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ORIGINAL
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

78-1910

APR-3 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 523

SITUATED IN THE **Coronado** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 23 , unsurveyed, Township 23 S, Range 16 E
In Section 24, unsurveyed, Township 23 S, Range 16 E

of the

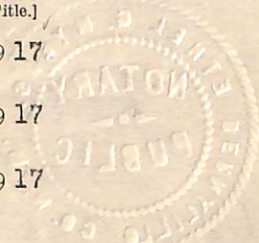
Gila and Salt River Base & Meridian.

State of Arizona

Applicant for listing	Charles A. Bronson
Residence	Mowry, Arizona
Application No. 311	, dated January 13 , 1914
List No. 3-3262	, dated August 10 , 1914

Applicant for survey	C. A. Bronson
Residence	Mowry, Arizona
H. E. No. 026537	, dated May 25 , 1915
Office	Phoenix, Arizona.
Land District	

Survey executed by C.A. Long	Surveyor, Forest Service <small>[Forest Service Title.]</small>
Under special instructions dated March 28	, 1917
Survey commenced May 10	, 1917
Survey completed May 12	, 1917
Under Acts of June 11, 1906, and August 11, 1916	



OATH OF ASSISTANTS

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

C. A. Long
in surveying all those

parts or portions of Homestead Entry Survey No. 523, 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 established, according to the instructions furnished by the United States Surveyor General for Arizona.

Note: It would have been very expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

W. J. ... Chainman

H. Washburn Chainman

Subscribed and sworn to before me this 12th day of May, 1917.

C. A. Long

Surveyor, Forest Service

OATH OF SURVEYOR

I, C. A. Long Surveyor, Forest Service
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated March 28, 1917, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land

List, No. 3-3262, dated August 10, 1914, for PATENT, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 523, situated within the Coronado National Forest, in unsurveyed Section 23, Township 23 S, Range 16 E, and unsurveyed Section 24, Township 23 S, Range 16 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.

C. A. Long

Surveyor, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this seventh day of November, 1918.

Estel G. Myers

Notary Public



8-2349

My Commission expires Mar. 17 1921

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Charles A. Bronson; Application No. 311, dated January 13, 1914; List No. 3-3262, dated August 10, 1914; H E 026537 made in the Phoenix Land Office on May 25, 1915 by Charles A. Bronson.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 28, 1917, and designated as Homestead Entry Survey No. 523.

Situated in what will probably be, when surveyed, secs. 23 and 24, T. 23 S., R. 16 E., Gila and Salt River Base and Meridian, within the Coronado National Forest, Arizona.

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

Survey commenced May 10, 1917, 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 500 link steel tape. The slope angles were determined with a clinometer.

May 10, 1917.

At cor. No. 1 hereinafter described at 6h. 53m. 33s. p.m. l.m.t., I observe Polaris with telescope direct reading being an angle of 122° 43' from star to left to a reference mark, 3 miles distant.

Lat. 31° 25' 08" N.; Long. 110° 39' 38" W.
derived from Nogales Quadrangle, U. S. G. S.

Greenwich m.t., U.C. Pol. May 10, 1917. 10h. 18.9m. a.m.

Long. corr. 1.2m.

HOMESTEAD ENTRY SURVEY NO. 523

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains 1.m.t. U. C. Pol., May 10, 1917. 10h. 17.7m, a.m.
+ 12 00.0

Astron. 1.m.t. U.C.Pol. May 9, 1917 22h. 17.7m.

Astron. 1.m.t. of obsn. May 9, 1917 30 53.5

Hour angle 8h. 35.8m

Azimuth of Pol. at obsn. 1° 01' 26" W.

Bearing of reference mark, S. 56° 15' 34" W.

At the same station at 6h. 57m. 53s. p.m., 1.m.t. I again observe Polaris with telescope reversed, reading an angle of 122° 44' from star to left to the same reference mark.

Astron. 1.m.t. U.C. Pol. May 9, 1917 22h. 17.7m.

