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JUN 2 - 1916

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUN 5 - 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 398

SITUATED IN THE TUSAYAN NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 30 , un surveyed, Township 30 N. , Range 5 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **Ralph J. Berry,**
Residence **Grand Canyon, Arizona.**
Application No. **232** ✓ , dated **April 1** , 1912 ✓
List No. **3-2013** ✓ , dated **November 13** , 1912 ✓

Applicant for survey **Ralph J. Berry,**
Residence **Grand Canyon, Arizona**
H. E. No. **021636** ✓ , dated **March 18** , 1913 ✓
Land District **Phoenix, Arizona**

Survey executed by **L. C. Way,** **Forest Ranger**
[Forest Service Title.]
Under special instructions dated **August 10** , 1915 ✓
Survey commenced **November 1** , 1915
Survey completed **November 3** , 1915
Under Acts of **June 11, 1906 and March 4, 1915.** ✓

1

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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. **398**, 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 incon-
venient to appear before an
officer to administer oaths
to Assistants; hence, they
were taken by the Surveyor.

[Signature] Chainman
[Signature] Chainman

Subscribed and sworn to before me this **13th** day of
December, 1915

[Signature]

Forest Ranger

OATH OF SURVEYOR

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

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **Arizona**, dated
August 10, 1915, 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 3-2013, dated November 13, 1912, and a tract of
land upon the application of **Ralph J. Berry,**

Application, No. **232**, dated **April 1**, 192, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **398**,
situated within the **TUSAYAN** National Forest, in
unsurveyed Section 30, Township **30 N.**, Range **5 E.**, and
---surveyed Section ---, Township **---**, Range **---**,

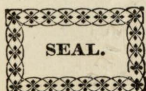
of the **G. and S. R. B. and** meridian, **Arizona**, and the
related retracements and resurveys and section subdivisions, which are
represented in the following field notes as having been surveyed by me;
and I further solemnly swear that all the corners of said survey have been
established and perpetuated 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.

[Signature]

Forest Ranger
[Forest Service Title.]

Subscribed and sworn to before me this _____ day of

13th day of December, 1915.



8-2349

[Signature]

Notary Public

My Commission Expires April 8th, 1918,

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Ralph J. Berry; Application No. 232, dated April 1, 1912; List No. 3-2013, dated November 13, 1912; H. E. No. 021636, made in the Phoenix Land Office by Ralph J. Berry on March 18, 1913.

Also a tract of unlisted land adjoining on the NE. was included in this survey. The land was agricultural in character, was desired by the entryman, and will be listed as a basis for amendment of his entry No. 021636.

Surveyed under special instructions from the Surveyor General for Arizona, dated August 10, 1915, and designated as Homestead Entry Survey No. 398.

Situated in what will probably be, when surveyed, sec. 30, T. 30 N., R. 5 E., Gila and Salt River Base and Meridian, within the Tusayan National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and March 4, 1915.

Survey commenced November 1, 1915 and executed with a W. and L. E. Gurley light mountain transit equipped with a Burt solar attachment.

I test the adjustments of the transit and make the necessary corrections.

All measurements were made with a 66 ft. Surveyors chain which I test by comparison with 66 ft. mark on 100 ft. Surveyor's steel tape.

November 1, 1915.

At 5h. 33m. p.m., l.m.t., I observe Polaris in accordance with instructions.

Lat. 35° 58' N. Long. 111° 55' W.

Greenwich m.t. U.C. Polaris, November 1, 1915,	10h. 49.9m.
Correction for Long.	1.2m.
l.m.t. U.C. Polaris, November 1, 1915,	10h. 48.7m.
l.m.t. obsn., November 1, 1915,	5h. 33.0m.
Hour angle and time argument,	5h. 15.7m.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains Azimuth of Polaris, 1° 23' E.
 I turn off 1° 23' to West and mark the line thus deter-
 mined on a stake set firmly in the ground 5.00 chs.
 North of my station.

November 2, 1915.

At 4h. 15m. a.m., l.m.t., at same station, I observe
 Polaris at Western elongation and mark the line thus
 determined on a stake set firmly in the ground 5.00
 chs. North of my station. At 7h. 00m., I turn off
 1° 24' 30" to the East, which defines a meridian that
 agrees with the one previously determined.

Beginning at the accepted 1/4 cor. bet. secs. 25 and 30,
 T. 30 N., Rs. 4 and 5 E., a limestone 8 x 12 x 10 ins.
 above ground, marked and witnessed as described by the
 Surveyor General.

Thence North.

On a random line bet. secs. 25 and 30.

40.06 Fall 3-1/2 lks. West of cor. common to secs. 19, 24, 25
 and 30, a limestone 7 x 9 x 5 ins. above ground, marked
 and witnessed as described by the Surveyor General.

Return course S. 0° 03' W., 40.06 chs.

Thence South.

On random line bet. secs. 25 and 30.

