

HES

0

0

5

5

9

ORIGINAL

271

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

MAY-7-1920

OF

HOMESTEAD ENTRY SURVEY NO. 559

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3.

In Section 10, unsurveyed, Township 3 N., Range 13 E.
In Section 11, unsurveyed, Township 3 N., Range 13 E.

of the

GILA AND SALT RIVER BASE & Meridian.

State of

ARIZONA

Applicant for listing	Herman L. Prosper,
Residence	Roosevelt, Arizona.
Application No. 233	, dated March 29, 19 09
List No. 3-203	, dated June 16, 19 09

Applicant for survey	Chas. E. Steward,
Residence	Roosevelt, Arizona.
H. E. No. 029824	, dated March 22, 19 16
Land Office,	Phoenix, Arizona.

044280, dated Dec. 8, 1919, Chester H. Cooper.
Relinquished 12-8-1919

Survey executed by	Frank D. Yost, Surveyor - Forest Service,
Under special instructions dated	Mar Feb. 15, 19 18
Survey commenced	Feb. 24 19 19
Survey completed	Feb. 25, 19 19.
Under Acts of	June 11, 1906, and October 1, 1918.

272

OATH OF ASSISTANTS

We hereby certify that we assisted
Surveyor- Forest Service,
[Forest Service Title.]

Frank D. Yost,
in surveying all those

parts or portions of Homestead Entry Survey No. **559**, 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 Adsistants; hence, they
were taken by the Surveyor.

H. E. Brandberry

Chainman

H. N. Longfellow

Chainman

Subscribed and sworn to before me this **6th** day of
August, 19 **19**

Frank D. Yost
Surveyor - Forest Service,

OATH OF SURVEYOR

I, **Frank D. Yost,** **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
February 15, 19 **18**, 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. **3-203**, dated **June 16**, 19 **09**, for
Patent, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **559**,
situated within the **TONTO** National Forest, in
unsurveyed Sections **10 & 11**, Township **3 N.**, Range **13 E.**, and
-- surveyed Section **---**, Township **---**, Range **----**

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

Frank D. Yost

Surveyor - Forest Service,

[Forest Service Title.]

Subscribed and sworn to before me this **fifth** day of
November, 19 **19**.

Ethel G. Myers

Notary Public.



My commission expires March 17, 1921.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Herman L. Prosper; Application No. 233, dated March 29, 1909; List No. 3-203, dated June 16, 1909; H. E. 029824 made in the Phoenix Land Office on March 22, 1916, by Chas. E. Steward.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 559.

Situated in what will probably be when surveyed Secs 10&11, T. 3 N., R. 13 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and October 1, 1918.

Survey commenced February 24, 1919, and executed with a Buff and Buff transit No. 10019, equipped with Smith solar attachment.

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

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

February 24, 1919.

At Cor. No. 4 of this survey, hereinafter described, at 6h 00.1m p.m., l.m.t., I observe Polaris with telescope direct reading an angle of $62^{\circ} 25' 15''$ from star to right to a reference mark 1 mile distant.

Latitude $33^{\circ} 37' 06''$ N., Long. $111^{\circ} 00' 06''$ W., from special instructions from the Surveyor General and later verified.

Chains Greenwich m.t., U. C. Pol., Feby. 24, 1919, 3h 17.1m p.m.
 Corr. for long. 1.2
 l.m.t. U. C. Pol. Feby. 24, 1919, 3h 15.9m p.m.
 l.m.t. obsn. Pol. Feby. 24, 1919, 6h 00.1m p.m.
 Hour Angle, 2h 44.2m
 Azimuth of Polaris, $0^{\circ} 53' 42''$ W.
 Bearing of Reference mark, N. $61^{\circ} 31' 33''$ E.

At the same station at 6h 04.5m p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of $62^{\circ} 27'$ from star to right to same reference mark.

l.m.t. U. C. Pol., Feby. 24, 1919, 3h 15.9m p.m.
 l.m.t. obsn. Pol., Feby. 24, 1919, 6h 04.5m p.m.
 Hour Angle, 2h 48.6m
 Azimuth of Polaris, $0^{\circ} 54' 54''$ W.
 Bearing of reference mark, N. $61^{\circ} 32' 06''$ E.

The two obsns. give a mean bearing of reference mark as N. $61^{\circ} 31' 50''$ E. I accept bearing of reference mark as N. $61^{\circ} 32'$ E., and to the corresponding meridian all the courses of this survey were referred by sustained angulation.

