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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 284

SITUATED IN THE TUSAYAN NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 3 , - surveyed, Township 29 N., Range 3 E.
In Section 4 , - surveyed, Township 29 N., Range 3 E.
In Section 33 , - surveyed, Township 30 N., Range 3 E.
In Section 34 , - surveyed, Township 30 N., Range 3 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona

Applicant for listing Lewis W. Bentley,

Residence Grand Canyon, Arizona

Application No. 263 ✓ , dated November 11 , 1912 ✓

List No. 3-2385 ✓ , dated March 13 , 1913 ✓

Applicant for survey Lewis W. Bentley, ✓

Residence Grand Canyon, Arizona

H. E. No. 024123 ✓ , dated January 12 , 1914 ✓

Office

Land District Phoenix, Arizona

Survey executed by L. C. Way, Forest Ranger
[Forest Service Title.]

Under special instructions dated October 7 , 1914 ✓

Survey commenced November 8 , 1914

Survey completed November 10 , 1914

Under Acts of June 11, 1906 and June 30, 1914 ✓

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OATH OF ASSISTANTS

We hereby certify that we assisted **L. C. Way,**
Forest Ranger in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **284**, 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 established, 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 oaths to Assistants; hence, they were taken by the Surveyor.

E. H. Oedeman, Chairman

Subscribed and sworn to before me this *10th (Tenth)* day of *November*, 1914.

L. C. Way

Forest Ranger

OATH OF SURVEYOR

I, **L. C. Way,** **Forest Ranger**
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for **Arizona**, dated **October 7**, 1914, 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 Patent, No. **3-2385**, dated **March 13**, 1913, for the same to be known as Homestead Entry Survey No. **284**, situated within the **TUSAYAN** National Forest, in
- surveyed Section **3**, Township **29 N.**, Range **3 E.**, and
- surveyed Section **4**, Township **29 N.**, Range **3 E.**, and
- surveyed Section **33**, Township **30 N.**, Range **3 E.**, and
- surveyed Section **34**, Township **30 N.**, Range **3 E.**

of the **G. and S. R. B.** and **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.

L. C. Way

Forest Ranger
[Forest Service Title.]

Subscribed and sworn to before me this *23rd* day of *March*, 1915.

L. L. Ferrall

Notary Public



TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Lewis W. Bentley; Application No. 263, dated November 11, 1912; List No. 3-2385, dated March 13, 1913; H. E. No. 024123, made at Phoenix, Arizona, by Lewis W. Bentley, dated January 12, 1914. Surveyed under special instructions from the Surveyor General for Arizona, dated October 7, 1914, and designated as Homestead Entry Survey No. 284.

Situated in secs. 3, 4, 33 and 34, Ts. 29 and 30 N., R. 3 E., Gila and Salt River Base and Meridian, Tusayan National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and June 30, 1914.

Survey commenced November 8, 1914, and executed with a W. and L. E. Gurley transit No. 31, provided with a full vertical circle and a horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc, which is also the least count of the vernier on the vertical circle.

I test the adjustments of the transit and find no corrections necessary.

All measurements were made with a 66 ft. surveyor chain, which I test by comparison with 66 ft. mark on 100 ft. surveyor's steel tape. Chain leveled on slopes.

November 8, 1914.

At the cor. to secs. 3, 4, 33 and 34, which is a limestone 6 x 12 x 8 ins. above ground, marked and witnessed as described by the Surveyor General, in Lat. 35° 56' N., Long. 112° 04' 30" W., by account from a Land Office map. I observe the altitude of the sun's

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Chains center for azimuth, by properly focusing the cross-wires, and reflecting the image of the sun on a sheet of white paper held in the hand back of the eye-piece. The reading on the reference object is set at zero and my watch is set for local mean time.

(1)

Telescope	l.m.t.	Vertical Angle	Horizontal Angle
Direct	10h. 18m. 00s.	34° 00' 00"	155° 43' 40"
Reversed	10h. 22m. 00s.	34° 12' 20"	156° 26' 00"
Mean	10h. 20m. 00s.	34° 06' 10"	156° 04' 50"

(2)

Direct	10h. 28m. 00s.	34° 38' 40"	157° 56' 40"
Reversed	10h. 32m. 00s.	34° 51' 00"	158° 45' 20"
Mean	10h. 30m. 00s.	34° 44' 50"	158° 21' 00"

Bearing of reference mark by (1) N. 0° 05' 50" W.

Bearing of reference mark by (2) N. 0° 06' 38" W.

Mean N. 0° 06' 14" W.,

and to the corresponding meridian all the courses of this survey are referred.

November 8, 1914.

Preliminary to commencing the survey of this claim, I retrace the public land lines intersected by the claim as follows:

Beginning at the cor. to secs. 3, 4, 33 and 34, heretofore described, I run West on a random line bet. secs. 4 and 33.

