

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

145

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420

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 420

SITUATED IN THE **TONTO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 31 , unsurveyed, Township 11 N. , Range 11 E.
In Section 36 , unsurveyed, Township 11 N. , Range 10 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona.

Applicant for listing **W. P. Nail,**

Residence **Payson, Arizona.**

Application No. **57** ✓ , dated **May 24** , 1907 ✓

List No. **528** ✓ , dated **October 18** , 1907 ✓

Applicant for survey **Peter C. Haught,**

Residence **Payson, Arizona.**

H. E. No. **05193** ✓ , dated **March 11** , 1909 ✓

Land Office, Phoenix, Arizona.

Survey executed by **Walter G. Turley, Surveyor, Forest Service.**
[Forest Service Title.] ✓

Under special instructions dated **September 23** , 1915 ✓

Survey commenced **December 23** , 1915

Survey completed **December 27** , 1915

Under Acts of **June 11, 1906 and March 4, 1915.** ✓

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OATH OF ASSISTANTS

We hereby certify that we assisted **Walter G. Turley,**
Surveyor, Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. 420, in the State
of **Arizona** which are represented in the following 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 estab-
lished, according to the instructions furnished by the United States
Surveyor General for **Arizona**.

Note:

It would have been very expensive
and inconvenient to appear before
an officer to administer the oaths
to assistants; hence they were tak-
en by the Surveyor.

Charles J. Baecht Chairman
Ferry D. Lewis Chairman

Subscribed and sworn to before me this *twenty eighth* day of
March, 19*16*.

Walter G. Turley
Surveyor Forest Service

OATH OF SURVEYOR

I, **Walter G. Turley,** Surveyor Forest Service.
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **Arizona**, dated
September 23, 19 **15**, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land embraced in

List, No. **528**, dated **October 18, 1907**, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No.
situated within the **Tonto** National Forest, in
unsurveyed Section **31**, Township **11 N.**, Range **11 E.**, and
unsurveyed Section **36**, Township **11 N.**, Range **10 E.**,

of the **Gila and Salt River Base &** meridian, **Arizona**, and the
related retracements and resurveys and section subdivisions, which are
represented in the following field notes as having been surveyed by me;
and I further solemnly swear that all the corners of said survey have
been established and perpetuated in strict accordance with the stated
special instructions, and in the specific manner described in the field
notes, and that the following are the original field notes of such
survey.

Walter G. Turley
Surveyor Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this *8th* day of

April, 19*16*



8-2349

Clair C. Meyers
Notary Public

Chains

Applicant for listing, W. P. Nail; Application No. 57, dated May 24, 1907; List No. 528, dated October 18, 1907; Homestead Entry No. 05193, made in the Phoenix Land Office on March 11, 1909 by Peter C. Haight whose post office address is Payson, Arizona.

List No. 528 in this case was made by legal subdivisions in a township which was never legally surveyed. No attempt was made to locate original lines on the ground. This survey is therefore in the nature of a cooperative survey and will be used as a basis for amendatory listing and entry.

Township 11 N., R. 11 E. was surveyed under contract No. 116 by U. S. Deputies Campbell and Oakes, dated April 18, 1904. The east boundary and subdivisions were finally rejected January 8, 1909. The retracement of portions of south and west boundaries under this contract were accepted on same date.

Surveyed under Acts of June 11, 1906 and March 4, 1915 together with special instructions from the Surveyor General for Arizona dated September 23, 1915 and designated as Homestead Entry Survey No. 420

Situated in what will probably be when surveyed, secs. 31 and 36, T. 11 N., Rs. 10 and 11 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced December 23, 1915 and executed with a W. & L. E. Gurley light mountain transit, No. 12953. I test the adjustments of the transit and solar attachment and make necessary corrections.

All distances are horizontal and were reduced from measurements made directly on the slope with a 500 link steel tape, graduated to links and tenths. The

Chains slope angles were determined with a clinometer, the vernier of which reads to degrees.

December 23, 1915.

I set my transit over cor. to secs. 25, 30, 31 and 36, T. 11 N., Rs. 10 and 11 E., hereinafter described, and with telescope direct I observe Polaris in accordance with instructions at 5h. 10m. p.m. l.m.t. and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station, in lat. $34^{\circ} 15' 39''$ N. and long. $111^{\circ} 16' 20''$ W., from special instructions of the Surveyor General and later verified.

