

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUN 2 1915

MAY 26 1916

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 159

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 1, unsurveyed, Township 1 S., Range 15 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service
Under special instructions dated January 17, 1914
Survey commenced October 16, 1914
Survey completed October 16, 1914
Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing M. B. Morse and Anthony B. Tocco,

Residence Globe, Arizona

Application No. 136, dated February 19, 1910

Application No. 266, dated March 18, 1914

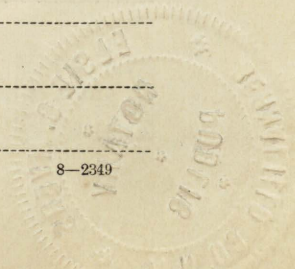
List No. 3-498, dated April 23, 1910

Applicant for survey Anthony B. Tocco,

Residence Globe, Arizona.

H. E. No. 011670, dated July 20, 1910

Land district Phoenix, Arizona.



OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,
Surveyor-Forest Service in surveying all those
parts or portions of Homestead Entry Survey No. 159 in
unsurveyed Section 1, Township 1 S., Range 15 E.,
--surveyed Section - - -, Township - - -, Range - - -,
- - - - -

of the G. & S.R.B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey 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 fur-
nished 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 Sur-
veyor.

Charles D. Hodson, Chairman.

Edward Anderson, Chairman.

Subscribed and sworn to before me this 18th day of
October, 1914.

Walter G. Purley
Surveyor-Forest Service

I, Walter G. Turley, Surveyor-Forest Service, do solemnly
swear that, in strict conformity with the special instructions
of the United States Surveyor General for Arizona, dated Jan-
uary 17, 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 No. 3-498, dated April 23, 1910,
and a tract of land upon the application of Anthony B. Tocco,
Application No. 266, dated March 18, 1914, for listing and pa-
tent under the Act of June 11, 1906, the same to be known as
Homestead Entry Survey No. 159, situated within the Crook Na-
tional Forest, in
unsurveyed Section 1, Township 1 S., Range 15 E.,
of the G. & S.R.B. & Meridian, Arizona, and the related retrac-
ements and resurveys and section subdivisions, which are repre-
sented 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 accord-
ance 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. Purley
Surveyor-Forest Service

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

Elsie C. Myers
Notary Public



CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, M. B. Morse; Application No. 136, dated February 19, 1910; List No. 13-498, dated April 23, 1910; H. E. No. 011670, made at Phoenix, Arizona by Anthony B. Tocco, dated July 20, 1910.

Also a tract of unlisted land adjoining claimant's entry was included in this survey. The land is agricultural in character, was desired by the entryman and will be listed as a basis for amendment of his entry No. 011670. Application No. 266, dated March 18, 1914.

Surveyed under special instructions from the Surveyor General for Arizona dated January 17, 1914, and designated as Homestead Entry Survey No. 159.

Situated in what will probably be, when surveyed, Sec. 1, T. 1 S., R. 15 E., Gila and Salt River Base and Meridian, within the Crook National Forest, Arizona.

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

Survey commenced October 16, 1914, and executed with a W. and L. E. Gurley light mountain transit No. 12953, with vertical circle and Burt solar attachment; the horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the verniers of the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment; and the stadia interval was adjusted to read 1:132.

All distances are horizontal and were reduced from measurements made on the slope with a 400-link steel tape

Chains and a Philadelphia stadia rod graduated to feet and hundredths, with target verniers reading to thousandths.

October 16, 1914.
At 8h. 00m., a.m., l.m.t., I set off $08^{\circ} 42'$ S. on the decl. arc and $33^{\circ} 22'$ on the lat. arc and determine a meridian with the solar at cor. No. 3 of H. E. S. No. 102, which is a granite boulder 10 x 10 x 10 ins. above ground, marked and witnessed as described by me in the field notes thereof, and my line of sight falls upon the tack in the stake set 4.00 chs. North of my station, which marks the meridian as determined by Polaris observations on December 14 and 15, 1913. Therefore, I conclude that my transit is in satisfactory adjustment.