40.00 Fall 6 lks. N. of the 1/4 sec. cor. bet. secs. 4 and 33, which is a stone 6 x 10 x 4 ins. above ground, marked and witnessed as described by the Surveyor General.

Therefore, the bearing of this line is S. 89° 55' W.,

40.00 chs. I move to 1/4 cor.

Chains Thence North.

On a random line through sec. 33.

80.00 Fall 44 lks. W. of the 1/4 cor. to secs. 28 and 33, which is a stone 4 x 8 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 0° 19' W.

On a true line along the meridional 1/4 sec. line through sec. 33.

14.23 Set temp. point for cor. No. 10 of this claim.

36.43 Set temp. point for cor. No. 11 of this claim.

80.00 The 1/4 cor. to secs. 4 and 33, the place of beginning.

I return to cor. common to secs. 3, 4, 33 and 34, heretofore described and run East.

On a random line bet. secs. 3 and 34.

39.91 Fall 1 link S. of the 1/4 cor. to secs. 3 and 34, which is a stone 6 x 12 x 4 ins. above ground, marked and witnessed as described by the Surveyor General. Therefore, the bearing of this line is N. 89° 59' E., 39.91 chs. I move to 1/4 cor.

Thence South.

On a random line, through sec. 3.

79.95 Fall 5 lks. East of the 1/4 cor. to secs. 3 and 10, which is a stone 4 x 14 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 0° 02' E.

On a true line along the meridional 1/4 sec. line, through sec. 3.

66.44 Set temp. stake for cor. No. 3 of this claim.

76.43 Set temp. stake for cor. No. 4 of this claim.

79.95 The 1/4 cor. to secs. 3 and 34, heretofore described.

4.

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<p>Chains</p>	<p>November 9, 1914.</p> <p>From cor. to secs. 3, 4, 33 and 34, heretofore described</p> <p>I run North</p> <p>On a random line bet. secs. 33 and 34.</p> <p>39.99 Fall 1 lk. east of the 1/4 cor. to secs. 33 and 34, which is a stone 6 x 14 x 3 ins. above ground, marked and witnessed as described by the Surveyor General. Therefore the bearing of this line is N. 0° 01' W., 39.99 chs.</p>
	<p>BOUNDARIES OF H. E. S. No. 284</p> <p>Beginning at cor. No. 1 and closing cor. on line bet. secs. 33 and 34.</p> <p>Set a limestone 27 x 10 x 7 ins., 17 ins. in the ground, over a small stone marked with a cross for cor. No. 1 and closing corner, marked C C on W. face, and 1 H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim, whence:</p> <p>A pine, 22 ins. dia., bears N. 66° 30' W., 58 lks. dist., blazed and scribed 1 H E S 284 + B T.</p> <p>A pine, 26 ins. dia., bears S. 63° 00' E., 47 lks. dist., blazed and scribed 1 H E S 284 + B T.</p>
<p>10.85</p>	<p>The cor. to secs. 3, 4, 33 and 34, heretofore described, bears S. 0° 01' E., 34 lks. dist.</p> <p>The 1/4 sec. cor. bet. secs. 33 and 34, heretofore described, bears N. 0° 01' W., 39.65 chs. dist.</p> <p>Lat. 35° 56' N., Long. 112° 04' 30" W., from General Land Office Map.</p> <p>Observed mag. decl: at 10h.00m.a.m., is 15° 36' E., which gives a mean mag. decl. of 15° 35' E. Thence S. 88° 15' E.</p> <p>Over open level land.</p> <p>To cor. No.2, and C.C. on line bet. secs. 3 and 34.</p> <p>Identical with cor. H-6 of the list survey, which is</p>

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Chains a stake 4 x 4 x 60 ins. marked and witnessed as described by the Forest Service. I destroy cor. H-6 and all witnesses thereto, and set a limestone 30 x 10 x 2 ins., 20 ins. in the ground, over a stone marked with a cross for cor. No. 2 and closing cor., marked C C on W. face and 2 - H E S 284 on side facing the claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim, whence:

A pine, 26 ins. dia., bears S. 20° 45' E.,
36 lks. dist., blazed and scribed
2 H E S 284 + B T.

A pine, 32 ins. dia., bears S. 72° 45' E.,
155 lks. dist., blazed and scribed
2 H E S 284 + B T.

The cor. of secs. 3, 4, 33 and 34, heretofore described, bears S. 89° 59' W., 10.84 chs. dist.
The 1/4 cor. to secs. 3 and 34, heretofore described, bears N. 89° 59' E., 29.07 chs. dist.

Thence S. 65° 02' E.
Over open level land.

32.00 List cor. H-7, which is a stake 4 x 5 x 60 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-7 and all witnesses thereto.