Astron. l.m.t. obsn. December 22, 1915, 29h. 10.0m.

Astron. l.m.t.U.C. Pol. December 22, 1915, 7h. 27.7m.

Hour angle Pol. at obsn. 21h. 42.3m.

23h. 56.1m.

Time argument 2h. 13.8m.

Azimuth Pol. at obsn. $0^{\circ} 46' 12''$ E.

With my transit set up over cor. to secs. 25, 30, 31 and 36, T. 11 N., Rs. 10 and 11 E., hereinafter described, and telescope reversed in altitude and azimuth at 5h. 22m. p.m. l.m.t. on the same date, I again observe Polaris in accordance with instructions and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my

station.

Astron. l.m.t. obsn. December 22, 1915, 29h. 22.0m.

Astron. l.m.t.U.C. Pol. December 22, 1915, 7h. 27.7m.

Hour angle Pol. at obsn. 21h. 54.3m.

23h. 56.1m.

Time argument 2h. 01.8m.

Azimuth Pol. at obsn. $0^{\circ} 42' 30''$ E.

Chains December 24, 1915.

I turn off $0^{\circ} 46'$ the azimuth of Polaris to the W. from its direction at 5h. 10m. p.m. l.m.t. December 23, 1915, and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

I also turn off $0^{\circ} 42\text{-}1/2'$ the azimuth of Polaris to the W. from its direction at 5h. 22m. p.m. l.m.t. and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. This line falls $0^{\circ} 00' 32''$ of measured arc to the W. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and from the corresponding meridian all the courses stated in these field notes were deflected and reffered by continuous sustained angulation.

Lat. $34^{\circ} 15' 39''$ N., long. $111^{\circ} 16' 20''$ W. at cor. No. 1, H. E. S. No. 420, by account from the special instructions of the Surveyor General. The sun was obscured at apparent noon, therefore an observation for latitude was not possible.

My watch is set for standard 105th meridian time from which I subtract 25m. 05s. for l.m.t.

The observed magnetic declination cor. No. 1, H. E. S. No. 420, 8h. 00m. a.m. December 24, 1915 was $15^{\circ} 00'$ E. Mean magnetic declination $14^{\circ} 59'$ E.

RETRACEMENT

Thence North.

On a random line from the 1/4 cor. bet. secs. 36 and 31, T. 11 N., Rs. 10 and 11 E. (accepted) which is a

4.

TRENTON NATIONAL FOREST

STATE OF ARIZONA

Chains granite stone 6 x 4 x 6 ins. above ground, chiseled
 1/4 on W. face with mound of stone 2 ft. base, 1-1/2
 ft. high W. of cor. from which
 A 17 in. pine bears S. 72° 53' E., 116 lks.,
 blazed and scribed 1/4 S 31 B T
 39.99 I fall 15 lks. W. of cor. to secs. 25, 30, 31 and 36,
 T. 11 N., Rs. 10 and 11 E., (accepted) which is a
 granite stone 11 x 9 x 6 ins. above ground chiseled
 1 notch on S. and 5 notches on N. edge, with mound of
 stone 2 ft. base, 1-1/2 ft. high W. of cor., from which
 A 5 in. dead cedar bears N. 32° 00' E., 17 lks.
 blazed and scribed T 11 N R 11 E S 30 B T
 A 12 in. juniper bears S. 39° 00' E., 103 lks.
 blazed and scribed T 11 N R 11 E S 31 B T
 A 9 in. black oak bears S. 68° 32' W., 154 lks.
 blazed and scribed T 11 N R 10 E S 36 B T
 A 5 in. black oak bears N. 65° 16' W., 27 lks.
 blazed and scribed T 11 N R 10 E S 25 B T

Thence S. 0° 13' W. on a true line.
 29.99 Set temp. point.
 39.99 To 1/4 sec. cor. to secs. 31 and 36 heretofore described.