Feby. 24, 1919.

BOUNDARIES OF CLAIM
 February 25, 1919.
 Beginning at Cor. No. 1.

Identical with Cor. No. 2 of H. E. S. 447, which is a diorite stone 8 x 7 x 10 ins. above ground, marked + on top and 2 H E S 447 on NW. face. I adopt this cor. for Cor. No. 1 of this survey, and alongside to SW. set a granite stone 22 x 16 x 14 ins. on top of ground. (Impracticable to set stone in ground.)

THE TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Chiseled 1 H E S 559 on SW. face, surrounded by a mound of stone 3-1/2 ft. base, 1-1/2 ft. high; raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., whence:

A mesquit 6 ins. dia., brs. S. 64° 45' W.,
42 lks. dist.

A mesquit 6 ins. dia., brs. N. 33° 55' W.,
82 lks. dist.

Each blazed and scribed 1 H E S 559 + B T

The 1/4 cor. on the S. bdy. of Sec. 35, T.

4 N., R. 13 E., (accepted). A quartzite

stone 7 x 5 x 5 ins. above ground, chiseled

1/4 on N. face, with mound of stone N. of

cor., bears N. 7° 48' 07" E., 104.46 chs.

dist., by traverse which appears at the end

of these notes.

Cor. H-4 of the list survey, which is a granite

stone 10 x 10 x 17 ins. marked and witnessed

as described by the Forest Service, was lying

on top of ground alongside Cor. No. 2 H.E.S.

No. 447. I destroy all trace of this list

cor.

In connection with the survey of H. E. S. No. 447,

Forest Service Surveyor Walter G. Turley made careful

search for standard cor. of Secs. 34 and 35, but was

unable to find any trace of same.

Note: It was impracticable to chisel markings for cor.

No. 1 of this survey on the stone set for Cor. No. 2

of H. E. S. 447.

Lat. 33° 37' 06" N., Long. 110° 59' 46" W., from spe-

cial instructions from the Surveyor General and later

verified.

Mag. decl. at 8 a.m., 14° 00' E., Mean

Mag. decl. 13° 59' E.

Chains ✓ Thence S. 52° 56' W.
 Over bottom land, thru dense brush.

1.21 ✓ Wire fence, bears N. 30° E. and S. 30° W.

13.69 ✓ To Cor. No. 2.
 Identical with Cor. H-3 of the list survey, which is
 a granite stone 10 x 6 x 6 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor.
 Deposit a sandstone 6 x 4 x 2 ins. marked with a + 24
 ins. in the ground, over which set an iron post 2 ins.
 dia., 36 ins. long, with brass cap marked 1919 on S.
 rim and 2 H E S 559 in N. quadrant facing claim; raise
 a mound of stone 3 ft. base, 2 ft. high, N. of cor.,
 whence:
 A mesquit 9 ins. dia., brs. N. 83° 05' E.,
 21 lks. dist.
 A mesquit 10 ins. dia., brs. S. 22° 24' E.,
 84 lks. dist.
 Each blazed and scribed 2 H E S 559 + B T

✓ Thence N. 83° 11' W.
 Thru heavy brush.

12.05 ✓ To Cor. No. 3.
 Identical with Cor. H-2 of the list survey, which is a
 granite stone 12 x 8 x 6 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor.
 Deposit a granite stone 8 x 5 x 4 ins. marked with a
 + 24 ins. in the ground, over which set an iron post,
 2 ins. dia., 36 ins. long, with brass cap marked 1919
 on S. rim, and 3 H E S 559 in NE. quadrant facing the
 claim; raise a mound of stone 3 ft. base, 2 ft. high,
 NE. of cor., whence:

TONTO NATIONAL FOREST

STATE OF ARIZONA.

Chains

A mesquit 10 ins. dia., brs. N. 69° 52' W.,

80 lks. dist.

A mesquit 6 ins. dia., brs. S. 32° 10' W.,

82 lks. dist.

Each blazed and scribed 3 H E S 559 + B T

Thence N. 22° 41' W.,

Over open land, - - - - -

7.75 Wire fence, bears N. and S.

7.87 To Cor. No. 4.

Identical with Cor. No. 3 of H. E. S. 447, a diorite
stone 12 x 6 x 10 ins. above ground, marked + on top
and 3 H E S 447 on NE. face. I adopt this cor. for
Cor. No. 4 of this survey. It was impracticable to
mark same stone for this survey on account of rough
surface. I therefore set a granite stone 20 x 12 x 8
ins. 15 ins. in ground alongside to SE., marked 4 H E S
559 on SE. face; raise a mound of stone 3 ft. base,
2 ft. high, SE. of cor., whence:

A mesquit 10 ins. dia., brs. S. 31° 16' E.,
576 lks. dist.