32.05 To cor. No. 3, on the meridional 1/4 sec. line through sec. 3.
Set a limestone 31 x 13 x 5 ins., 21 ins. in the ground, over a stone marked with a cross for cor. No. 3 of this survey, marked 3 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim, whence:

A pine, 25 ins. dia., bears S. 42° 06' E.,
95 lks. dist., blazed and scribed
3 H E S 284 + B T.

Chains - A pine, 10 ins. dia., bears S. 61° 23' W.,

77 lks. dist., blazed and scribed

3 H E S 284 + B T.

The 1/4 cor. to secs. 3 and 10, heretofore de-
scribed, bears S. 0° 02' W., 66.44 chs. dist.

The 1/4 cor. to secs. 3 and 34, heretofore de-
scribed, bears N. 0° 02' E., 13.51 chs. dist.

Thence N. 0° 02' E.

Over open level land, along the meridional 1/4 sec.
line through sec. 3.

9.99 To cor. No. 4.

Identical with cor. H-8 of the list survey, which is a
stake 4 x 4 x 60 ins., marked and witnessed as de-
scribed by the Forest Service. I destroy cor. H-8
and all witnesses thereto and set a limestone 25 x 11
x 4 ins., 15 ins. in the ground, over a stone marked
with a cross for cor. No. 4 of this survey, marked
4 - H E S 284 on side facing claim; and raise a mound
of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist.
within the claim, whence:

A pine, 18 ins. dia., bears S. 7° 40' E.,
122 lks. dist., blazed and scribed

4 H E S 284 + B T.

A pine, 22 ins. dia., bears S. 33° 40' W.,
166 lks. dist., blazed and scribed

4 H E S 284 + B T.

The 1/4 sec. cor. bet. secs. 3 and 34, heretofore
described, bears N. 0° 02' E., 3.52 chs. dist.

Thence N. 68° 52' W.

Over open level land.

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Chains
9.74

To cor. No. 5, and closing cor. on line bet. secs. 3 and 34.

Set a limestone 24 x 9 x 2 ins., 14 ins. in the ground, over a stone marked with a cross for cor. No. 5 and closing cor., marked C C on SE. face and 5 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within the claim, whence:

A pine, 19 ins. dia., bears S. 10° 42' E.,

114 lks. dist., blazed and scribed

5 H E S 284 + B T.

A pine, 26 ins. dia., bears S. 36° 20' W.,

132 lks. dist., blazed and scribed

5 H E S 284 + B T.

The 1/4 sec. cor. bet. secs. 3 and 34, hereto-

fore described, bears N. 89° 59' E., 9.09

chs. dist.

Cor. No. 2 of this survey bears S. 89° 59' W.,

19.98 chs. dist.

Cor. secs. 3, 4, 33 and 34, heretofore described,

bears S. 89° 59' W., 30.82 chs. dist.

Thence N. 68° 52' W.

Over open level land.

8.29 To cor. No. 6.

Identical with cor. H-9 of the list survey, which is a stake 4 x 4 x 60 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-9 and all witnesses thereto and set a limestone 28 x 11 x 4 ins., 18 ins. in the ground, over a stone marked with a cross for cor. No. 6 of this survey, marked

Chains 6 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within the claim, whence:

A pine, 21 ins. dia., bears S. 62° 30' W.,
180 lks. dist., blazed and scribed

6 H E S 284 + B T.

A pine, 36 ins. dia., bears N. 86° 18' E.,
9 lks. dist., blazed and scribed

6 H E S 284 + B T.

Thence N. 84° 35' W.

Over open level land.

20.00 Leave level, enter rolling land.

23.20 To cor. No. 7 and closing cor. on line bet. secs. 33 and 34.

Set a limestone 25 x 6 x 3 ins., 15 ins. in the ground, over a stone marked with a cross for cor.

No. 7 and closing cor., marked C C on E. face, and

7 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist.

within claim, whence:

A pine, 20 ins. dia., bears S. 20° 30' E., 80
lks. dist., blazed and scribed 7 H E S 284 + B T.

A pine, 23 ins. dia., bears S. 52° 30' E.,
64 lks. dist., blazed and scribed

7 H E S 284 + B T.

Cor. No. 1 of this survey, heretofore de-
scribed, bears S. 0° 01' E., 4.83 chs. dist.

Cor. to secs. 3, 4, 33 and 34, heretofore de-
scribed, bears S. 0° 01' E., 5.17 chs.

The 1/4 sec. cor. bet. secs. 33 and 34, hereto-
fore described, bears N. 0° 01' W., 34.82
chs. dist.

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Chains

Thence N. 84° 35' W.

Over open slightly rolling land.

5.97 To cor. No. 8.

Identical with cor. H-10 of the list survey, which is a stake 4 x 4 x 60 ins. marked and witnessed as described by the Forest Service. I destroy cor. H-10 and all witnesses thereto and set a limestone 24 x 7 x 2 ins., 14 ins. in the ground, over a stone marked with a cross for cor. No. 8 of the survey, marked 8 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim, whence:

A pine, 21 ins. dia., bears N. 52° 30' W.,

38 lks. dist., blazed and scribed

8 H E S 284 + B T.

A pine, 10 ins. dia., bears S. 20° 00' E.,

112 lks. dist., blazed and scribed

8 H E S 284 + B T.

Thence N. 19° 05' W.

