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ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

APR 26 1920
MAY 19 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 579

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 5, unsurveyed, Township 18 N., Range 6 E.
In Section 8, unsurveyed, Township 18 N., Range 6 E.

(T. 18 N., R. 6 E., partly surveyed and accepted)

of the

GILA AND SALT RIVER BASE & Meridian.

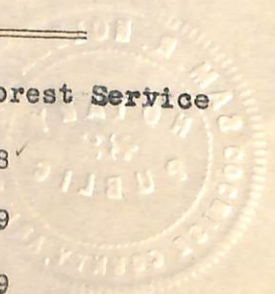
State of

ARIZONA

Applicant for listing	Albert W. Purtyman,
Residence	Flagstaff, Arizona.
Application No. 33	, dated May 20, 19 07
List No. 785	, dated January 23, 1908

Applicant for survey	Charles R. Allen,
Residence	Flagstaff, Arizona.
H. E. No. 019120	, dated September 5, 19 12
Land District Office,	Phoenix, Arizona.

Survey executed by	A. W. Hendrix, Surveyor - Draftsman, Forest Service <small>[Forest Service Title.]</small>
Under special instructions dated	August 3, 19 18
Survey commenced	May 27, 19 19
Survey completed	May 30, 19 19
Under Acts of	June 11, 1906, and October 1, 1918.



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OATH OF ASSISTANTS

We hereby certify that we assisted **A. W. Hendrix,**
Surveyor - Draftsman, Forest Service, in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **579**, 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 oath
to Assistant; hence, it was
taken by the Surveyor.

Donald L. Carbin

Chairman

Subscribed and sworn to before me this **30th** day of
May, 19**19**.

A. W. Hendrix

Surveyor-Draftsman, Forest Service

OATH OF SURVEYOR

I, **A. W. Hendrix, Surveyor - Draftsman, 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
August 3, 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. 785, dated January 23, 1908, and also a tract
of unlisted land upon the Application of Albert W. Partyman,

Application, No. **33**, dated **May 20**, 19**07**, for
Listing and Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **579**,
situated within the **COCONINO** National Forest, in
un surveyed Section **8**, Township **18 N.**, Range **6 E.**, and
un surveyed Section **5**, Township **18 N.**, Range **6 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.

A. W. Hendrix

Surveyor-Draftsman, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **21st** day of
Feb, 19**20**.

Sam. R. Holdeman

Notary Public



my com. expires
Feb 11, 1923



COCONINO NATIONAL FOREST

STATE OF ARIZONA.

Chains Applicant for listing, Albert W. Purtyman; Application No. 33, dated May 20, 1907; List No. 785, dated January 23, 1908; H. E. 019120 made in the Phoenix Land Office on September 5, 1912, by Charles R. Allen. This claim is located in an unsurveyed section and was erroneously listed by legal subdivisional description. The survey as marked upon the ground embraces all possible agricultural land intended to be included in the original listing while excluding forest land. This is in the nature of a cooperative survey and will be used as a basis for substitute listing and amendment of entry. Copy of a signed statement from the entryman agreeing to the changes made and also agreeing to amend his entry to conform to this survey is attached at the end of these notes.

Surveyed under special instructions from the Surveyor General for Arizona, dated August 3, 1918; and designated as Homestead Entry Survey No. 579.

Situated in unsurveyed Secs. 5 and 8, T. 18 N., R. 6 E. (partly surveyed and accepted), Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and October 1, 1916.

Survey commenced May 27, 1919, and executed with a Buff and Buff transit No. 10530, 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 400 link steel tape. The slope angles were determined with a clinometer.

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COCONINO NATIONAL FOREST

STATE OF ARIZONA.

Chains

May 27, 1919.

At Cor. No. 1 of this survey, hereinafter described, in
 Lat. $34^{\circ} 58' N.$, Long. $111^{\circ} 45' 12'' W.$, from Forest
 Service Base Map, at 3h. 18.9m. a.m., l.m.t., I observe
 Polaris at Eastern elongation with telescope direct and
 reversed, and mark my lines of sight by a cross on a
 boulder in place about 5 chs. northwardly of my station.
 Diff. bet. lines $1/4$ in.