Astron. 1.m.t. of obsn. May 9, 1917 30h. 57.5m.

Hour angle 8h. 39.8m.

Azimuth of Pol. at obsn. 1° 00' 33" W.

Bearing of reference mark. S. 56° 15' 27" W.

The mean of the two observations gives a bearing of reference mark as S. 56° 15' 30" W. and from the corresponding meridian all the courses of this survey were deflected.

May 11, 1917.

BOUNDARIES OF CLAIMS.

Beginning at cor. No. 1

Identical with cor. H-9 of the list survey, which is a granite stone 4 x 4 x 16 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a porphyry stone 3 x 4 x 6 ins. marked with a + 14 ins. in the ground, over which set a granite stone 8 x 14 x 24 ins. chiseled + for the point and L-H E S 523 on SW. face; raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence;

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains 1 A Black oak 6 ins. dia. bears S. 10° 10' E.
71 lks. dist.

A Black oak 6 ins. dia. bears N. 46° 00' E.
149 lks. dist.

Each blazed and scribed 1-H E S + 525 B T.

The cor. to secs. 13, 18, 19 and 24 which is
a sandstone 7 x 7 x 10 ins. above ground,
firmly set, marked and witnessed as described
by the Surveyor General, bears N. 89° 46' E.
9.93 chs. dist. by direct measurement.

Cor. No. 4-H E S 530 which is an iron post,
.2 ins. dia. .12 ins. above ground, with
brass cap marked 1917 on S. and 4-H.E S
530 in SE. quadrant bears N. 0° 20' E.,
10.09 chs. dist. by direct measurement.

Cor. No. 5-H E S 530 hereinafter described
bears S. 0° 20' W., 10.00 chs. dist. by
direct measurement.

The observed mag. decl. at 8 a.m. is 13° 00' E
which corrected for diurnal change gives
a mean mag. decl. of 12° 57' E.

Lat. 31° 25' 08" N., Long. 110° 39' 38" W., derived
from Nogales Quadrangle, U.S. G. S.

Thence S. 0° 20' W.

Along line 4-3 of H E S 530, desc. 15 ft. to cor. over
gradual S. slope through scattering oak brush along
W. side of wire fence.

0.50 Cross to E. side of wire fence.

9.94 Wire fence bears E. and W. leave E. side of fence.

10.00 To cor. No. 2 of this claim and cor. No. 3 of H E S 530
and on N. boundary of H E S 304.

Identical with cor. H-1 of list 3-3262 and cor. H-2

CORONADO NATIONAL FOREST

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Chains of 3-3335, which is a granite stone 5 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 1 x 2 x 3 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 1917 on S. 2 H E S 523 in NW. quadrant, 3 H E S 530 in NE. quadrant and H E S 304 in South half.

No bearing trees or objects available therefore dig pits 18 x 18 x 12 ins. crosswise on each line N. 0° 20' E. N. 89° 50' W. and S. 89° 50' E., 3-1/2 ft. dist. and raise mounds of earth 4 ft. base, 2 ft. high NE. and NW. of cor. 3-1/2 ft. dist.

Cor. No. 2 of H E S 530 which is also cor. No. 6 of H.E.S. 304, which is a porphyry stone 8 x 12 x 10 ins. above ground, firmly set and marked 2 H E S 530 on NW. face, 6 H E S 304 on SW. face and cc. on W. face bears S. 89° 50' E. 10.00 chs. dist. by direct measurement.

Cor. No. 5 of H E S 304 hereinafter described bears N. 89° 50' W. 10.01 chs. dist.

Thence N. 89° 50' W. of cor. No. 5

Along line 5-6 of H E S 304

Asc. 10 ft. to cor. over gradual S. slope through scattering oak brush and along S. side of wire fence bearing with line.