Over open, slightly rolling land.

40.00 Leave rolling land, enter flat.

45.64 To cor. No. 9.

Identical with cor. H-11 of the list survey, which is a stake 4 x 4 x 60 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-11 and all witnesses thereto; and set a limestone 24 x 11 x 4 ins., 14 ins. in the ground, over a stone marked with a cross for cor. No. 9 of this survey, marked 9 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim, whence:

Chains

A pine, 29 ins. dia., bears N. 83° 40' W.,
298 lks. dist., blazed and scribed
9 H E S 284 + B T.

A pine, 30 ins. dia., bears S. 60° 13' W.,
179 lks. dist., blazed and scribed
9 H E S 284 + B T.

Thence N. 47° 25' W.

Over open level land.

23.20 Fence cor. bears W. 10 lks., from which fences bear
W. and S. 42° 30' E.

25.51 To cor. No. 10, on the meridional 1/4 sec. line through
sec. 33.

Set a limestone 25 x 11 x 3 ins., 15 ins. in the ground,
over a stone marked with a cross for cor. No. 10 of this
survey, marked 10 - H E S 284 on side facing claim; and
raise a mound of earth and stone, 2 ft. base, 1-1/2 ft.
high, 3-1/2 ft. dist. within the claim, whence:

A pine, 22 ins. dia., bears N. 33° 30' W.,
60 lks. dist., blazed and scribed
10 H E S 284 + B T.

A pine, 20 ins. dia., bears N. 38° 00' E.,
63 lks. dist., blazed and scribed.

10 H E S 284 + B T.

The 1/4 sec. cor. bet. secs. 28 and 33, hereto-
fore described, bears N. 0° 19' E., 14.23
chs. dist.

Cor. H-1 of the list survey, which is a stake
4 x 4 x 60 ins., marked and witnessed as

described by the Forest Service, bears N.

47° 25' W., 49 lks. dist. I destroy cor.

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STATE OF ARIZONA

Chains	H-1 and all witnesses thereto.
	<p>Thence S. 0° 19' W. Over open level land, along the meridional 1/4 sec. line through sec. 33.</p>
1.66	<p>Cross fence bearing E. and W., the cor. bears W. 20 lks. dist. Enter pasture, continue along E. side of fence, 20 lks. dist.</p>
19.50	<p>Forest Service telephone line, bears N. 32° 00' W. and S. 32° 00' E.</p>
22.15	<p>Cross fence bearing N. 60° 25' W. and S. 60° 25' E. Fence cor. bears N. 60° 25' W., 20 lks. dist. Leave pasture.</p>
22.20	<p>To cor. No. 11 on the meridional 1/4 sec. line through sec. 33. Set a limestone 28 x 6 x 5 ins., 18 ins. in the ground, over a stone marked with a cross for cor. No. 11 of this survey, marked 11 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim, whence: A pine, 19 ins. dia., bears N. 35° 00' E., 102 lks. dist., blazed and scribed 11 H E S 284 + B T. A pine, 17 ins. dia., bears N. 73° 42' E., 72 lks. dist., blazed and scribed 11 H E S 284 + B T. Cor. No. 2 of the list survey, which is a stake 4 x 4 x 60 ins., marked and witnessed as described by the Forest Service, bears N. 60° 25' W., 59 lks. dist., which I destroy and all witnesses thereto. The 1/4 sec. cor. bet. secs. 4 and 33, hereto-</p>

Chains	<p>fore described, bears S. 0° 19' W., 43.57 chs. dist.</p> <p>The 1/4 sec. cor. bet. secs. 28 and 33, hereto- fore described, bears N. 0° 19' E., 36.43 chs.</p> <hr/> <p>Thence S. 60° 25' E.</p> <p>Over open level land, along S. side of fence, 10 lks. dist.</p> <p>2.00 Forest Service telephone line, bears N. 32° 00' W. and S. 32° 00' E.</p> <p>6.00 Cor. of cutoff fence, bears NE. 10 lks. dist., from which fence bears NE.</p> <p>15.41 To cor. No. 12.</p> <p>Identical with cor. H-3 of the list survey, which is a stake 4 x 4 x 60 ins., marked and witnessed as de- scribed by the Forest Service. I destroy cor. H-3 and all witnesses thereto, and set a limestone 26 x 5 x 12 ins., 16 ins. in the ground, over a stone mark- ed with a cross for cor. No. 12 of this survey, marked 12 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base; 1-1/2 ft. high, 3-1/2 ft. dist. within the claim, whence:</p> <p style="padding-left: 40px;">A pine, 36 ins. dia., bears S. 49° 00' W., 55 lks. dist., blazed and scribed 12 H E S 284 + B T.</p> <p style="padding-left: 40px;">A pine, 34 ins. dia., bears S. 13° 30' W., 122 lks. dist., blazed and scribed 12 H E S 284 + B T.</p> <p style="padding-left: 40px;">Fence cor. bears N. 1° 00' E., 4 lks. dist., from which fences bear N. 33° 30' W. and N. 57° 00' E.</p> <hr/>
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Chains Thence S. 19° 21' E.
Over open level land.
18.00 Leave level, enter rolling land.
38.48 To cor. No. 13 and closing cor. on line bet. secs. 4
and 33.
Set a limestone 24 x 11 x 9 ins., 14 ins. in the ground,
over a stone marked with a cross for closing cor. and
cor. No. 13 of this survey, marked C C on NW. face,
and 13 - H E S 284 on side facing claim; and raise a
mound of earth 2 ft. base, 1-1/2 ft. high, 3-1/2 ft.
dist. within the claim, whence:

A pine, 22 ins. dia., bears N. 47° 00' W.,

141 lks. dist., blazed and scribed

13 H E S 284 + B T.

A pine, 35 ins. dia., bears S. 41° 00' W.,

188 lks. dist., blazed and scribed

13 H E S 284 + B T.

The 1/4 sec. cor. bet. secs. 4 and 33, hereto-

fore described, bears N. 89° 55' W., 26.41

chs. dist.

Cor. to secs. 3, 4, 33 and 34, heretofore de-

scribed, bears N. 89° 55' E., 13.59 chs.

November 10, 1914.

Thence S. 19° 21' E.

Over open rolling land

5.56 To cor. No. 14.

Identical with cor. H-4 of the list survey, which is

a stake 4 x 4 x 60 ins., marked and witnessed as de-

scribed by the Forest Service, which I destroy and all

witnesses thereto, and set a limestone 36 x 9 x 4 ins.,

26 ins. in the ground, over a stone marked with a cross

Chains

for cor. No. 14 of this survey, marked 14 - H E S 284 on side facing claim; and raise a mound of earth 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim,

whence:

A pine, 35 ins. dia., bears N. 76° 00' E.,

13 lks. dist., blazed and scribed

14 H E S 284 + B T.

A pine, 31 ins. dia., bears N. 63° 00' W.,

98 lks. dist., blazed and scribed

14 H E S 284 + B T.

Thence N. 61° 47' E.

Over open rolling land.

11.18 To cor. No. 15, and closing cor. on line bet. secs. 4 and 33.

Set a limestone 24 x 8 x 7 ins., 14 ins. in the ground, over a stone marked with a cross for closing cor. and cor. No. 15 of this survey, marked C C on SW. face and 15 - H E S 284 on side facing claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist.

within claim, whence:

A pine, 17 ins. dia., bears S. 23° 42' E.,

60 lks. dist., blazed and scribed

15 H E S 284 + B T.

A pine, 23 ins. dia., bears S. 52° 00' W.,

90 lks. dist., blazed and scribed

15 H E S 284 + B T.

Cor. of secs. 3, 4, 33 and 34, heretofore described, bears N. 89° 55' E., 1.90 chs. dist.

1/4 sec. cor. bet. secs. 4 and 33, heretofore described, bears S. 89° 55' W., 38.10 chs.

Cor. No. 13 of this survey bears S. 89° 55' W.,

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STATE OF ARIZONA

Chains 11.69 chs. dist.

Thence N. 61° 47' E.
 Over open rolling land.
 0.82 To cor., No. 16.
 Identical with cor. H-5 of the list survey, which is
 a stake 4 x 4 x 60 ins., marked and witnessed as de-
 scribed by the Forest Service, which I destroy and all
 witnesses thereto, and set a limestone 24 x 15 x 7 ins.,
 14 ins. in the ground, over a stone marked with a cross
 for cor. No. 16 of this survey, marked 16 - H E S 284
 on side facing claim; and raise a mound of stone 2 ft.
 base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim,
 whence;

A pine, 26 ins. dia., bears N. 3° 15' E.,
 52 lks. dist., blazed and scribed
 16 H E S 284 + B T.
 A pine, 28 ins. dia., bears S. 11° 45' E.,
 84 lks. dist., blazed and scribed
 16 H E S. 284 + B T.

Thence S. 88° 15' E.
 Over open rolling land.
 1.18 To cor. No. 1, and place of beginning.