At 6h. 00m. a.m., l.m.t., I lay off the azimuth of Polaris
 $1^{\circ} 22' 36''$ to the West from the mean of the two lines
 determined by obsn. on Polaris, and mark the meridian
 thus determined by driving a nail in a stake firmly
 set in the ground 5 chs. north of my station, from
 which all the courses of this survey were deflected by
 sustained angulation.

RETRACEMENT

Beginning at the W.C. $1/4$ cor. bet. secs. 8 and 9, a mal-
 pais stone $6 \times 10 \times 20$ ins. set in a mound of stone,
 mkd. and witnessed as described by the Surveyor General.

From the above W.C. $1/4$ cor., which is East 76 lks. from
 the true pt. for $1/4$ cor.,

Thence S. $0^{\circ} 11' W.$ (Record course S. $0^{\circ} 02' E.$)

For W.C. to Cor. of Secs. 8, 9, 16 and 17, flag on
 which is plainly visible.

44.20 The W.C. to cor. of Secs. 8, 9, 16 and 17, which is a
 malpais stone $24 \times 6 \times 12$ ins., set in a mound of stone
 mkd. and witnessed as described by the Surveyor General,
 which is N. $89^{\circ} 53' E.$ 76 lks. from true point for cor.
 to Secs. 8, 9, 16 and 17.

Return to W.C. $1/4$ cor. bet. Secs. 8 and 9, heretofore
 described.

Thence N. $0^{\circ} 02' W.$

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Retracing line bet. Secs. 8 and 9, N/2.

36.10

Fall 24 lks. East of cor. to Secs. 4, 5, 8 and 9, which is a malpais stone 4 x 16 x 22 ins. loosely set in mound of stone. I rebuild mound of stone around cor. and also rebuild mound of stone West of cor.
True line is N. $0^{\circ} 48'$ E., 36.10 chs.

May 27, 1919.

BOUNDARIES OF CLAIM

May 28, 1919.

Beginning at Cor. No. 1,

I chisel + on a boulder in place flush with the ground, over which set a granite stone 6 x 8 x 20 ins. chiseled + on top and 1 H E S 579 on SW. face, surrounded by a mound of stone 3 ft. base, 1-1/2 ft. high, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., whence:

A sycamore 14 ins. dia., brs. N. $45^{\circ} 30'$ E.,

51 lks. dist.

A juniper 24 ins. dia., brs. N. $89^{\circ} 30'$ W.,

85 lks. dist.

Each blazed and scribed 1 H E S + 579 B T

Cor. of Secs. 4, 5, 8 and 9, heretofore de-

scribed, brs. S. $82^{\circ} 39'$ E., 12.35 chs.

dist. by traverse which appears at the

end of these notes.

Lat. $34^{\circ} 58'$ N., Long. $111^{\circ} 45' 12''$ W., from Forest Service Base Map.

Mag. decl. at 8 a.m., $14^{\circ} 40'$ E., Mean mag.decl. $14^{\circ} 37'$ E.Thence S. $17^{\circ} 07'$ W.

Desc. 6 ft. to cor. over bottom land, through dense brush.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

.40 Enter cultivated land, thence along East edge of same.

2.45 Fence, bears N. 30° E. and S. 30° W. Leave cultivated land.

3.20 To Cor. No. 2.
Point for cor. falls on a sandstone boulder in place showing 4 x 5 x 7 ft. above ground, 1 chisel boulder + for the true point for cor. and 2 H E S 579 on West face, raise a mound of stone 2 ft. base, 1-1/2 ft. high, West of cor., whence:
An alder 12 ins. dia., brs. N. 38° 30' W.,
37 lks. dist.
A sycamore 10 ins. dia., brs. S. 32° 00' W.,
101 lks. dist.
Each blazed and scribed 2 H E S + 579 B T

Thence S. 42° 09' W.
Descend 5 ft. over creek bottom.