I adopt cor. to secs. 25, 30, 31 and 36, T. 11 N., Rs.
 10 and 11 E., heretofore described, for cor. No. 1 of
 this survey, and chisel cross on the corner stone at
 the point and alongside to SE. of cor. drive a cedar
 stake scribed 1 - H E S 420 whence from cor.,
 A 5 in. juniper bears S. 81° 00' W., 39 lks.
 blazed and scribed 1 - H E S 420 + B T.
 A 10 in. alligator juniper bears S. 40° 53' E.,
 103 lks. blazed and scribed 1 H E S 420 + B T.

Thence East.
 Desc. rolling S. slope 10 ft. in undergrowth.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

8.63

To Cor. No. 2.

At which point I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground over which I set a porphyry stone 24 x 15 x 8 ins. 15 ins. in the ground chiseled cross at the point and 2 - H E S 420 on the SW. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which

A 5 in. black oak bears N. 72° 55' W., 48 lks.

blazed and scribed 2 H E S 420 + B T

A 6 in. black oak bears S. 21° 20' E., 77 lks.

blazed and scribed 2 H E S 420 + B T.

Thence South

Asc. rolling NW. slope 10 ft. in undergrowth.

11.90

Ridge, bears NE. and SW. Desc. SW. slope 40 ft.

20.00

To cor. No. 3.

At which point I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground; over which I set a granite stone 24 x 10 x 8 ins., 14 ins. in the ground; chiseled cross at the point and 3- H E S 420 on SW. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which

A 7 in. cedar bears N. 52° 25' W., 57 lks.

blazed and scribed 3 H E S 420 + B T

A 4 in. cedar bears N. 4° 00' W., 22 lks.

blazed and scribed 3 H E S 420 + B T.

Thence East.

Asc. W. slope 40 ft. in undergrowth.

8.20

Ridge, bears N. and S. Desc. SE. slope 15 ft.

10.00

To cor. No. 4.

At which point I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground; over which

Chains I set a granite stone 24 x 12 x 4 ins. 14 ins. in the
ground chiseled cross at the point and 4 - H E S 420
on the SW. face and dig pits 24 x 18 x 12 ins. cross-
wise on this and the succeeding course 7 ft. dist.
and raise a mound of earth 4 ft. base, 2 ft. high,
SW. of cor. from which

A 9 in. pine bears N. 42° 20' E., 40 lks.

blazed and scribed 4 H E S 420 + B T

A 14 in. pine bears N. 18° 00' W., 75 lks.

blazed and scribed 4 H E S 420 + B T

Thence South.

Desc. SE. slope 10 ft. in undergrowth.

1.65 Ravine, course SE. Asc. NE. slope 20 ft.

4.15 Ridge, bears NW. and SE. Desc. SW. slope 30 ft.

10.00 To cor. No. 5.

At which point I chisel cross on a stone 4 x 4 x 2

ins. and deposit it 14 ins. in the ground; over which

I set a granite stone 24 x 12 x 5 ins., 14 ins. in the

ground; chiseled cross at the point and 5 - H E S 420

on the SW. face and dig pits 24 x 18 x 12 ins. cross-

wise on this and the succeeding course, 7 ft. dist.

and raise a mound of earth 4 ft. base, 2 ft. high

SW. of cor. from which

A 4 in. pine bears S. 76° 45' E., 45 lks.

blazed and scribed 5 H E S 420 + B T.

A 4 in. cedar bears N. 25° 00' E., 81 lks.

blazed and scribed 5 H E S 420 + B T.

Thence East.

Asc. SW. slope 10 ft. in undergrowth.

