

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

AN 3-1916

MAR 12 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 307

SITUATED IN THE

CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 22, unsurveyed, Township 23 S., Range 16 E.

Section 23, unsurveyed, Township 23 S., Range 16 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor - Forest Service

Under special instructions dated October 17, 1914 ✓

Survey commenced January 9, 1915

Survey completed January 11, 1915

Under Acts of June 11, 1906 and June 30, 1914 ✓

Applicants for listing R. R. Everhart, Earnest Searles,

Residence Mowry, Arizona.

Application No. 185 ✓, dated February 25, 1911 ✓

Application No. 330, dated January 9, 1914

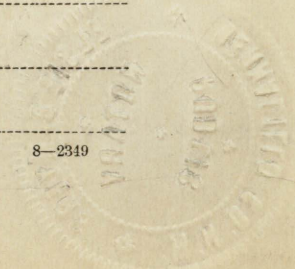
List No. 3-1247 ✓, dated April 21, 1911 ✓

Applicant for survey Earnest Searles,

Residence Mowry, Arizona.

H. E. No. 017205 ✓, dated April 10, 1912

Land district Phoenix, Arizona



100

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. 307, in
unsurveyed Section 22, Township 23 S., Range 16 E.,
unsurveyed Section 23, Township 23 S., Range 16 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 Surveyor.

Charles D. Hodson, Chainman
Charles E. Beechey, Chainman

Subscribed and sworn to before me this 21st day of
January, 1915.

Walter G. Turley
Surveyor - Forest Service

OATH OF SURVEYOR

I, Walter G. Turley, Surveyor - Forest Service, do solemn-
ly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for Arizona, dated
October 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. 3-1247, dated April 21,
1911, and a tract of land upon the application of Earnest Searles,
Application No. 330, dated January 9, 1914, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 307,
situated within the CORONADO National Forest, in
unsurveyed Section 22, Township 23 S., Range 16 E. and
unsurveyed Section 23, Township 23 S., Range 16 E.
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.

Walter G. Turley
Surveyor - Forest Service

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

Elsie C. Myers
Notary Public



HOMESTEAD ENTRY SURVEY NO. 307

1.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, R. R. Everhart; Application No. 185, dated February 25, 1911; List No. 3-1247, dated April 21, 1911; Homestead Entry No. 017205, made in the Phoenix Land Office on April 10, 1912, by Earnest Searles, whose post office address is Mowry, Arizona. Also a tract of land adjoining claimant's entry on the South was included in this survey. Application No. 330, dated January 9, 1914. The land is agricultural in character, was desired by the claimant, and will be listed as a basis for amendment of H. E. 017205. Surveyed under Acts of June 11, 1906 and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated October 17, 1914, and designated as Homestead Entry Survey No. 307. Situated in what will probably be, when surveyed, secs. 22 and 23, T. 23 S., R. 16 E., Gila and Salt River Base and Meridian, within the Coronado National Forest, Arizona.

Survey commenced January 9, 1915, and executed with a W. and L. E. Gurley light mountain transit No. 12953, provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite to each other and graduated to single minutes of arc, which is also the 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 wire interval is adjusted to read 1:132.

All distances are horizontal, and were reduced from measurements made directly on the slope, with a standard

Chains 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer the vernier of which reads to degrees; and a Philadelphia stadia rod, graduated to feet and hundredths, provided with two targets, the verniers of which read to thousandths of a foot.

January 9, 1915.

I set up my transit over cor. H-5 of List 3-1247, which is a granite stone 8 x 8 x 4 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 8h. 10m. p.m., l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station, in Lat. 31° 24' 56" N., and Long. 110° 40' 43" W.

Astron. l.m.t., obsn., January 9, 1915, 8h. 10.0m.
 Astron. l.m.t., U.C. Pol., Jan. 9, 1915, 6h. 15.1m.
 Hour angle Pol. at obsn., 1h. 54.9m.
 Azimuth Pol. at obsn., 0° 39' 00" W.

With my transit set up over cor. H-5 of List 3-1247, heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 18m. p.m., l.m.t., on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. l.m.t., obsn., January 9, 1915, 8h. 18.0m.
 Astron. l.m.t., U.C. Pol., Jan. 9, 1915, 6h. 15.1m.
 Hour angle Pol. at obsn., 2h. 02.9m.
 Azimuth of Pol. at obsn., 0° 41' 30" W.
 January 9, 1915.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains January 11, 1915.