40.06 Fall 2-1/2 lks. East of cor. common to secs. 25, 30, 31
 and 36, a sandstone 13 x 8 x 5 ins. above ground, marked
 and witnessed as described by the Surveyor General.

Return course N. 0° 02' E., 40.06 chs.

November 2, 1915.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

November 3, 1915.

Beginning at cor. No. 1.

Identical with 1/4 cor. bet. secs. 25 and 30, heretofore described. I mark a cross on top for cor. No. 1 of this survey, and alongside set a sandstone 23 x 11 x 8 ins., 11 ins. in the ground, over a small stone marked with a cross, chiseled 1 - H E S 398 on East face; and raise a mound of earth 4 ft. base, 2 ft. high within claim, whence:

A yellow pine, 12 ins. dia., blazed and scribed 1 H E S 398 + B T, bears N. 85° 45' W., 90 lks.

A forked pinon, 9 ins. dia., blazed and scribed 1 H E S 398 + B T, bears N. 70° 31' E., 111 lks.

Note: A larger stone was not available for corner. Lat. 35° 58' N. Long. 111° 55' W., from special instructions of the Surveyor General.

Mag. Va. at 8:00 a.m., 15° 34' E. Mean Mag. decl. 15° 31' E.

Thence N. 0° 03' E.

15.00 To cor. No. 2, and closing corner on line bet. secs. 25 and 30.

Identical with cor. H-6 of the list survey, a pine post 4 x 4 x 36 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point set a sandstone 18 x 11 x 6 ins., 10 ins. in the ground, over a small stone marked with a cross, chiseled + at the point and 2 - H E S 398 - C C on East face; dig pits 24 x 18 x 12 ins. crosswise on line North and South 3 ft. dist. and pit 24 x 24 x 12 ins. East 7 ft. dist.; and raise mound of earth 4 ft. base, 3 ft. high, East of cor.,

Chains

whence:

not necessary

A juniper, 24 ins. dia., blazed and scribed
2 H E S 398 C C + B T, bears S. 86° 46' W.,
133 lks.

A pinon, 12 ins. dia., blazed and scribed
2 H E S 398 C C + B T, bears S. 72° 01' E.,
76 lks.

1/4 cor. bet. secs. 25 and 30, also cor. No.
1 of this survey, heretofore described,
bears S. 0° 03' W., 15.00 chs.

Cor. to secs. 19, 24, 25 and 30, heretofore
described, bears N. 0° 03' E., 25.06 chs.

Note: A larger stone was not available for cor.

Thence East.

Over level ground, fence on line:

20.03 Cor. No. 5 of list survey, a pine post 4 x 4 x 36 ins.
above ground, marked and witnessed as described by the
Forest Service. I destroy all trace of this list cor.
Leave listed land.

25.00 To cor. No. 3.
Set a sandstone 18 x 12 x 5 ins., 13 ins. in the ground,
over a small stone marked with a cross, chiseled + at
the point and 3 - H E S 398 on SW. face; and raise a
mound of stone 4 ft. base, 3 ft. high within claim,
whence:

A pinon, 12 ins. dia., blazed and scribed
3 H E S 398 + B T, bears N. 8° 39' E.,
5 lks.

A pinon, 11 ins. dia., blazed and scribed
3 H E S 398 + B T, bears S. 79° 08' W.,
57 lks.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

Note: A larger stone was not available for cor.

Thence South.

Over level ground.

10.00 Cor. of fence. Fence bears South and West. Also cor.

H-3 of list survey, a pine post 4 x 4 x 36 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Cor. H-4 of list survey, a pine stake 4 x 4 x

36 ins. above ground, marked and witnessed

as described by the Forest Service, bears

West, 5.00 chs. I destroy all trace of this

list cor.

Enter listed land.

13.00 Descend along East slope 15 ft.

15.00 Level ground.

20.00 Cor. No. 4.

Identical with cor. H-2 of the list survey, a pine post

4 x 4 x 36 ins. above ground, marked and witnessed as

described by the Forest Service. I destroy all trace

of this list cor. and at this point set a sandstone

21 x 10 x 5 ins., 12 ins. in the ground, over a small

stone marked with a cross; chiseled + at the point and

4 - H E S 398 on NW. face; and raise a mound of earth

4 ft. base, 2 ft. high within claim, whence:

A yellow pine, 24 ins. dia., blazed and scribed

4 H E S 398 + B T, bears S. 81° 11' E.,

57 lks.

A yellow pine, 7 ins. dia., blazed and scribed

4 H E S 398 + B T, bears S. 19° 30' W.,

70 lks.

Note: A larger stone was not available for cor.