1.85 Ridge, bears NW. and SE. Desc. SE. slope 20 ft.

7.10 Ravine, course S. Asc. SW. slope 20 ft.

Chains	
20.25	Ridge, bears NW. and SE. Desc. NE. slope 15 ft.
22.47	To Cor. No. 6. Identical with cor. No. 5 H. E. S. 418 which is a quartzite stone 9 x 8 x 10 ins. above ground chiseled cross at the point and 5- H. E. S. 418 on SE. face with mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. I. chisel 6 - H. E. S. 420 on the SW. face of the same stone for cor. No. 6 of this survey from which
	A 6 in. walnut bears S. 39° 15' E., 68 lks. blazed and scribed 6 H. E. S. 420 5 H. E. S. 418
	A 5 in. black oak bears N. 6° 18' W., 30 lks. blazed and scribed 6 H. E. S. 420 5 H. E. S.
	Thence S. 6° 52' W.
	Along W. bdy. H. E. S. 418. Ascend NE. slope 10 ft. in undergrowth.
1.75	Ridge, bears NW. and SE. Desc. S. slope 20 ft.
5.23	Wagon road to Payson, bears E. and W.
5.44	Forest Service Telephone line, bears E. and W. Continue over open bottom.
6.64	Enter lane. Continue along lane.
13.94	Leave lane.
16.16	Leave bottom, bears NE. and SW. Asc. NW. slope 15 ft. in undergrowth.
18.90	Ridge, bears NE. and SW. Desc. S. slope 10 ft.
20.24	To Cor. No. 7. Identical with cor. No. 4 H. E. S. No. 418 which is a granite stone 9 x 6 x 10 ins. above ground chiseled

Chains

cross at the point and 4 - H E S 418 on the NE. face
with pits 24 x 18 x 12 ins. crosswise on line N. and
S. 4 ft. and mound of earth 4 ft. base 2 ft. high
NE. of cor. I adopt this cor. for cor. No. 7 of
this survey and chisel 7 - H E S 420 on the NW. face
of same stone and dig a pit 24 x 18 x 12 ins. cross-
wise on line 4 ft. W. of cor. and add the earth to
the mound that stands NE. of cor. from which
A 7 in. cedar bears N. 25° 15' E., 31 lks.
blazed and scribed 4 H E S 418 + B T.
A 7 in. black oak bears S. 23° 35' E., 26 lks.
blazed and scribed 4 H E S 418 + B T
A 4 in. white oak bears N. 35° 30' W., 12 lks.
blazed and scribed 7 H E S 420 + B T.
A 9 in. juniper bears N. 25° 40' E., 32 lks.
blazed and scribed 7 H E S 420 + B T.

Note: I find line 4-5 of H. E. S. 418 to be N. 6° 52'
E., 20.24 chs. as against N. 6° 54' E. 20.26 chs.
recorded in the field notes thereof. This difference
is well inside limits allowed for retracements and
inspections.

Thence West.

Ascend SE. slope 20 ft. in undergrowth.
6.90 Ridge, bears NE. and SW. Desc. N. slope 10 ft.
13.40 Ravine, course NE. Ascend SE. slope 15 ft.
16.00 Ridge, bears NE. and SW. Desc. N. slope 15 ft.
18.34 Ravine, course NE. Asc. SE. slope 10 ft.
20.00 To cor. No. 8.

At which point I chisel cross on a stone 4 x 4 x 2 ins.
brand deposit it 16 ins. in the ground; over which I set
a granite stone 26 x 10 x 5 ins. 16 ins. in the ground

Chains

chiseled cross at the point and 8 - H E S 420 on the NE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. of cor. from which

A 7 in. pine bears N. 15° 30' E., 57 lks.

blazed and scribed 8 H E S 420 + B T.

A 5 in. pine bears N. 60° 45' E., 36 lks.

blazed and scribed 8 H E S 420 + B T.

December 24, 1915.

December 27, 1915.

Thence North.

Ascend S. slope 15 ft. in undergrowth.

1.10 Ridge, bears NE. and SW. Descend N. slope 35 ft.

8.63 Wire fence, bears WNW. and ESE. Enter bottom

10.00 To cor. No. 9.

At which point I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 16 ins. in the ground over which I set a granite stone 26 x 12 x 7 ins. 16 ins. in the ground chiseled cross at the point and 9 - H E S 420 on the NE. face and dig pits 24 x 18 x 12 ins. crosswise on this and the succeeding course 3-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NE. of cor. from which

A 5 in. cedar bears S. 20° 16' E., 70 lks.

blazed and scribed 9 H E S 420 + B T.

A 12 in. cedar bears S. 39° 20' W., 78 lks.

blazed and scribed 9 H E S 420 + B T.

Thence N. 89° 48' W.

Over bottom in undergrowth.

2.23 Wire fence, bears NW. and SE.

8.00 Leave bottom, bears NE and SW. Ascend SE. slope 40 ft.

12.10 Ridge, bears N. and S. Desc. W. slope 35 ft. in timber.

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NATIONAL FOREST

STATE OF ARIZONA

Chains
18.86

To cor. No. 10.