At 8h. 30m., a.m., l.m.t., I set off $08^{\circ} 43'$ S. on the decl. arc and $33^{\circ} 23'$ on the lat. arc and determine a meridian with the solar at the St. 1/4 sec. cor. Sec. 34, T. 1 N., R. 15-1/2 E., which is a quartz stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. $32^{\circ} 00'$ E.
For a tie.
27.42 To cor. No. 1.
Identical with cor. No. 4 of the list survey, which is a granite boulder 12 x 5 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark 1-HES159 on the SW. face of the same stone for cor. No. 1 of this survey, which is also marked

CROOK NATIONAL FOREST

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Chains + 5-HES74 for cor. No. 5 of approved H. E. S. No. 74,
C. H. Thayer, from which:

+ B R H E S 74 1 H E S 159 on a quartzite stone
5 x 8 x 9 ins. out of ground; bears S. 68° 53'
E., 66 lks.

+ B R H E S -74 1 H E S 159 on a schist stone 5 x
9 x 14 ins. out of ground, bears N. 29° 36' E.,
55 lks. dist.

Therefore the St. 1/4 sec. cor. sec. 34, T. 1 N., R.
15-1/2 E., bears N. 32° 00' E., 27.42 chs. dist. from
cor. No. 1 of this survey.

Lat. 33° 22' 30" N., Long. 110° 44' W., obtained from
special instructions of Surveyor General:

At 9h. 00m., a.m., l.m.t., I observe the magnetic dec-
lination at cor. No. 1 of this survey to be 14° 30'
E., which reduced by Table G, Manual of 1894, Diurnal
Variation in Magnetic Declination, gives a mean mag-
netic declination of 14° 28' E.

Thence S. 05° 43' E.

1.00 Descend along SW. slope 15 ft. in undergrowth, to wit-
ness cor.

8.92 To cor. No. 2.

I set a quartzite stone 28 x 14 x 7 ins., 18 ins. in
the ground, over a stone marked with a cross, chiseled
+ at the point and 2-HES159 on the SW. face; and raise
a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of
cor., from which:

A mesquite 4 ins. dia., blazed and scribed 2 H E S
159 + B T, bears S. 29° 30' E., 53 lks. dist.

A hackberry 5 ins. dia., blazed and scribed 2 H E
S 159 + B T, bears S. 32° 15' W., 154 lks. dist.

Chains .8 . Point for cor. No. 2 of this list, which is marked by an iron bolt 1 in. in dia., bears S. 05° 43' E., 3.31 chs. dist. W. C, 6, hereinafter described, bears S. 05° 43' E. 2.06 chs. dist.

At this point I leave List 3-498 and continue upon unlisted land.

Thence S. 62° 30' E.
Ascend 5 ft. along W. slope, in scattering undergrowth.
2.30 Spur, bears NE. and SW. Descend 5 ft. along SW. slope.
5.10 Cease descending and asc. gradually along SW. slope 5 ft.
11.03 To cor. No. 3.

I set a schist stone 24 x 10 x 9 ins., 14 ins. in the ground, over a stone marked with a cross, chiseled + at the point and 3-HES159 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., from which:

A catclaw 4 ins. dia., blazed and scribed 3 H E S 159 + B T, bears South 38 lks. dist.

Pits impracticable. No other bearings available.

Thence S. 02° 03' W.
Descend SW. slope 10 ft. in open.

1.59 Tocco irrigating ditch, 2 lks. wide, course NW.
1.70 Right bank Pinal Creek, 62 lks. wide, banks 2 ft. high, course NW.
2.51 To cor. No. 4.

I set a granite stone 25 x 12 x 10 ins., 15 ins. in the ground, over a stone marked with a cross, chiseled + at the point and 4-HES159 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., from which:

TRINIDAD CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

A cottonwood 26 ins. dia., blazed and scribed
4 H E S 159 + B T, bears N. 63° W., 157 lks.
dist.