I turn off $0^{\circ} 39'$, the azimuth of Polaris, to the E. from her direction at 8h. 10m. p.m., l.m.t., January 9, 1915, and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

I also turn off $0^{\circ} 41\text{-}1/2'$, the azimuth of Polaris, to the E. from her direction at 8h. 18m. p.m., l.m.t., and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. This line falls $0^{\circ} 00' 08''$ of measured arc to the W. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

Latitude $31^{\circ} 24' 46''$ N. and Longitude $110^{\circ} 39' 47''$ W. at $1/4$ cor. to secs. 19 and 24, T. 23 S., Rs. 16 and 17 E., taken from the special instructions of the Surveyor General, which reduced gives Latitude $31^{\circ} 24' 56''$ N. and Longitude $110^{\circ} 40' 43''$ W. at cor. No. 1 of this survey. It was not practicable to check the Latitude by direct observation.

My watch is set for standard 105th. meridian time, from which I subtract 22m. 43s. for l.m.t.

Observed magnetic declination at 8h. 00m. a.m., January 11, 1915, at cor. No. 1 of this survey, $13^{\circ} 50'$ E., which gives a mean magnetic declination of $13^{\circ} 49'$ E.

Chains TIE

Thence N. 76° 29' W. On a random line by direct measurement from 1/4 cor. to secs. 19 and 24, T. 23 S., Rs. 16 and 17 E., which is a sandstone 10 x 6 x 6 ins. above ground, chiseled 1/4 on W. face, with mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., from which:

A 9 in. oak, scribed 1/4 S 19 B T, bears N. 42° 45' E., 59 lks.

A 26 in. oak, scribed 1/4 S 24 B T, bears N. 34° 00' W., 18 lks.

73.62 Fall 16 lks. to right of cor. H-5 of List 3-1247, and H-7 of List 3-3262, hereinafter described.

Return course S. 76° 36' E., 73.62 chs.

BOUNDARIES OF CLAIM.

Beginning at cor. No. 1.

Identical with cor. H-5 of List 3-1247, also cor. H-7

of List 3-3262, which is a granite stone 8 x 8 x 5 ins.

above ground, marked and witnessed as described by the

Forest Service. I destroy cor. H-5 and its witnesses;

and for cor. No. 1 of this survey, I chisel (+) on a

stone 4 x 3 x 2 ins., and deposit it 14 ins. in the

ground; over which I set a quartzite stone 24 x 9 x 5

ins., 14 ins. in the ground, chiseled (+) at the point

and 1 - H E S 307 on the WSW. face; and raise a mound

of stone 2 ft. base, 1-1/2 ft. high, WSW. of cor.,

from which:

A 5 in. black oak, scribed 1 H E S 307 + B T,

bears S. 58° 30' W., 24 lks.

A 5 in. white oak, scribed 1 H E S 307 + B T,

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

bears N. 47° 30' W., 34 lks.

Thence S. 39° 16' W. Along line H-7 - H-6, of List 3-3262.

Asc. NE. slope 15 ft. in oak brush.

1.50 Point of mesa, bears E. and W. Desc. S. slope 20 ft.

10.16 Mowry - San Rafael road, bears E. and W.

15.31 Arroyo, 100 lks. wide, banks 2 ft. high, course SE.

Asc. NE. slope 5 ft.

16.35 Cor. fence; fence bears SE. and along line.

20.01 To cor. No. 2.

Identical with cor. H-4 of List 3-1247, which is a

granite stone 8 x 8 x 4 ins. above ground, marked and

witnessed as described by the Forest Service. I de-

stroy cor. H-4 and its witnesses; and for cor. No. 2

of this survey, I chisel (+) on a stone 4 x 3 x 2 ins.

and deposit it 16 ins. in the ground; over which I set

a limestone 26 x 12 x 6 ins., 16 ins. in the ground,

chiseled (+) at the point and 2 H-E S 307 on the N.

face; and raise a mound of stone 2 ft. base, 1-1/2 ft.

high N. of cor., from which:

A 5 in. black oak, scribed 2 H E S 307 + B T,

bears N. 76° 45' W., 9 lks.