Identical with the 1/4 sec. cor. to secs. 31 and 36,

T. 11 N., Rs. 10 and 11 E., heretofore described. I

chisel cross on top of cor. stone for cor. No. 10

of this survey and drive a stake scribed 10 - H E S

420 alongside to the N. of cor. from which

A 17 in. pine bears S. 72° 53' E., 116 lks.

blazed and scribed 1/4 S 31 B T

A 5 in. pine bears S. 50° 20' E., 40 lks.

blazed and scribed 10 H E S 420 + B T

A 4 in. black oak bears N. 50° 15' W., 24 lks.

blazed and scribed 10 H E S 420 + B T.

Thence S. 89° 57' W.

Asc. rolling NE. slope 20 ft. in undergrowth.

11.20 Ridge, bears N. and S. Desc. NW. slope 20 ft.

18.29 Fence, bears ENE. and WSW.

19.12 Arroyo, 10 lks. wide, course NE. Continue over open
bottom.

19.54 Fence, bears NE. and SW.

20.12 Payson wagon road, bears NE. and SW.

20.14 Forest Service telephone line, bears NE. and SW.

20.80 Fence, bears NE. and SW. Enter cultivated field.

22.64 Leave cultivated land, bears NE. and SW. Asc. E. slope
10 ft. in undergrowth.

25.44 Pole fence, bears NW. and SE.

26.00 Ridge, bears NE. and SW. Continue along N. slope.

30.04 To cor. No. 11.

At which point I chisel cross on a stone 4 x 3 x 2 ins.

and deposit it 14 ins. in the ground over which I set

a granite stone 24 x 12 x 7 ins. 14 ins. in the ground

chiseled cross at the point and 11 - H E S 420 on NE.

face; dig pits 24 x 18 x 12 ins. crosswise on this and

Chains of the succeeding course 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NE. of cor. from which
 A 6 in. pine bears N. 6° 00' W.; 44 lks.
 blazed and scribed 11 H E S 420 + B T
 A 22 in. juniper bears N. 42° 30' E.; 65 lks.
 blazed and scribed 11 H E S 420 + B T.

Thence N. 0° 09' E.
 Desc. N. slope 5 ft. in undergrowth.
 2.00 Pole fence, bears NNW. and SE. Enter cultivated field.
 7.80 Right bank arroyo 5 ft. high, course ENE. Enter arroyo
 30 lks. wide.
 10.00 To cor. No. 12.

At which point, I chisel cross on a granite ledge exposed in bed of arroyo and establish two witness corners as follows:
 At a point N. 89° 57' E., 0.50 chs. dist from true point for cor. No. 12, on safe ground, I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground over which I set a granite stone 24 x 9 x 9 ins. 14 ins. in the ground chiseled W C 12 H E S 420 on the SE. face and dig pits 24 x 18 x 12 ins. crosswise on line south and east 2-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, SE. of cor. from which

A 5 in. cedar bears N. 4° 02' E.; 9 lks.
 blazed and scribed W C 12 H E S 420 + B T.
 A 7 in. oak bears S. 39° 00' E.; 13 lks.
 blazed and scribed W C 12 H E S 420 + B T.
 At a point N. 0° 09' E., 1.10 chs. dist. from true point for cor. No. 12, on safe ground, I chisel cross on a stone 4 x 4 x 3 ins. and deposit it 14 ins. in the



12.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains on ground over which I set a granite stone 24 x 10 x 8
 ins. 14 ins. in the ground chiseled W C - 12 - H E S
 420 on the SE. face and dig pits, 24 x 18 x 12 ins.
 crosswise on line south and east, 3-1/2 ft. dist. and
 raise a mound of earth 4 ft. base, 2 ft. high; SE. of
 cor. from which I

A 7 in. pine bears N. 37° 45' W., 13 lks.

blazed and scribed W. C 12 H E S 420 + B T

A 9 in. pine bears N. 58° 00' E., 63 lks.

blazed and scribed W C 12 H E S 420 + B T.

Thence N. 89° 57' E.

From cor. No. 12.