3.50 Oak Creek, 350 lks. wide, course S. 70° W. Bottom of descent. Ascend 50 ft. to cor. over creek bottom.

6.00 Leave creek bottom, begin steep ascent of rocky point.

6.60 Top of steep ascent, thence ascend gradually over N. slope to cor.

6.82 To Cor. No. 3.
Deposit a malpais stone 3 x 4 x 5 ins., mkd. with a + 18 ins. in the ground, over which set a malpais stone 8 x 10 x 24 ins. chiseled a + on top and 3 H E S 579 on West face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, West of cor., whence:
A pine 20 ins. dia., brs. N. 54° W.,
24 lks. dist.
A juniper 10 ins. dia., brs. S. 63° 30' E.,
40 lks. dist.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Each blazed and scribed 3 H E S + 579 B T

May 28, 1919.

May 29, 1919.

Thence S. $16^{\circ} 32'$ W.

Descend 30 ft. to cor. over rolling land, along foot of steep west slope, through dense brush and scattering timber.

13.99 To Cor. No. 4.

Deposit a malpais stone 3 x 3 x 5 ins. mkd. with a +, 18 ins. in the ground, over which set a malpais stone 6 x 8 x 25 ins., chiseled a + on top and 4 H E S 579 on NW. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., whence:

A juniper 24 ins. dia., brs. S. 71° W.,

72 lks. dist.

An oak 10 ins. dia., brs. S. $72^{\circ} 10'$ E.,

13 lks. dist.

Each blazed and scribed 4 H E S + 579 B T

Cor. No. 7 of H. E. S. No. 369, a malpais

stone 10 x 5 x 10 ins. above ground, mkd.

+ on top and 7 H E S 369 on S. face, brs.

S. $25^{\circ} 44'$ W., 11.72 chs. dist. by direct

measurement.

Thence N. $72^{\circ} 28'$ W.

Descend 5 ft. over west slope through dense brush and scattering timber.

.85 Road, brs. N. and S., bottom of descent; Ascend 15 ft. over rocky point, brs. NW. and SE.

1.75 Top of ascent. Descend 60 ft. over steep SW. slope to creek.

8.00 Bottom of steep descent, thence over creek bottom.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains 9.50	<p>Oak Creek, 200 lks. wide, course SE.; bottom of descent. Thence over creek bottom. Ascending 100 ft. to cor.</p>
11.00	<p>Leave creek bottom, thence over rolling land, along foot of North slope.</p>
16.10	<p>To Cor. No. 5. Deposit a malpais stone 3 x 5 x 6 ins. mkd. with a +, 18 ins. in the ground, over which set a sandstone 14 x 16 x 24 ins. chiseled + on top and 5 H E S 579 on NE. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor., whence: A pine 10 ins. dia., brs. S. 8° 10' W., 102 lks. dist. A fir 8 ins. dia., brs. S. 45° 20' E., 80 lks. dist. Each blazed and scribed 5 H E S + 579 B T May 29, 1919.</p> <hr/> <p>May 30, 1919. Thence N. 7° 43' E. Ascend 100 ft. to cor. along foot of precipitous sand- stone bluff, through dense oak brush.</p>
.75	<p>Fence, brs. SE. and NW. Cor. of fence brs. SE. 125 lks. Fence brs. East from cor.</p>
3.00	<p>Cultivated land brs. East, 150 lks., <u>extends SE.</u> and parallel to line.</p>
7.00	<p>Cultivated land, brs. NE.</p>
8.60	<p>Begin steep ascent of low ridge,</p>
10.00	<p>Top of low ridge, brs. E. and W.</p>
11.00	<p>Cross head of canyon, about 60 ft. deep, course E., Ascend low ridge to cor.</p>
13.70	<p>To Cor. No. 6.</p>

see plat

COCOONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Deposit a sandstone 3 x 6 x 6 ins. marked with a + 18 ins. in the ground, over which set a sandstone 6 x 14 x 22 ins. (No larger stone available), chiseled + on top and 6 H E S 579 on SE. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., whence:

A pine 16 ins. dia., brs. N. 6° 30' E.,
22 lks. dist.

A pine 20 ins. dia., brs. N. 40° 10' W.,
18 lks. dist.

