

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

75  
JUN 2 1915  
MAY 26 1916

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 175

SITUATED IN THE

COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 2, unsurveyed, Township 14 N., Range 9 E.

Section 3, unsurveyed, Township 14 N., Range 9 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service  
Under special instructions dated March 23, 1914  
Survey commenced June 12, 1914  
Survey completed June 13, 1914  
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Chauncey C. Montgomery,  
Residence Camp Verde, Arizona.  
Application No. 155, dated April 8, 1910  
List No. 3-1013, dated January 18, 1911  
Applicant for survey Chauncey C. Montgomery,  
Residence Camp Verde, Arizona.  
H. E. No. 014801, dated June 29, 1911  
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. 175, in  
unsurveyed Section 2, Township 14 N., Range 9 E.,  
unsurveyed Section 3, Township 14 N., Range 9 E.,  
 -----  
 -----  
 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, Chainman  
Charles H. Baech, Chainman  
 -----  
 -----

Subscribed and sworn to before me this 12<sup>th</sup> day of  
November, 1914.

Walter G. Turley  
 Surveyor-Forest Service

OATH OF SURVEYOR

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  
March 23, 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. 3-1013, dated January 18,  
 1911, and a tract of land upon the application of Chauncey C.  
Montgomery, Application No. 155, dated April 8, 1910, for list-  
 ing and patent under the Act of June 11, 1906, the same to be  
 known as Homestead Entry Survey No. 175, situated within the  
Coconino National Forest, in  
 unsurveyed Section 2, Township 14 N., Range 9 E., and  
 unsurveyed Section 3, Township 14 N., Range 9 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.

*refers to list  
 3-1013  
 also to add  
 land included*

Walter G. Turley  
 Surveyor-Forest Service.

Subscribed and sworn to before me this 16<sup>th</sup> day of  
November, 1914.

My commission expires April 6, 1918 R. B. Callie  
 Notary Public





## COCONINO NATIONAL FOREST

## STATE OF ARIZONA

Chains Applicant for listing, Chauncey C. Montgomery; Application No. 155, dated April 8, 1910; List 3-1013, dated January 18, 1911; H. E. No. 014801, made in the Phoenix Land Office on June 29, 1911, by Chauncey C. Montgomery.

Also a tract of unlisted land adjoining claimant's entry on the West 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. 014801.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 23, 1914, and designated as Homestead Entry Survey No. 175.

Located on unsurveyed land but will probably be, when surveyed, in secs. 2 and 3, T. 14 N., R. 9 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced June 12, 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 upon the verniers of the latitude and declination arcs.

I test the adjustments of the transit and solar attachment and make necessary corrections. The stadia is adjusted to read 1:132.

All distances are horizontal and were reduced from measurements made on the slope with a 400 link steel tape, and a Philadelphia stadia rod, graduated to



Chains feet and hundredths, with target verniers reading to thousandths. The slope angles were determined with a clinometer.

June 12, 1914.

At 9h. 40m., p.m., l.m.t., I observe Polaris at cor. No. 1 of the list survey, which will be cor. No. 1 of this survey, with telescope direct, and mark the direction thus determined with a tack in a stake set 5.00 chs. N. of my station. Lat.  $34^{\circ} 37' 26''$  N., and Long.  $111^{\circ} 22' 49''$  W., deduced from values given in the special instructions of the Surveyor General.

Astron. l.m.t. obsn., June 11, 1914, 33h. 40.0m.

Astron. l.m.t. U.C. Pol., June 11, 1914, 20h. 07.6m.

13h. 32.4m.

23h. 56.1m.

Hour angle of Polaris at obsn., 10h. 23.7m.

Azimuth of Pol. at obsn.,  $00^{\circ} 33' 23''$  E.

June 12, 1914.

At 9h. 51m., p.m., l.m.t., on the same date I again observe Polaris at cor. No. 1 of the list survey which will be cor. No. 1 of this survey with telescope reversed; I mark the direction thus determined with a tack in a stake set 5.00 chs. North of my station.

Astron. l.m.t. obsn. June 11, 1914, 33h. 51.0m.

Astron. l.m.t. U.C. Pol. June 11, 1914, 20h. 07.6m.