AREA

Area in sec. 3, T. 29 N.,	-----	18.05 acres
Area in sec. 4, T. 29 N.,	-----	3.07 acres
Area in sec. 33, T. 30 N.	-----	75.64 acres
Area in sec. 34, T. 30 N.	-----	<u>10.40</u> acres
Total Area	-----	107.16 acres

Chains

IMPROVEMENTS

The improvements made upon this claim, and belonging to the claimant herein, consist of the following:

A two-room frame house, 24 x 12 ft., with a porch 5 x 24 ft., course of long sides NW. and SE., the SE. cor. of which bears from cor. No. 11, N. 29° 42' E., 7.80 chs. dist. Value ----- \$150.00

An earth tank for storing surface water, 50 x 130 ft., course of long sides N. and S., the center of which bears from cor. No. 11, N. 34° 30' E., 9.00 chs. dist. Value ----- \$ 50.00

1-1/2 miles of fencing. Value ----- \$135.00

Total value of improvements ----- \$335.00

GENERAL DESCRIPTION

The claim is situated in Coconino Wash, sloping to the NW. There is a light stand of yellow pine in the SE. portion and also along the edges of the claim, the balance being open grass land. The only water available is surface, which is caught in a tank, being sufficient for domestic purposes and to water a few head of stock, and a small garden.

The soil is a light sandy loam, running to a mixture of loam and clay, with occasional outcroppings of limestone at the edges.

I saw no evidence of mineral deposits on the claim. Grand Canyon post office and railroad station lies approximately 11 miles distant in a northwesterly direction and is reached by a wagon road.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. Entry No. 013293, Charles Kirsch, described by legal subdivisions, joins this claim along a part of line 10-11. There are no other adjoining claims known.

TRAVERSE - Sec. 3.

Cor.	Course	Dist.	N	S	E	W	
2-3	S. 65° 02' E.	32.05		13.53	29.06		
3-4	N. 0° 02' E.	9.99	9.99		0.01		
4-5	N. 68° 52' W.	9.74	3.51			9.08	
5-2	S. 89° 59' W.	19.98		0.01		19.98	
			71.76	13.50	13.54	29.07	29.06
				13.50	29.06		

Error in Lat. and Dep. .04 .01

Error of closure, 1:1740.

Sec. 4.

Cor.	Course	Dist.	N	S	E	W	
13-14	S. 19° 21' E.	5.56		5.24	1.84		
14-15	N. 61° 47' E.	11.18	5.28		9.85		
15-13	S. 89° 55' W.	11.69		0.02		11.69	
			28.43	5.28	5.26	11.69	11.69
				5.26	11.69		

Error in Lat. and Dep. .02 .00

Error of closure, 1:1422.

Sec. 33.

Cor.	Course	Dist.	N	S	E	W	
11-12	S. 60° 25' E.	15.41		7.61	13.40		
12-13	S. 19° 21' E.	38.48		36.31	12.75		
13-15	N. 89° 55' E.	11.69	0.02		11.69		
15-16	N. 61° 47' E.	0.82	0.39		0.72		
16-1	S. 88° 15' E.	1.18		0.04	1.18		
1-7	N. 0° 01' W.	4.83	4.83			0.00	
7-8	N. 84° 35' W.	5.97	0.56			5.94	
8-9	N. 19° 05' W.	45.64	43.13			14.92	
9-10	N. 47° 25' W.	25.51	17.26			18.78	
10-11	S. 0° 19' W.	22.20		22.21		0.12	
			171.73	66.19	66.17	39.74	39.76
				66.17	66.17	39.74	39.74

Error in Lat. and Dep. 02 .01 .02

Error of closure, 1:6072

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

Sec. 34.

Cor.	Course	Dist.	N	S	E	W
1-2	S. 88° 15' E.	10.85		0.33	10.84	
2-5	N. 89° 59' E.	19.98	0.01		19.98	
5-6	N. 68° 52' W.	8.29	2.99			7.73
6-7	N. 84° 35' W.	23.20	2.18			23.09
7-1	S. 0° 01' E.	4.83		4.83	0.00	
		67.15	5.18	5.16	30.82	30.82
			5.16		30.82	

Error in Lat. and Dep. .02 .00

Error of closure 1:3357.

Survey completed November 10, 1914.

L. J. May
Forest Ranger

Cor.	Course	Dist.	N	S	E	W
1-11	S. 80° 21' E.	13.41				
11-12	S. 79° 21' E.	38.48				
12-13	N. 89° 59' E.	11.89	0.02			
13-14	N. 81° 47' E.	0.32				
14-15	S. 88° 15' E.	1.18				
15-16	N. 0° 01' W.	4.88				
16-17	N. 84° 35' W.	38.0				
17-18	N. 79° 52' W.	43.13				
18-19	N. 47° 23' W.	17.38				
19-20	S. 0° 19' W.	32.30				
20-21	S. 71° 38' W.	17.78				
21-22	S. 71° 38' W.	66.14				
22-23	S. 71° 38' W.	66.14				

Error in Lat. and Dep. .02 .00

Error of closure 1:5023

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA.

Chains

AZIMUTH COMPUTATION.

(1)

Date of obs. November 8, 1914, H E S 284.