0.10 Left bank of arroyo, 5 ft. high, course S. Asc. rolling

S. slope 20 ft.

0.50 To Witness Corner to cor. No. 12, heretofore described.

1.75 Fence, bears WNW. and ESE.

4.20 Ridge, bears N. and S. Desc. rolling S. slope 20 ft.

30.07 To cor. No. 13 and Closing Corner on line between secs.

31 and 36, T. 11 N., Rs. 10 and 11 E.

At which point I chisel cross on a stone 4 x 4 x 2 ins.

and deposit it 14 ins. in the ground over which I set

a granite stone 24 x 13 x 6 ins. 14 ins. in the ground

chiseled cross at the point, C C on NW. face, and 13-

H E S 420 on the SE. face, and raise a mound of stone

2 ft. base, 1-1/2 ft. high, W. of cor. from which

A 5 in. cedar bears N. 58° 30' W., 38 lks.

blazed and scribed 13 H E S 420 + B T.

A 5 in. cedar bears S. 55° 30' W., 28 lks.

blazed and scribed 13 H E S 420 + B T.

1/4 cor. to secs. 31 and 36, T. 11 N., Rs. 10 and

11 E., heretofore described bears S. 0° 13' W.

10.00 chs. dist.

Cor. to secs. 25, 30, 31 and 36, heretofore

Chains	described bears N. 0° 13' E., 29.99 chs. dist.
<hr/>	
	Thence N. 0° 13' E.
	Along line bet. secs. 31, and 36, T. 11 N., Rs. 10 and 11 E. Asc. S. slope 40 ft. in undergrowth.
5.50	Ridge, bears NW. and SE. Desc. NE. slope 40 ft.
14.00	Foot of slope, bears NW. and SE. Continue over bottom.
18.70	Right bank of arroyo, 4 ft. high, course SE., 30 lks. wide.
19.35	Left bank of arroyo, 4 ft. high, course SE. Continue over bottom.
23.42	Leave bottom, bears NW. and SE. Asc. rolling SW. slope 35 ft. in undergrowth.
29.99	To cor. No. 1, the place of beginning.

AREA

Area in Sec. 31, - - - - -	97.54 acres
Area in Sec. 36, - - - - -	<u>30.06</u> acres
Total Area - - - - -	-127.60 acres

IMPROVEMENTS.

The improvements made upon and for the benefit of this claim, consist of the following:

A frame stable, 60 x 45 ft., the long side extending E. and W., and the NW. cor. of which bears S. 22° 00' E. 10.50 chs. from cor. No. 3.

Estimated value - - - - - \$500.00

A frame dwelling, 24 x 20 ft., the long side extending N. and S. and the NW. cor. of which bears S. 11° 20' E., 10.20 chs. from cor. No. 3.

Estimated value - - - - - \$500.00

A frame shop, 16 x 16 ft., the long side extending E. and W., and the NW. cor. of which bears S. 12° 30' E.

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TONTO NATIONAL FOREST

15.

STATE OF ARIZONA

Chains.	11.30 chs. from cor. No. 3.	
	Estimated value	-----\$ 75.00
	A frame chicken house, 12 x 10 ft., the long side extending E. and W. and the NW. cor. of which bears S. 18° 00' E., 10.02 chs. from cor. No. 3.	
	Estimated value	-----\$ 50.00
	A well, 4 x 4 x 24 ft. deep, the center of which bears S. 12° 00' E., 7.45 chs. from cor. No. 3.	
	Estimated value	-----\$ 75.00
	Approximately 32 acres of cultivated land.	
	Approximately 2-1/2 miles of fencing.	
	Estimated value	-----\$ 250.00

DESCRIPTION

This claim is situated in Star Valley which drains south into Tonto Creek, at an elevation of approximately 5100 ft. and is valuable for general farming and stock raising.

There are a few scattering mature pine trees included in this survey. The slopes are covered with oak, manzanita, and cedar.

The entryman was present at the time of survey and was satisfied with the survey as marked upon the ground. Sufficient water for domestic purposes is obtained from the well. None is used for irrigation.

The soil is a dark sandy loam in the bottom and produces the ordinary crops of the temperate zone without irrigation. The slopes are decomposed granite; good crops of barley and corn have been produced.

