39.48 Fall 26 lks. W. of the old closing Cor. of secs 5 and 6, which is a post nearly rotted away, remains of post in small mound of stone, I reestablish as follows;
Set a Limestone 15 x 10 x 9 ins. 10 ins. in the ground for closing Cor. of secs. 5 & 6, marked C. C. on S. with 1 groove on W. and 5 groove

Subdivision of Tp. 20 N. R. 5 E.

or E. faces; from which

A pine 36 ins. diam., bears
as described by the Surv. General
S 72° W. 103 lks. dist., mkd. T XX N R VE V I

A pine 37 ins. diam. bears, S 50° 45' E.
as described by the Surv. General
25 1/2 lks. dist., mkd. T XX N R VE V

The true course of this 1/2 Mile
is N. 0° 22' E. 39.48 chs.

Land. Mountainous and
rolling.

Soil, clay loam stony.

3rd & 4th Rate.

Timber, Pine

Mts. or heavily timbered land.
72.00
~~72.05~~ chs.

East, along N. Bdy. sec. 5, and
5th St. Par. N.

Over nearly level land, thro'gh
heavy Pine timber.

1.90 Ascend from bottom canyon.

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Subdivision of Tp. 20 N. R. 5 E.

bears N.W. & S.E.

8.60 Fall 3 lks. S. of the standard Cor. of Secs. 31 & 32.
The true course of this line is N. 89 48' E. 8.60 chs.
Land, level and Mts.
Soil, black loam & stony
3rd & 4th Rate.
Timber, pine,
Mts. or heavily timbered land 8.60 chs.

March 22, 1904.

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Subdivision of T. 20 N. R. 5E.

BOOK 350 Table of Latitudes

Line	course	Distance	Boundaries of N
E. Bdy.	S. 0°23' E.	40.06 Chs.	
	S. 0°04' W.	39.71	
S. Bdy.	West	39.81	
	N. 89°49' W.	40.00	0.13
W. Bdy.	N. 0°02' W.	71.47	71.47
N. Bdy.	East.	13.82	
	North	~~7.88~~ 8.06	~~7.88~~ 8.06
	East	35.05	
	N. 89°47' E.	~~30.67~~ 30.70	.12
Error in Latitude and Departure			~~.17~~
	Totals		~~79.77~~ 79.98

Sec. 3, T. 20 N. R 5 E.

S	E	W.	
40.06	0.27		
39.71		0.04	
		39.81	
		40.00	
		0.04	
	13.82		
	35.05		
	30.70		
	30.67		
	.05		
21	.08		
~~79.77~~ 79.98	79.89	79.89	

BOOK 350 Table of Latitudes

Line	Course.	Boundaries Distance	of N.
E. Bdy.	S. 0° 02' E.	71.47	
S. Bdy.	S. 89° 55' W.	39.80	
	S. 89° 56' W.	39.37	
W. Bdy.	N. 0° 32' W	39.78	39.78
	N. 0° 02' W.	31.53	31.53
N. Bdy.	East.	79.66.	
Error in Latitude & Departure			.27
Totals.			71.58

Sec. 4. T. 20 N. R. 5 E.			
S.	E.	W.	
71.47	0.04		
.06		39.80	
.05		39.37	
		.38	
		.02	
	79.66	.	
		.13	
71.58	79.70	79.70	

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Table of Latitudes

Boundaries of N

Line.	Course	Distance	
E. Bdy	S. 0° 02' E.	31.53	
	S. 0° 33' E.	39.78	
S. Bdy.	N. 89° 56' W.	39.79	.05
	S. 89° 32' W	40.12	
W. Bdy	N. 7° 02' E	32.55	32.31
	N. 0° 22' E.	39.48	39.48
N. Bdy.	N. 89° 48' E.	8.60	.03
	East	66.52	
Error in Latitude & Departure			
	Totals		71.87

and Departures.

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Sec. 5, Tp. 20 N. R. 5 E.

S	E	W
31.53	0.02	
39.78	.38	
		39.79
.33		40.12
	3.99	
	.26	
	8.60	
	66.52	
.23	.14	
71.87	79.91	79.91

Subdivision of T. 20 N. R. 5 E.

General Description of lands in Secs. 3, 4 & 5, T. 20 N. R. 5 E.

The lands in these sections are mountainous and rolling, covered with a heavy growth of pine, which is very valuable. There are no running streams or springs and no settlers.

A deserted cabin in the NW. ¼ of sec. 5, in the bottom of Volunteer Canyon was found.

There are no valuable mineral deposits known. The soil is stony and in a few places clay

and sandy loam, but is generally unfit for cultivation. A good growth of grass covers most of the land, and renders it valuable for grazing.

Carl R. Gaudle
U.S. Deputy Surveyor.

Warren Gaudle
U.S. Deputy Surveyor

LIST OF NAMES.

A list of the names of the individuals employed by

Maurice Bourdet

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision lines of sections 3, 4, and 5, of T. 20 N., R. 5 E.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, showing the respective capacities in which they acted.

L. L. Steward, Chainman.

Herman Schultz, Chainman.

_____, Chainman.

_____, Chainman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Marvin Goudle United States Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of sections 3, 4, and 5, of T. 20 N. R. 3 E.

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of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for Arizona.

L. L. Steward, Chainman.

Vernon Schirlg, Chainman.

_____, Chainman.

_____, Chainman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this 25th day of March, 1904

Marvin Goudle

[SEAL.] U.S. Deputy Surveyor

~~Notary Public~~ &c.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Marvin Candler, United States Deputy Surveyor, do solemnly swear that in pursuance of a contract received from Hugh A. Price, United States Surveyor-General for Arizona, bearing date of the 30th day of June, 1902, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisions of sections 3, 4, and 5, of T. 20 N. R. 5 E.

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of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by me and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetu-

ated in strict accordance with the Manual of Surveying Instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field notes, and that the foregoing are the TRUE field notes of such survey; and should any fraud be detected I will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

Marvin Caudle
Carl H. Caudle
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 7th day of April, 1902.

D. M. Fenton
Clerk District Court for Yavapai County Arizona

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APPROVAL.

ffice of the

United States Surveyor-General,

Phoenix, Arizona.

June 22 - 1904

he foregoing field notes of the sur-
ey ~~of~~ summary of the subdv. lines of
ecs 3, 4, + 5, T 1 20 N R 5 E
the Gila and Salt River Base and Me-
idian, in the Territory of Arizona.
xecuted by Caudle + Caudle
nited States Deputy Surveyor, under his
ontract No. 97 , dated June 30 1902,
aving been critically examined, and the
ecessary corrections and explanations
ade, the said field notes, and the sur-
eys they describe, are hereby approved.

U. S. Surveyor-General.