13h. 43.4m.

23h. 56.1m.

Hour angle of Pol. at obsn., 10h. 12.7m.

Azimuth of Polaris at obsn.,  $00^{\circ} 37' 01''$  E.

June 12, 1914.



## COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains June 13, 1914.

I set off the Azimuth of Polaris  $00^{\circ} 33-1/2'$  to the W. from her direction at 9h. 40m., p.m., l.m.t., June 12, 1914, and marked upon the ground as heretofore described, and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station.

I also set off the Azimuth of Polaris  $00^{\circ} 37'$  to the W. from her direction at 9h. 51m., p.m., l.m.t., June 12, 1914, and marked upon the ground as heretofore described, and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station. This line falls  $00^{\circ} 00' 38''$  of measured arc, to the West of the first line. I mark the mean with a tack in a stake set 5.00 chs. N. of my station and from the corresponding meridian all the courses of this survey were deflected.

---

Thence N.  $00^{\circ} 27' E.$

On a random.

29.87 To cor. of secs. 2, 3, 34 and 35, Ts. 14 and 15 N., R. 9 E., G. & S. R. B. & M., which is a post 4 ins. sq. and 2-1/2 ft. above ground, and a mound of earth, marked and witnessed as described by the Surveyor General.

---

Thence S.  $00^{\circ} 27' W.$

29.87 To cor. No. 1.

Identical with cor. No. 1 of the list survey which is a post 4 ins. sq. and 2 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a sandstone 24 x 10 x 5 ins., 14 ins. in the ground, over a small stone marked with a cross, marked



Chains

(+) at the point and 1-HES175 on the SSW. face, and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course, 7-ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. SSW. of cor., from which:

A pine 15 ins. dia., scribed 1 H E S 175 + B T, bears S. 85° 45' W., 247 lks. dist.

A pine 20 ins. dia., scribed 1 H E S 175 + B T, bears S. 00° 30' W., 193 lks. dist.

Latitude of cor. No. 1, 34° 37' 26" N., and Long. 111° 22' 49" W., deduced from values given in the special instructions of the Surveyor General.

I observe the magnetic declination of cor. No. 1 to be 15° 15' E. at 8h. 02m., a.m., l.m.t., which reduced gives a mean magnetic declination of 15° 11' E.

Thence S. 37° 35' E.

Over grass covered bottom in open; along wire fence.

41.53 To cor. No. 2.

Identical with cor. No. 4 of the list survey which is a post 4 ins. sq. and 2 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a basalt stone 25 x 14 x 7 ins., 15 ins. in the ground, over a small stone marked with a cross, marked (+) at the point and 2-HES175 on the WNW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, WNW. of cor., from which:

A pine 14 ins. dia., scribed 2 H E S 175 + B T, bears N. 12° 15' W., 92 lks. dist.



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains . . . . . A pine 14 ins. dia., scribed 2 H E S 175 + B T,  
bears N. 73° W., 61 lks. dist.

---

Thence S. 86° 22' W.  
Over grass covered bottom, along wire fence in edge  
of timber.

46.73 To cor. No. 3 of the list survey, which is a post 4 ins.  
sq. and 10 ins. above ground, marked and witnessed as  
described by the Forest Service, which cor. I de-  
stroy. At this point I pass from listed to unlisted  
land.

46.74 Wire fence cor., from which fence bears N. and E.

51.52 To cor. No. 3.  
At this point I set a basalt stone 26 x 10 x 10 ins.,  
16 ins. in the ground, over a small stone marked with  
a cross, marked (+) at the point and 3-HES175 on the  
NE. face; and raise a mound of stone 2 ft. base, 1-1/2  
ft. high, NE. of cor., from which:  
A pine 28 ins. dia., scribed 3 H E S 175 + B T,  
bears S. 13° 20' W., 17 lks. dist.  
A pine 24 ins. dia., scribed 3 H E S 175 + B T,  
bears N. 17° 20' E., 66 lks. dist.  
Cor. No. 2 of list 3-1752 bears N. 43° 22' W.,  
6.63 chs. dist.

---

Thence North - - - - -  
Over bottom land, through scattering pine timber.