Lat. $35^{\circ} 56' N.$, Long. $112^{\circ} 04' 30'' W.$, by account from a
land office map.

l.m.t. of obs. = 10h. 20m. a.m.

Observed Altitude = $34^{\circ} 06' 10''$

Refraction Correction = $00^{\circ} 01' 25''$ ✓

True Altitude = $34^{\circ} 04' 45''$ ✓

Decl. of Sun = $S. 16^{\circ} 24' 46''$ ✓

Hourly change in decl. = $- 44.02''$ ✓

Total change in 5.85 hrs. = $4' 17''$ ✓

Decl. of Sun at time of obs. = $S. 16^{\circ} 29' 03''$ ✓

Horizontal Angle = $156^{\circ} 04' 50''$.

Cos. A. = $\frac{\sin. 16^{\circ} 29' 03''}{\cos. 35^{\circ} 56' 00'' \times \cos. 34^{\circ} 04' 45''}$

($\tan 35^{\circ} 56' 00'' \times \tan. 34^{\circ} 04' 45''$)

log. sin. $16^{\circ} 29' 03''$ = 9.4529364 ✓

9.8264931

9.6264433 = log. .42310 ✓

log. cos. $35^{\circ} 56' 00''$ = 9.9083243 ✓

log. cos. $34^{\circ} 04' 45''$ = 9.9181688 ✓

9.8264931 ✓

log. tan. $35^{\circ} 56' 00''$ = 9.8601980 ✓

log. tan. $34^{\circ} 04' 45''$ = 9.8302811 ✓

9.6904791 = log. .49032 ✓

$-.49032 - .42310 = -.91342$ = nat. cos. of the bearing of
the Sun which is $S. 24^{\circ} 01' E.$, and the bearing of refer-
ence mark is $N. 0^{\circ} 05' 50'' W.$ ✓

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HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

AZIMUTH COMPUTATION

(2)

Date of obs. November 8, 1914, H E S 284

Lat. $35^{\circ} 56' N.$, Long. $112^{\circ} 04' 30'' W.$ by account from a
land office map.

l.m.t. of obs. = 10h. 30m. a.m.

Observed Altitude = $34^{\circ} 44' 50''$

Refraction Correction = $01' 22''$

True Altitude = $34^{\circ} 43' 28''$

Decl. of Sun = $S. 16^{\circ} 24' 46''$

Hourly change in decl. = $- 44.02''$

Total change in 6.01 hrs. = $-4' 24''$

Decl. of Sun at time of obs. = $S. 16^{\circ} 29' 10''$

Horizontal Angle = $158^{\circ} 21'$.

Cos. A. = $\frac{\cos. 16^{\circ} 29' 10''}{\cos. 35^{\circ} 56' 00'' \times \cos. 34^{\circ} 43' 28''}$

($\tan. 35^{\circ} 56' 00'' \times \tan. 34^{\circ} 43' 28''$)

log. sin. $16^{\circ} 29' 10''$ = 9.4529862

9.8231438

9.6298424 = log. $-.42643$

log. cos. $35^{\circ} 56' 00''$ = 9.9083243

log. cos. $34^{\circ} 43' 28''$ = 9.9148195

9.8231438

log. tan. $35^{\circ} 56' 00''$ = 9.8601980

log. tan. $34^{\circ} 43' 28''$ = 9.8407734

9.7009714 = log. $-.50231$

$-.50231 - .42643 = -.92874$ = nat. cos. of the bearing of
the sun, which is $S. 21^{\circ} 45' 38'' E.$, and the bearing of
reference mark is $N. 0^{\circ} 06' 38'' W.$, the mean of these obs.
is $N. 0^{\circ} 06' 14'' W.$

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

(S)

June 10, 1900, to June 10, 1901

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DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. I. O.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 284, STATE OF ARIZONA, TUSAYAN.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 3.									
2-3	S. 65° 02' E.	52.05	10 60 9 99	13 53	29 06	5 5	29 05	581 10	392 76
3-4	N. 0° 02' E.	9.99	3 51	0 01	0 01		58 11	172 62	
4-5	N. 68° 52' W.	9.74					49 04		
5-2	S. 89° 59' W.	19.98		0 01			19 98		
		71.76	13 50	13 54	29 07			753 72	392 76
			13 53	13 52	29 06			392 76	
Closing error	1.1740							360 96	
								18 05 acres.	
Sec. 4.									
13-14	S. 19° 21' E.	5.56		5 24	1 84		1 84		9 66
14-15	N. 61° 47' E.	11.18	5 28		9 85		13 53	71 30	
15-13	S. 89° 55' W.	11.69		0 02			11 69		0 23
		28.43	5 28	5 26	11 69			71 30	9 89
			5 27	5 27	11 69			9 89	
								61 41	
Closing error	1.1422							3 07 acres.	

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REQUIREMENTS FOR THE STATE OF NEW YORK

O. I. D. and all other persons who are not citizens of the United States shall not be eligible for election to any office of the State or of any county or city or village or town or school district or other political subdivision of the State.