Each blazed and scribed 6 H E S + 579 B T

Thence N. 82° 20' E.

Descend 300 ft. to cor. over rough South slope of ridge through dense brush and scattered timber.

1.00 Canyon 60 ft. deep, course SE.

21.50 Road bears NE. and SW.

22.00 Irrigation ditch, 6 lks. wide, course S. 60° W.

22.50 Fence bears NE. and SW.

23.18 To Cor. No. 1 and place of beginning.

AREA

Area - - - - - 32.50 A.

IMPROVEMENTS

The improvements made on this claim and belonging to the claimant consist of the following:

A 4 room log house 18 x 50 ft., N. and S., with 18 ft. L, in poor condition, but habitable, the NW. cor. of which brs. S. 63° 55' E., 6.05 chs. from Cor. No. 6.

Value - - - - - \$400.00

About a mile of wire fencing,

Value - - - - - \$200.00

About 3/4 mile of irrigation ditch,

Value - - - - - \$200.00

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

DESCRIPTION

The claim lies entirely in the canyon of Oak Creek, consisting of about 3 acres of creek bottom land proper, and the rest lies on benches and the East slope of the canyon. The soil is a rich sandy loam and suitable for agriculture when irrigated; Oak creek furnishing abundant water for this purpose. The creek itself runs through the claim and is from two to five chains wide, taking up considerable of the land, and there are rocky points and knolls which are unfit for cultivation. Approximately 15 acres of the claim can be placed in cultivation by clearing.

About 10 acres are in cultivation at present, most of which is orchard.

Water for domestic purposes is obtained from the irrigation ditch.

There is no indication of mineral on or near the claim. There is practically no timber of commercial value on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

H. E. S. 369 lies about 12.00 chs. to the South, and
H. E. S. 368 lies about 1 mile to the South.

Flagstaff, Arizona, on the A. T. and S. F. Ry., the nearest post office and trading point, is about 20 miles in a northerly direction.

HOMESTEAD ENTRY SURVEY NO. 579

COCOONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

TRAVERSES

Course	Dist.	N.	S.	E.	W.
S. 17° 07' W.	5.20		3.06		.94
S. 42° 09' W.	6.82		5.06		4.58
S. 16° 52' W.	15.99		13.41		3.98
N. 72° 28' W.	16.10	4.85		1.84	15.35
N. 7° 43' E.	15.70	13.58		22.97	
N. 82° 20' E.	23.18	5.09		24.81	24.85
	76.99	21.52	21.55	24.81	24.81
			21.52		.04
			.01		

Error in Lat. and Dep.

Closing Error, 1:1868.

TIE FROM COR. NO. 1 OF H. E. S. No. 579 to Cor. of

Secs. 4, 5, 8 and 9, T. 18 N., R. 6 E.

Course	Dist.	N.	S.	E.	W.
S. 89° 40' E.	14.43		.08	14.43	2.18
S. 55° 51' W.	2.65		1.50	14.43	2.18
	17.08		1.58	12.25	2.18

Resultant course, S. 82° 59' E., 12.35 chs.

Survey completed May 30, 1919.

Geo L. Lindell

Surveyor - Draftsman, 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. 579, STATE OF ARIZONA - COCONINO

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	S. 17-07 W.	3.20		3 06		94	48 70			149 02	
2 - 3	S. 42-09 W.	6.82		5 06		4 58	43 19			218 54	
3 - 4	S. 16-32 W.	13.99		13 41		3 98	34 64			464 52	
4 - 5	N. 72-28 W.	16.10	4 85			15 35	15 33	74 35			
5 - 6	N. 7-43 E.	13.70	13 58		1 84		1 84	24 99			
6 - 1	N. 82-20 E.	23.18	3 69		22 97		26 66	82 65			
		76.99	21 52	21 53	24 81	24 85		181 99		832 08	
			21 53	21 53	24 82	24 82				181 99	
	Error in Lat. and Dep.			01		04				20/650 09	
	Closing Error, 1:1868.									32 504 Acres.	