36.46 To cor. No. 4.  
At this point I set a basalt stone 28 x 10 x 9 ins.,  
18 ins. in the ground, over a small stone marked  
with a cross, marked (+) at the point and 4-HES175



Chains

on the SE. face, and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 8 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft.

high, SE. of cor., from which:

A pine 28 ins. dia., scribed 4 H E S 175 + B T, bears S. 20° 15' E., 108 lks. dist.

A pine 23 ins. dia., scribed 4 H E S 175 + B T, bears S. 82° 15' E., 105 lks. dist.

Thence S. 89° 04' E.

Over grass covered bottom, through scattering timber.

5.26 To cor. No. 2 of the list survey, which is a post 5 ins. sq. and 18 ins. above ground, marked and witnessed as described by the Forest Service, which cor.

I destroy. Leave unlisted land and continue along list 3-1013.

5.27 Wire fence cor., from which fence bears S. and E.

21.50 Ranch road, bears NW. and SE.

26.24 To cor. No. 1, the place of beginning.

The sun was obscured at apparent noon, therefore a latitude observation was not possible.

AREA.

Area of list 3-1013	117.98 acres
Area of unlisted land	18.22 acres
Total area	136.20 acres

IMPROVEMENTS.

The improvements made upon and for the benefit of this homestead consist of the following:



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains A two room, 1-1/2 story log house, 30 x 20 ft., the long side of which bears E. and W. and the NE. cor. of which bears S. 09° 15' W., 1.34 chs. dist. from cor. No. 1.

Value ----- \$600.00

A well 4 x 4 x 50 ft. deep, the center of which bears S. 02° 50' E., 2.50 chs. dist. from cor. No. 1.

Value ----- \$150.00

Approximately 2 miles of barbed wire fence.

Value ----- \$200.00

Approximately 15 acres plowed and planted.

Value ----- \$ 75.00

DESCRIPTION.

This claim is situated on the Mogollon mesa at an elevation of approximately 7,100 ft. The land is level with a gentle SE. slope draining into Willow Creek. The soil is dark loam in character and very fertile. There is sufficient subsurface water for domestic purposes at a depth of from 10 to 50 ft., and crops are raised without irrigation. There is a small amount of timber of poor quality included, along the West side. I saw no indication of mineral upon this claim.

\* CONFLICTS AND ADJOINING CLAIMS.

Cor. No. 2 of list 3-1752 bears N. 43° 22' W., 6.63 chs. dist. from cor. No. 3 of this survey.

Camp Verde postoffice is 27 miles in a Westerly direction and is reached by 55 miles of wagon road. Flagstaff, on the Santa Fe railroad is 60 miles by wagon road in a Northerly direction.



84

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains	Cors.	Course	Dist.	N	S	E	W
1-2	S.	37° 35' E.	41.33		32.75	25.21	
2-3	S.	86° 22' W.	51.52		3.26		51.42
3-4	-North	-----	36.46	36.46			
4-1	S.	89° 04' E.	26.24		0.43	26.24	
			155.55	36.46	36.44	51.45	51.42
				<u>36.44</u>		<u>51.42</u>	
Error in Lat. and Dep.				.02		.03	
Closing error 1:4314.							

*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.

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.

Chauncey C. Montgomery - Cocconino

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 175, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 37° 35' E.	41.33		32 75 <sup>6</sup>	25 21 <sup>0</sup>	51 42 <sup>3</sup>	77 68	2544	80
2-3	S. 86° 22' W.	51.52		3 26 <sup>7</sup>		51 42	51 45	168	24
3-4	North	36.46	36 46			0 00	01		
4-1	S. 89° 04' E.	26.24		43	26 24		26 24	11	28
		155.55	36 46	36 44	51 45	51 42		2724	32
			36 46	36 46	51 44	51 44		2723	36
								Area	136.20A.

Closing error 1:4314

85







APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, May 29, 1916.

The foregoing field notes of Homestead Entry Survey No.

175

-----  
-----  
-----  
-----  
-----  
-----  
-----  
-----  
-----  
executed by Walter G. Turley, Surveyor-Forest Service  
under his special instructions, dated March 23, 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.

  
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.