A catclaw 4 ins. dia., blazed and scribed 4 H. E. S 159 + B T, bears S. 24° 43' W., 12 lks.
dist.

Cor. No. 2, H. E. S. 102, bears S. 78° 56' E.,
2.62 chs. dist.

Cor. No. 1, H. E. S. 102, bears N. 78° 56' W.,
18.25 chs. dist.

Thence N. 78° 56' W.

Along line 2-1 of H. E. S. No. 102, over bottom land.

0.50 Globe - Keloin road, bears NW. and SE.

1.66 Wire fence, bears WNW. and ESE. Enter field.

7.75 Wagon gate, bears NE. and SW. Also ranch road, bears
NW. and SE.

8.00 Wire fence, bears NW. and SE.

9.28 To cor. No. 5.

Identical with cor. No. 5, H. E. S. 162, which is a
+ on a schist stone 14. x 6 x 10 ins. above ground,
chiseled 5-HES162 on the NW. face, with mound of stone
2 ft. base, 1-1/2 ft. high, NW. of cor.

5-HES159 on the NE. face of the same stone, from which:

+ on an imbedded schist stone, 28 x 12 x 12 ins.

above ground, chiseled 5 H E S 162 B R and 5

H E S 159, bears S. 54° 40' W., 16 lks. dist.

A mesquite 4 ins. dia., blazed and scribed 5 H

E S 162 and 5 H E S. 159 + B T, bears N. 69°

30' W., 61 lks. dist.

Pits impracticable.

Chains Thence N. 05° 43' W. Leave H. E. S. 102 and continue along line 5-4 of H. E. S. 162, over bottom.

1.00 Wire fence, bears NW. and SE. Leave field and enter roadway.

1.30 Globe - Kelvin road, bears NW. and SE.

1.73 To witness corner No. 6.

This is a witness corner to cor. No. 4 of H. E. S. No. 162 and is a quartzite stone 14 x 8 x 10 ins. above ground, chiseled + at the point and WC-4-HES162 on the SW. face, with a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor. I chisel WC-6-HES159 on the NE. face of the same stone, from which:

A mesquite 5 ins. dia., blazed and scribed W C 4 H E S 162 and W C 6 H E S 159 + B T, bears N. 32° 25' W., 23 lks. dist.

A sycamore 14 ins. dia., blazed and scribed W C 4 H E S 162 and W C 6 H E S 159 + B T, bears N. 25° 50' W., 190 lks. dist.

Pits impracticable.

2.00 Enter bed of Pinal Creek.

2.53 To cor. No. 6.

Identical with cor. No. 4 of H. E. S. 162, which is an iron bolt 1 in. dia., driven into the ground in the bed of Pinal Creek. I set a second witness corner as follows: At a point upon the right bank of Pinal Creek, 125 lks. N. 05° 43' W., from the true point, I set a quartzite boulder 26 x 14 x 7 ins., 16 ins. in the ground, over a stone marked with a cross, chiseled + at the point and WC-6-HES159 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor., from which:

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Chains

A hackberry 4 ins. dia., blazed and scribed
W C 6 H E S 159 + B T, bears S. 89° W.,
13 lks. dist.

A hackberry 4 ins. dia., blazed and scribed
W C 6 H E S 159 + B T, bears S. 23° W.,
14 lks. dist.

Iron bolt for cor. No. 6 bears S. 5° 43' E.,
125 lks. dist.

At point for cor. No. 6, leave unlisted land and enter
List 3-498.

Thence N. 55° 34' W., from point for cor. No. 6.

Along line 4-3 of H. E. S. No. 162, the division line
between this claim and the claim of George Graham,
down dry creek bed.