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10

- DIRECTIONS.—1. Carry out calculations to two decimals only.
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 579, STATE OF ARIZONA - COCONINO

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
<i>Traverse</i>	N. 82-39 W.	12.35 ✓	1 58 ✓			12 25 ✓			
<i>Tie thru</i>	S. 17-07 W.	3.20 ✓		3 06 ✓		94 ✓			
<i>579-369</i>	S. 42-09 W.	6.82 ✓		5 06 ✓		4 58 ✓			
	S. 16-32 W.	13.99 ✓		13 41		3 98			
	S. 25-44 W.	11.72 ✓		10 65		5 09			
	S. 41-46 E.	1.75 ✓		1 31 ✓	1 17 ✓				
	S. 8-47 W.	5.23 ✓		5 17 ✓		80 ✓			
	S. 28-37 W.	4.35 ✓		3 82 ✓		2 08 ✓			
	S. 41-30 W.	3.53 ✓		2 64 ✓		2 34 ✓			
	S. 20-24 W.	5.01 ✓		4 70 ✓		1 75 ✓			
	S. 44-31-01 E.	45.30 ✓		32 30 ✓	31 76 ✓				
	N. 0-11 E.	44.20	44 20 ✓		14				
	N. 0-48 E.	36.10	36 10 ✓		50				
			81 88 ✓	82 12	33 57	33 81	<i>ET</i>		

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(Copy)

May 31, 1919.

I, C. R. Allen, hereby agree to the survey of my home-
stead, Number 579, as completed on 30th day of May,
1919, by Forest Service Surveyor A. W. Hendrix, and
further agree that when notified that the survey has
been approved and before attempting to make final proof
on my entry, I will apply for amendment of the same to
conform with said survey.

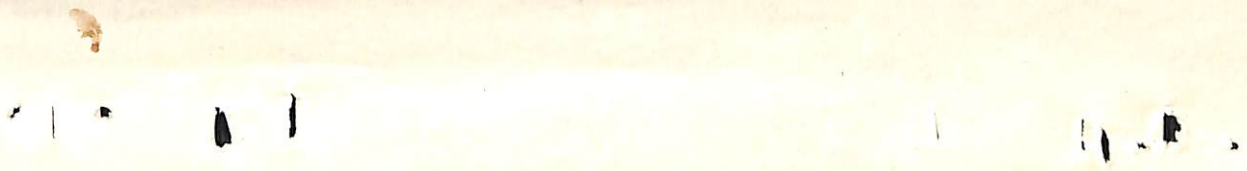
The changes made by the Surveyor are instead of
approximate NW.1/4 NE/4, unsurveyed Section 8, T. 18 N.,
R. 6 E., Gila and Salt River Base & Meridian,-

Beginning at Cor. No. 1, from which the cor. of secs.
4, 5, 8 and 9, bears S. 82° 39' E., 12.35 chs. Thence
S. 17° 07' W., 3.20 chs. To Cor. No. 2. Thence S. 42° 09' W.,
6.82 chs. to Cor. No. 3. Thence S. 16° 32' W., 13.99 chs.
to Cor. No. 4. Thence N. 72° 28' W., 16.10 chs. To Cor.
No. 5. Thence N. 7° 43' E., 13.70 chs. to Cor. No. 6.
Thence N. 82° 20' E., 23.18 chs. to Cor. No. 1. The
claim consists of 32.49 acres, more or less.

(Sgd.) D. E. Harbison,
Witness.

(Sgd.) C. R. Allen,
Claimant,

The following is a list of the names of the persons who have been
 named in the above mentioned report, together with the date of their
 death, and the place where they died. The names are arranged in
 alphabetical order, and the dates are given in full. The places are
 given in full, and are in the same order as in the report. The
 names are given in full, and are in the same order as in the
 report. The dates are given in full, and are in the same order
 as in the report. The places are given in full, and are in the
 same order as in the report.



APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 26, 1920

The foregoing field notes of Homestead Entry Survey No.

579

executed by *A. H. Hendrix, Surveyor-Draftsman* [Forest Service Title.]
under his special instructions, dated *Aug. 3*, 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.