This section is not reported to be mineralized and no townsites, mining, coal or oil claims are known to have been located in conflict with this survey. Payson, Arizona, the nearest post office is 7 miles

TONTONIAVOIT NATIONAL FOREST

STATE OF ARIZONA

Chains

by wagon road in a westerly direction. Globe railway station is 106 miles by wagon road in a southeasterly direction.

There are no conflicts.

H. E. S. No. 418, Andrew M. Ogilvie claimant, adjoins this survey on the east. Line 6-7 of this survey was run along an old and well established property line.

H. E. S. No. 156 lies NE. of this claim, about one mile.

H. E. S. No. 53 lies SE. of this claim, about 1/2 mile.

TRAVERSE

Sec. 31.

Cor.	Course	Dist.	N	S	E	W
1-2	East	8.63			8.63	
2-3	South	20.00		20.00		
3-4	East	10.00			10.00	
4-5	South	10.00		10.00		
5-6	East	22.47			22.47	
6-7	S. 6° 52' W.	20.24		20.09		2.42
7-8	West	20.00				20.00
8-9	North	10.00	10.00			
9-10	N. 89° 48' W.	18.86	0.07			18.86
10-1	N. 0° 13' E.	39.99	39.99		0.15	
		<u>180.19</u>	<u>50.06</u>	<u>50.09</u>	<u>41.25</u>	<u>41.28</u>
				<u>50.06</u>		<u>41.25</u>
				.03		.03

Error in lat. and dep.

Closing error 1:4247.

TRAVERSE

Sec. 36

Cor.	Course	Dist.	N	S	E	W
10-11	S. 89° 57' W.	30.04		0.03		30.04
11-12	N. 0° 09' E.	10.00	10.00		0.03	
12-13	N. 89° 57' E.	30.07	0.03		30.07	
13-10	S. 0° 13' W.	10.00		10.00		0.04
		<u>80.11</u>	<u>10.03</u>	<u>10.03</u>	<u>30.10</u>	<u>30.08</u>
				<u>10.03</u>	<u>30.08</u>	
				.00	.02	

Error in lat. and dep.

Closing error 1:4005

Survey completed December 27, 1915.

Walter F. Tully
Surveyor Forest Service

NATIONAL FOREST

STATE OF ARIZONA

Chains

by wagon road in a westerly direction. Globe station is 100 miles by wagon road in a southeasterly direction.

There are no conflicts.

H. E. S. No. 418, Andrew M. Ogilvie claim, adjoins this survey on the east. Line 6-7 of this survey was run along an old and well established property line.

H. E. S. No. 156 lies NE. of this claim, about one mile.

H. E. S. No. 53 lies SE. of this claim, about 1/2 mile.

TRAVEL

Sec. 31.

Cor.	Course	Dist.	N	S	E	W
1-2	East	8.63				
2-3	South	20.00		20.00		
3-4	East	10.00			10.00	
4-5	South	10.00		10.00		
5-6	East	22.47			22.47	
6-7	S. 6° 52' W.	20.24			20.09	2.42
7-8	West	20.00				20.00
8-9	North	10.00	10.00			
9-10	N. 89° 48' W.	18.86	0.07			18.86
10-11	N. 0° 13' E.	32.92	32.92		0.15	
		130.19	30.08	30.08	41.35	41.38
			30.06			41.35
				0.08		0.08

Error in lat. and dep. Closing error 1:4247.

TRAVEL

Sec. 32

Cor.	Course	Dist.	N	S	E	W
10-11	S. 89° 57' W.	20.04		0.03		20.04
11-12	N. 0° 09' E.	10.00	10.00		0.03	
12-13	N. 89° 57' E.	20.07		0.03		20.07
13-14	S. 0° 13' W.	10.00		10.00		0.04
		80.11	10.03	10.03	30.10	30.08
			10.03			30.08
				0.03		0.03

Error in lat. and dep. Closing error 1:4005

Survey completed December 27, 1915.

Surveyor Forest Service

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 19 1917 , 191

The foregoing field notes of Homestead Entry Survey No.

420

executed by *Walter G. Lurley, Surveyor* [Forest Service Title.]
under his special instructions, dated *September 23*, 191*5*, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the
above-described survey in the State of **ARIZONA**, has been
correctly copied from the original notes on file in this office.

FRANK P. TROTT

U. S. Surveyor General.