A mesquit 8 ins. dia., brs. N. 45° 55' W.,

29 lks. dist.

Each blazed and scribed 4 H E S 559 + B T

Cor. H-1 of List 3-203, which is a mesquit stake,

5 x 20 ins. marked as described by the Forest

Service, was lying on ground alongside Cor.

No. 5, H. E. S. 447. I destroy all trace of

this list cor.

HOMESTEAD ENTRY SURVEY NO. 559

TONTONAVOIT NATIONAL FOREST

STATE OF ARIZONA

Chains

Thence S. 88° 58' E.
 Thru heavy brush, along line 3-2 of H. E. S. 447.
 Fence 1 lk. N., and bears with line.
 24.56 Wire fence, bears South.
 25.93 To Cor. No. 1, the place of beginning.

AREA

Total area - - - - - 15.05 Acres

IMPROVEMENTS

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

A frame house 18 x 12 ft., the long sides extending E. and W. and the SW. cor. of which bears S. 24° 55' E., 5.73 chs. dist. from cor. 4.

Value - \$200.00

Approximately 3/4 miles of wire fencing, mostly outside of claim.

Value - \$80.00

DESCRIPTION

The claim consists of part of a mesquit covered flat, bounded on the West by a low mesa, and on the East by Pinto Creek Wash. The land has a gradual slope.

The soil is a light sandy loam of fair depth, and will produce the ordinary crops of the temperate zone, with irrigation. Approximately 60 percent of the area is suitable for farming and of which about 3 acres have been cultivated in the past.

Water for domestic use can be obtained from Pinto Creek which lies a short distance to the East of the claim.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains

There is no commercial timber on the claim.
I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. H. E. S. 447, (accepted), adjoins this survey on the North; line 3-2 thereof being identical with line 4-1 of this survey. H. E. S. 70 lies about 1/2 mile to Southeast. Roosevelt, Arizona, the nearest settlement and postoffice is 15 miles in a Northwesterly direction.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
S. 52° 56' W.	13.69		8.25		10.92
N. 83° 11' W.	12.05	1.43			11.96
N. 22° 41' W.	7.87	7.26			3.04
S. 88° 58' E.	25.93		.47	25.93	
	59.54	8.69	8.72	25.93	25.92
			8.69	25.92	
Error in Lat. and Dep.			.03	.01	

Closing Error, 1:1883.

TIE FROM COR. NO. 1 TO 1/4 COR.
ON S. BDY. SEC. 35, T. 4 N., R. 13 E.

Course	Dist.	N.	S.	E.	W.
N. 65° 53' W.	27.05	11.91			24.29
N. 8° 22' E.	21.49	21.26		3.13	
N. 64° 52' E.	15.06	6.40		13.63	
N. 8° 21' E.	40.31	39.88		5.85	
N. 33° 19' E.	25.98	21.71		14.27	
N. 34° 25' E.	2.81	2.32		1.59	
		103.48	0.00	38.47	24.29
				24.29	
				14.18	

Resultant course N. 7° 48' 10" E., 104.45 chs.

Survey completed February 25, 1919.

Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

Frank J. ...
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.

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. 559, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.				
1 - 2	S. 52-56 W.	13.69		8 25 ²⁴		10 92	40 92		337 18	
2 - 3	N. 83-11 W.	12.05	1 43 ⁴⁴			11 96	18 04	25 98		
3 - 4	N. 22-41 W.	7.87	7 26			3 04	3 04	22 07		
4 - 1	S. 88-58 E.	25.93		47 ⁴⁶	25 93 ⁹²		25 92		11 92	
		59.54	8 69	8 72	25 93	25 92		48 05	349 10	
			8 70	8 70	25 92	25 92			48 05	
	Error in Lat. and Dep.			03	01				20/301 05	
	Closing Error, 1:1883								15 05	Acres.
										I. S.

281

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 10, 1920

The foregoing field notes of Homestead Entry Survey No.

559

executed by *Frank D. Gosh, Surveyor* [Forest Service Title.]
under his special instructions, dated *February 15*, 1918, 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.