3.30 Leave creek bed, bank 2 ft. high, course NW.

3.38 To cor. No. 7.

Identical with cor. No. 3 H. E. S. 162, which is a 60
penny wire nail driven into the NE. side of a sycamore
tree 30 ins. dia., blazed and scribed 3-HES162 and
7-HES159 immediately under the nail; with a mound of
stone 2 ft. base, 1-1/2 ft. high, NW. of cor., whence:

A sycamore, 24 ins. dia., blazed and scribed
3 H E S 162 and 7 H E S 159 + B T, bears
S. 8° 00' W., 127 lks. dist.

A hackberry 6 ins. dia., blazed and scribed
3 H E S 162 and 7 H E S 159 + B T, bears
N. 45° 45' E., 117 lks. dist.

Note: It was impracticable to place the mound in any
other position.

Thence N. 17° 05' W.

Along line 3-2 of H. E. S. 162, the division line

Chains between this claim and the claim of George Graham.
 Descend 5 ft. to cor. No. 4.

0.10 Left bank Pinal Creek, 2 ft. high; course NW.
 Continue down dry bed of creek.

5.45 Ranch road, bears NW. and SE.

6.55 Left bank of Pinal Creek, 2 ft. high, course N.

10.55 To cor. No. 8.

Identical with cor. No. 2 of H. E. S. 162, which is
 a quartzite stone 12 x 9 x 10 ins. above ground,
 chiseled + at the point and 2-HES162 on the SW. face,
 with a mound of stone 2 ft. base, 1-1/2 ft. high,
 SE. of cor. I chisel 8-HES159 on the SE. face of
 the same stone, from which:

A sycamore 20 ins. dia., blazed and scribed
 2 H E S 162 and 8 H E S 159 + B T, bears
 S. 79° 30' E., 136 lks. dist.

A sycamore 20 ins. dia., blazed and scribed
 2 H E S 162 and 8 H E S 159 + B T, bears
 S. 3° 30' W., 140 lks. dist.

At this point I intersect the line 5-6 of approved
 H. E. S. No. 74 of C. H. Thayer at a point 4.70
 chs. S. 87° 49' W. from cor. No. 5, and 3.18 chs.
 N. 87° 49' E., from cor. No. 6.

Thence N. 87° 49' E.

Along line 6-5 of H. E. S. No. 74, C. H. Thayer,
 over bottom.

0.62 Dry bed of Pinal Creek, 35 lks. wide, banks 1 ft. high,
 course N.

1.20 Leave bottom, bears N. and S. and ascend W. slope 25 ft.

4.70 To cor. No. 1 of this survey, the place of beginning.

Note: The sun was obscured at apparent noon, therefore

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STATE OF ARIZONA

Chains

a latitude observation was not possible.

AREA

Area in List 3-498 - - - - - 3.98 acres.
 Area to be listed - - - - - 3.86 acres.
 Total area - - - - - 7.84 acres.

IMPROVEMENTS.

The improvements made upon and for the benefit of this homestead and belonging to Anthony B. Tocco, the claimant herein, consist of the following:

A frame dwelling 36 x 23 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 06° 00' W., 4.14 chs. dist. from cor. No. 7 of this survey.
 Value ----- \$250.00

A well 4 x 4 x 25 ft. deep, the center of which bears N. 02° 30' W., 3.80 chs. dist. from cor. No. 7 of this survey.
 Value ----- \$100.00

A frame shed 12 x 14 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 05° 45' W., 4.80 chs. dist. from cor. No. 7 of this survey.
 Value ----- \$ 25.00

A 3 H. P. gasoline engine with pump, and well 4 x 4 x 22 ft. deep, the center of which bears N. 06° 00' W., 5.80 chs. dist. from cor. No. 7 of this survey.
 Value ----- \$275.00

A frame chicken house 10 x 40 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 09° 45' E., 4.90 chs. dist. from cor. No. 7 of this survey.
 Value ----- \$ 50.00

An excavated cement lined water tank 8 x 21 x 8 ft. deep,

Chains the long side of which bears N. and S. and the SW. cor. of which bears N. 16° E., 6.10 chs. dist. from cor. No. 7 of this survey.