A 5 in. black oak, scribed 2 H E S 307 + B T,

bears N. 8° 40' W., 43 lks.

Cor. H-6 List 3-3262, bears S. 39° 16' W.,

1.68 chs.

Cor. H-3 of List 3-1247, which is a granite

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

and witnessed as described by the Forest

service, bears N. 59° 49' W., 16.05 chs.

from cor. No. 2 of this survey. I destroy

Chains	all trace of this list corrected
	<p>Thence N. 69° 17' W.</p> <p>Leave listed land. Asc. oak covered gentle NE. slope 10 ft.</p>
51.24	Wire fence bears E. and W.
53.44	Wire fence bears NW. and SE. Asc. steep NE. slope 20 ft.
58.54	<p>To cor. No. 3.</p> <p>Identical with cor. H-2 of List 3-1247, which is a granite stone 12 x 4 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and for cor. No. 3 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 16 ins. in the ground; over which I set a quartzite stone 26 x 12 x 6 ins., 16 ins. in the ground; chiseled (+) at the point and 3 - H E S 307 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor., from which:</p> <p>A 5 in. black oak, scribed 3 H E S 307 + B T, bears N. 58° 10' E., 21 lks.</p> <p>A 4 in. black oak, scribed 3 H E S 307 + B T, bears N. 31° 30' W., 23 lks.</p>
	<p>Thence N. 27° 50' W.</p> <p>Over listed land. Desc. NE. slope 15 ft. in oak brush.</p>
1.26	Wire fence bears E. and W.
5.96	Wire fence bears NE. and SW.
7.29	Right bank arroyo, course SE.
10.50	Right bank arroyo, course S. Asc. open bottom 5 ft.
19.21	Wire fence bears NE. and SW.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains
19.96

To cor. No. 4.

Identical with cor. H-1 of List 3-1247, which is a quartzite stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses; and, for cor. No. 4 of this survey, I chisel (+) on a stone 4 x 3 x 3 ins. and deposit it 16 ins. in the ground, over which I set a quartzite stone 26 x 12 x 6 ins., 16 ins. in the ground; chiseled (+) at the point and 4 - H E S 307 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor., from which:

- A 5 in. black oak, scribed 4 H E S 307 + B T, bears N. 78° 00' W., 178 lks.
- A 7 in. black oak, scribed 4 H E S 307 + B T, bears N. 13° 05' E., 7 lks.
- U. S. M. M. No. 3 P. M. D. bears N. 80° 46' W., 49.92 chs. (See page 9 herein.)

Thence S. 73° 24' E.

Over open bottom.

- 1.05 Fence bears NE. and SW.
- 1.85 Fence bears NW. and SE.
- 4.65 Right bank arroyo, 2 ft. high, course S.
- 4.90 Left bank arroyo, 2 ft. high, course S.
- 5.65 Mowry - San Rafael road, bears NW. and SE.
Leave bottom, bears NW. and SE. Asc. S. slope
10 ft. in oak brush.
- 25.05 Cease ascending and desc. gentle E. slope in oak brush 30 ft.
- 80.05 To cor. No. 1, the place of beginning.

Chains

AREA

Unlisted Area - - - - - 7.72 acres
 Listed Area - - - - - 104.83 acres
 Total Area - - - - - 112.55 acres

IMPROVEMENTS

The improvements made upon this claim consist of the following:

An adobe dwelling 18 x 14 ft., the long side extending N. and S. and the NW. cor. of which bears S. 49° 35' E., 6.92 chs. from cor. No. 4 of this survey.

Estimated value ----- \$150.00

A frame shed, 16 x 12 ft., the long side extending N. and S. and the NW. cor. of which bears S. 44° 15' E., 7.46 chs. from cor. No. 4 of this survey.

Estimated value ----- \$ 50.00

Approximately 1-1/2 miles of wire fencing.

Estimated value ----- \$150.00

Approximately 4 acres of cultivated land.

DESCRIPTION.

This claim is situated on the E. slope of the Patagonia Mountains at an elevation of approximately 5300 ft. and is valuable for stock raising.

Oak brush on the slopes is the only timber on the claim. Water flows in the arroyo a portion of the time. The remainder of the year it is hauled for domestic purposes.