Every candidate for any office of the State or of any county or city or village or town or school district or other political subdivision of the State shall file with the State Board of Elections a declaration of his or her intention to accept the nomination and to take the oath of office.

Section 10-113

COUNTY	TOWNSHIP	DISTRICT	RESIDENTS			REGISTERED			VOTES
			Male	Female	Total	Male	Female	Total	
Albany	Albany	1	120	110	230	110	110	220	
Albany	Albany	2	130	120	250	120	120	240	
			140	130	270	130	130	260	
Albany	Albany	3	150	140	290	140	140	280	
			160	150	310	150	150	300	
Albany	Albany	4	170	160	330	160	160	320	
			180	170	350	170	170	340	
Albany	Albany	5	190	180	370	180	180	360	
			200	190	390	190	190	380	
Albany	Albany	6	210	200	410	200	200	400	
			220	210	430	210	210	420	
Albany	Albany	7	230	220	450	220	220	440	
			240	230	470	230	230	460	
Albany	Albany	8	250	240	490	240	240	480	
			260	250	510	250	250	500	
Albany	Albany	9	270	260	530	260	260	520	
			280	270	550	270	270	540	
Albany	Albany	10	290	280	570	280	280	560	
			300	290	590	290	290	580	
Albany	Albany	11	310	300	610	300	300	600	
			320	310	630	310	310	620	
Albany	Albany	12	330	320	650	320	320	640	
			340	330	670	330	330	660	
Albany	Albany	13	350	340	690	340	340	680	
			360	350	710	350	350	700	
Albany	Albany	14	370	360	730	360	360	720	
			380	370	750	370	370	740	
Albany	Albany	15	390	380	770	380	380	760	
			400	390	790	390	390	780	
Albany	Albany	16	410	400	810	400	400	800	
			420	410	830	410	410	820	
Albany	Albany	17	430	420	850	420	420	840	
			440	430	870	430	430	860	
Albany	Albany	18	450	440	890	440	440	880	
			460	450	910	450	450	900	
Albany	Albany	19	470	460	930	460	460	920	
			480	470	950	470	470	940	
Albany	Albany	20	490	480	970	480	480	960	
			500	490	990	490	490	980	

DIRECTIONS.—1. Carry out calculation to two decimals only.
 2. In balancing Latitudes and Departures do not obliterate or change the original figures. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.
 3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.
 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 284, STATE OF ARIZONA, Tusayan.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 33									
11-12	S. 60° 25' E.	15.41		7 61	13 40	13 40		101 97	
12-13	S. 19° 21' E.	38.48		36 31	12 75	39 56		1436 82	
13-15	N. 89° 55' E.	11.69	0 02		11 69	64 01	1 28		
15-16	N. 61° 47' E.	0.82	0 39		0 72	76 42	29 80		
16-1	S. 88° 15' E.	1.18		0 04	1 18	78 32		3 13	
1-7	N. 0° 01' W.	4.83	4 83			79 50	383 99		
7-8	N. 84° 35' W.	5.97	0 56		5 94	73 56	41 19		
8-9	N. 19° 05' W.	45.64	43 13		14 92	52 71	2272 86		
9-10	N. 47° 25' W.	25.51	17 26		18 78	19 02	328 29		
10-11	S. 0° 19' W.	22.20		22 21	0 12	0 12		2 66	
		171.73	66 19	66 17	39 74	32 76	3057 41	1544 58	
			66 18	66 18	39 75	39 75	1544 58		
							1512 83		
							75 64	Acres.	
		Closing error 1:6072.							

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EMH

DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.

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4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 284, STATE OF ARIZONA, TUSAYAN.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 34.									
1-2	S. 88° 15' E.	10.85		0 33	10 84		10 84		3 69 ✓
2-5	N. 89° 59' E.	19.98	0 01		19 98		41 66	0 42 ✓	
5-6	N. 68° 52' W.	8.29	2 99			7 73	53 91	161 19 ✓	
6-7	N. 84° 35' W.	23.20	2 18			23 09	23 09	50 11 ✓	
7-1	S. 0° 01' E.	4.83		4 83	0 00		0 00		0 00
		67.15	5 18	5 16	30 82	30 82		211 72	3 69
			5 17	5 17	30 82	30 82		3 69	
								208 03	
	Closing error 1:3357							10 40 acres.	

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 16, 1918.

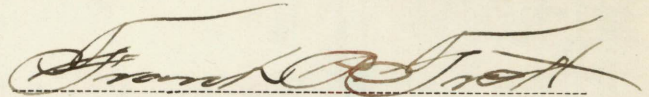
The foregoing field notes of Homestead Entry Survey No.

284

executed by **L. C. Way, Forest Ranger**

[Forest Service Title.]

under his special instructions, dated **October 7**, 19**14**, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.



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.