Value ----- \$100.00

GENERAL DESCRIPTION.

This claim is situated on Pinal Creek at an elevation of approximately 3,600 ft., and is chiefly valuable for intensive farming. There is one acre of six year old orchard, planted upon terraced ground. Globe postoffice and Arizona Eastern Railway station is 2 miles in a northerly direction. The soil is a sandy loam and produces any crop raised in the temperate zone. I saw no trace of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

This Homestead Entry is joined on the N. by approved H. E. S. No. 74, C. H. Thayer, and on the S. and W. by H. E. S. No. 162 of George Graham.

TRAVERSE.

Cor.	Course	Dist.	N	S	E	W
1-2	S. 05° 43' E.	8.92		8.88	0.89	
2-3	S. 62° 30' E.	11.03		5.09	9.78	
3-4	S. 02° 03' W.	2.51		2.51		0.09
4-5	N. 78° 56' W.	9.28	1.78			9.11
5-6	N. 05° 43' W.	2.53	2.52			0.25
6-7	N. 55° 34' W.	3.38	1.91			2.79
7-8	N. 17° 05' W.	10.55	10.08			3.10
8-1	N. 87° 49' E.	4.70	0.18		4.70	
		52.90	16.47	16.48	15.37	15.34
				16.47	15.34	
	Error in Lat. and Dep.			0.01	0.03	
	Closing error 1:1673.					

Walter J. Purley
Surveyor - Forest Service.

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. 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.
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.

Anthony B. Tocco - Crook

159 STATE OF ARIZONA

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159

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CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
09941 99553	1-2 S. 5° 43' E.	8.92		8 88	0 82		10 29	91 38	✓
09941 46195	2-3 S. 62° 30' E.	11.03	5 09		9 78		20 95	106 43	✓
09947 99936	3-4 S. 2° 03' W.	2.51	2 51		0 09		30 63	76 88	✓
09940 19195	4-5 N. 78° 56' W.	9.28	1 78		9 11		21 42	38 13	✓
09945 99500	5-6 N. 5° 43' W.	2.53	2 52		0 25		12 05	30 37	✓
09948 56545	6-7 N. 55° 34' W.	3.38	1 91		2 79		9 01	17 21	✓
09946 95533	7-8 N. 17° 05' W.	10.55	10 08		3 10		3 11	31 35	✓
09947 08810	8-1 N. 87° 49' E.	4.70	0 18		4 70		4 70	0 85	✓
		52.90	16 47	16 48	15 37	15 34	117 91	274 69	✓
			16 47	16 47	15 36	15 36		117 91	✓
								156 78	✓
								7.84 = Area	✓
	Closing Error 1:1673								

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T-H

1957-1958

STATE OF VIRGINIA

STATE OF VIRGINIA

1957

STATE OF VIRGINIA

STATE OF VIRGINIA

STATE OF VIRGINIA

1. Only those copies of the report are necessary for the District Office, the District General, and the Commissioner.

2. In computations of figures are made to nearest 1/100. In computations of 1/10 and 2/100 are made to nearest 1/1000.

The collections for the report will be reported to the Department of the Interior, Bureau of Land Management, in the following manner:

1. The collections from the report shall be reported to the Department of the Interior, Bureau of Land Management, in the following manner:

2. In reports the Department of the Interior, Bureau of Land Management, shall report to the Department of the Interior, Bureau of Land Management, in the following manner:

3. The collections from the report shall be reported to the Department of the Interior, Bureau of Land Management, in the following manner:

148

• 2382 L 1000000

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STATE OF ALABAMA - CLOSING

• 2382 L 1000000

2382

APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, May 29, 1916.

The foregoing field notes of Homestead Entry Survey No.

159

executed by Walter G. Turley, Surveyor-Forest Service
under his special instructions, dated January 17, 1914,
having been critically examined, and the necessary correc-
tions 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 Arizona,
has been correctly copied from the original notes on file in
this office.

Frank P. Trott
U. S. Surveyor General.