Chains	Thence West. Over level ground.
0.07	Fence, bears South and West.
24.98	Cor. No. 5 and closing cor. on line bet. secs. 25 and 30. Identical with cor. H-1 of the list survey, a pine post 4 x 4 x 36 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point set a sandstone 20 x 9 x 7 ins., 12 ins. in the ground, over a small stone marked with a cross, chiseled + at the point and 5 - H E S 398 on NE. face, C C on East face; and dig pits 24 x 18 x 12 ins. crosswise on line N. and S. 3 ft. dist. and pit 24 x 24 x 12 ins. East 7 ft. dist. East of cor.; and raise a mound of earth 4 ft. base, 3 ft. high East of cor., whence: A yellow pine, 22 ins. dia., blazed and scribed 5 H E S 398 C C + B T, bears N. 33° 48' W., 94 lks. A yellow pine, 20 ins. dia., blazed and scribed 5 H E S 398 C C + B T, bears N. 88° 02' W., 193 lks. Cor. common to secs. 25, 30, 31 and 36, heretofore described, bears S. 0° 02' W., 35.06 chs. 1/4 cor. bet. secs. 25 and 30, heretofore described, bears N. 0° 02' E., 5.00 chs. Note: A larger stone was not available for cor.

5.00	Thence N. 0° 02' E. Over level ground on line bet. secs. 25 and 30. To cor. No. 1, the place of beginning.
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AREA

Listed Area - - - - -	44.99 acres
Unlisted Area - - - - -	4.99 acres
Total Area - - - - -	49.98 acres.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

IMPROVEMENTS

The improvements made upon this claim, consist of:

3/4 miles of fence. Value ----- \$75.00

The remainder of the improvements are located upon the legal subdivision portion of this claim in sec. 25, T. 30 N., R. 4 E., which adjoins this survey on the West.

DESCRIPTION

This claim lies in what is known as the Upper Coconino Basin, approximately 4 miles southeasterly from the Grand View Hotel.

The land is very level, having a gentle slope to the east. The soil is a rich clay loam of apparent great depth, except about two acres in the northeast corner which is very rocky.

Good crops of rye, oats, corn, and garden truck were raised on the part of this claim in sec. 25, this season.

There are a few scattering pine, pinon and juniper trees upon this claim, but no timber of commercial value.

Water for domestic use and stock is obtained from surface tanks located on portion of claim in sec. 25, T. 30 N., R. 4 E.

This is not reported to be a mineralized section and I saw no indications of mineral upon the ground.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. This survey is joined on the West by the legal subdivision portion of claimant's entry located in sec. 25, T. 30 N., R. 4 E., embracing the N/2 N/2 NE/4 SE/4, S/2 SE/4 NE/4, S/2 N/2 SE/4 NE/4, N/2 NE/4 NW/4 SE/4, NE/4 NW/4 NW/4 SE/4, S/2 SW/4 NE/4, S/2 N/2 SW/4 NE/4, N/2 SE/4 SE/4 NW/4, NE/4

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Chains SW/4 SE/4 NW/4.

There are no other adjoining claims known.

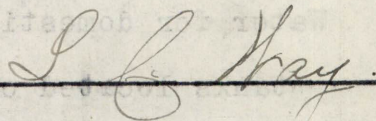
Grand Canyon, the nearest post office and railroad station, is approximately 17 miles in a westerly direction, and is reached by good wagon roads.

TRAVERSE

Course	Dist.	N	S	E	W
N. 0° 03' E.	15.00	15.00		0.01	
East	25.00			25.00	
South	20.00		20.00		
West	24.98				24.98
N. 0° 02' E.	5.00	5.00			
	89.98	20.00	20.00	25.01	24.98
			20.00	24.98	
Error in Lat. and Dep.			.00	.03	

Closing error 1:2999.

Survey completed November 3, 1915.



Forest Ranger.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. This survey is joined on the West by the local subdivision portion of claimant's entry located in sec. 23, T. 30 N., R. 4 W., enclosing the 1/2 NE/4 SW/4, 1/2 SW/4 NW/4, 1/2 SW/4 SE/4, 1/2 NE/4 NW/4, 1/2 NE/4 SE/4, 1/2 SW/4 NW/4, 1/2 SW/4 SE/4, 1/2 NE/4 NW/4, 1/2 SW/4 SE/4.

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.
 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. 398, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	N. 0° 02' E.	15.00	15 00		0 01		0 01	0 15		
2-3	East	25.00			24 99 25 00		25 01			
3-4	South	20.00		20 00		24 98	49 99		999 80	
4-5	West	24.98				24 98	24 99			
5-1	N. 0° 02' E.	5.00	5 00				0 00			
		89.98	20 00	20 00	25 01	24 98		0 15	999 80	
			20 00	20 00	25 00	25 00			0 15	
									999 65	
									49 982 acres.	
	Closing error 1:2222									

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EMH

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, August 3, 1917.

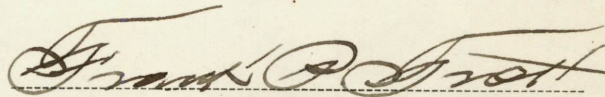
The foregoing field notes of Homestead Entry Survey No.

398

executed by L. C. Way, Forest Ranger,

[Forest Service Title.]

under his special instructions, dated August 10, 1915, 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.