The bottom soil is a sandy loam and produces the ordinary crops of the temperate zone. Good crops of small grains have been produced without irrigation.

The mountains immediately West of this claim are mineralized, but no townsites, mining, coal or oil

HOMESTEAD ENTRY SURVEY NO. 307

CORONADO NATIONAL FOREST

9.

STATE OF ARIZONA.

Chains

claims are known to have been located in conflict with this homestead.

Mowry, Arizona, the nearest post office, is one mile by road in a northwesterly direction. Patagonia, Arizona, railway station, is 13 miles by road in a northwesterly direction.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. List 3-3262, Charles A. Bronson joins this claim on the east.

Note: From Cor. No. 4 of this survey, 1 run N. 80° 46' W.

On a true line by direct measurement.

49.92

To U. S. M. M. No. 3, Patagonia Mining District, which is a post 6 x 6 x 6 ft. above ground, and mound of stone 10 ft. base and 6 ft. high, scribed U S M M No III P M D, whence:

A 10 in. oak, scribed U S M M No III P M B T, bears S. 4° 00' E., 129 lks.

A 14 in. oak, scribed U S M M No III P M B T, bears N. 60° 00' E., 208 lks. dist.

The other two witness trees described by the Surveyor General have been destroyed. This M. M. was established in 1886.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 39° 16' W.	20.01		15.49		12.66
2-3	N. 69° 17' W.	58.54	20.71			54.75
3-4	N. 27° 50' W.	19.96	17.65			9.32
4-1	S. 73° 24' E.	80.05		22.87	76.71	
		178.56	38.36	38.36	76.71	76.73
				38.36		76.71
				.00		.02
Error in Lat. and Dep.						

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CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Closing error 1:8928.

Survey completed January 11, 1915.

Walter G. Turley

Surveyor - Forest Service

There are no conflicts. List 3-3883, Charles A. Bronson joins this claim on the east.

Note: From Cor. No. 4 of this survey, 1 km. N. 80° 46' W. 1.800

On a true line by direct measurement. To U. S. M. M. No. 3, Patagonia Mining District, which is a post 6 x 6 x 6 ft. above ground, and mound of stone 10 ft. base and 6 ft. high, scribbled U. S. M. M. No. III R. M. D. whence.

A 10 in. oak, scribbled U. S. M. M. No. III R. M. D. bears S. 4° 00' E., 122 like.

A 14 in. oak, scribbled U. S. M. M. No. III R. M. D. bears N. 60° 00' E., 308 like, dist.

The other two witness trees described by the surveyor General have been destroyed. This M. M. was established in 1886.

Cor.	Course	Dist.	W	E
1-3	S. 39° 16' W.	20.01	13.49	
2-3	N. 69° 17' W.	28.84	20.71	13.66
3-4	N. 27° 50' W.	19.36	14.63	24.78
4-1	S. 73° 24' E.	80.08	22.87	2.33
		178.28	38.36	76.71
			38.36	76.71
			00.	76.71
			00.	00.

Error in lat. and dep.

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. 307, STATE OF ARIZONA, Coronado.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 39° 16' W.	20.01		15 49		12 66	140 78		2180 68
2-3	N. 69° 17' W.	58.54	20 71		54 75		73 38	1519 70	
3-4	N. 27° 50' W.	19.96	17 65		9 32		9 32	164 50	
4-1	S. 73° 24' E.	80.05		22 87	76 71		76 72		1754 59
		178.56	38 36	38 36	76 71	76 73		1684 20	3935 27
			38 36	38 36	76 72	76 72		1684 20	1684 20
	Closing error 1:8928.							Area	20/2251 07
									112 55 acres.

APPROVAL

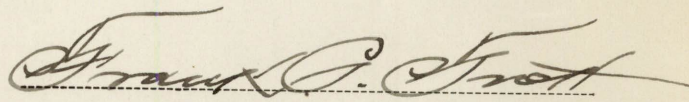
Office of the United States Surveyor General,

Phoenix, Arizona, August 8, 1917

The foregoing field notes of Homestead Entry Survey No.

307

executed by **Walter G. Turley, Surveyor,** [Forest Service Title.]
under his special instructions, dated **October 17, 1914** 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.