10.01 To cor. No. 3

Identical with cor. No. 5 of H E S 304 which is a porphyry stone 4 x 12 x 10 ins. above ground firmly set in the ground and marked 5 H E S 304 on SE. face and a + on top. I mark the same stone 3 H E S 523 on NW. face for cor. 3 of the survey.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>No bearing trees or objects available therefore dig pits 18 x 18 x 12 ins. crosswise on this and the succeeding course 3-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NW. of cor. 3-1/2 ft. dist. After careful search no evidence of Cor. H/2 of the list survey could be found.</p> <hr/> <p>Thence S. 0° 01' W.</p> <p>Along line 5-4 of H. E S 304.</p> <p>. Desc. 20 ft. over gradual S. slope through scattering oak brush, and along E. side of wire fence.</p> <p>5.00 Oak brush becomes dense.</p> <p>8.30 Wash 40 lks. wide, course E. Bottom of descent, ascend 50 ft. to cor. over gradual N. slope.</p> <p>12.90 Road bears E. and W.</p> <p>13.50 Begin steep ascent of N. slope.</p> <p>19.75 Top of steep ascent.</p> <p>20.02 To cor. No. 4.</p> <p>Identical with cor. H-3 of the list survey, which is a granite stone, 6 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.</p> <p>Deposit a sandstone 2 x 4 x 4 ins. marked with a + 20 ins. in the ground, over which set a limestone 8 x 8 x 30 ins. chiseled + for the point and 4 H E S 525 on NW. face; raise a mound of stone 4 ft. base, 3 ft. high NW. of cor., whence;</p> <p>A White oak 12 ins. dia. blazed and scribed 4 H E S + 525 B T bears N. 88° 00' W. 236 lks. dist.</p> <p>No other trees or objects available.</p> <p>Cor. No. 4 of H E S 304 which is a porphyry stone 6 x 10 x 10 ins. above ground, firmly set and marked 4 H E S 304 on NE. face bears S. 0° 01' W., 19.90 chs. dist.</p>
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42

Chains by direct measurement.

Thence West.

Ascend 65 ft. along rolling N. slope through dense oak bursh.

0.01 Wire fence bears N. and S.

2.80 Wire fence bears N. 80° 00' E. and S. 80° 00' W.

18.00 Wire fence bears N. 89° 00' W. and S. 89° 00' E.

Top of ascent on N. slope, desc. 65 ft. to cor. along steep NW. slope.

19.93 Wire fence bears N. and S. junction with E. and W. fence is 2 lks. N.

20.10 wire fence bears N. 75° 00' E. and S. 75° 00' W.

22.42 To cor. No. 5.

Deposit a porphyry stone 3 x 3 x 4 ins. marked with a + 12 ins. in the ground, over which set a limestone 8 x 12 x 22 ins. (no larger stone available), chiseled + for the point and 5 H E S 523 on NW. face; raise a mound of stone 4 ft. base 3 ft. high NW. of cor., whence;

A white oak 14 ins. dia. bears N. 88° 30' E. 110 lks. dist.

A white oak 14 ins. dia. bears S. 04° 30' W. 63 lks. dist.

Each blazed and scribed 5 H E S + 523 B T.

Cor. H-4 of the list survey, which is a granite stone 4 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service, bears E. 2.50 chs. dist. I destroy all trace of this list cor.

Line H-4 to H-5 was moved west to bring the claim within limits as to area.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

43

Chains Thence S. 0° 04' E.
Asc. 40 ft. over rolling NW. slope through dense oak brush.

0.40 Wire fence bears E. and W.

4.00 Top of ridge bears E. and W., desc. 10 ft. to cor. over gradual S. slope, oak brush becomes scattering.

9.92 Wire fence bears E. and W.

9.94 To cor. No. 6.
Deposit a porphyry stone 3 x 3 x 5 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 1917 on S and 6 H E S 523 on NW. quadrant, raise a mound of stone 3 ft. base 2 ft. high NW. of cor., whence;
A White oak 16 ins. dia. bears S. 83° 30' W. 143 lks. dist.
A Black oak 10 ins. dia. bears N. 43° 10' W. 63 lks. dist.
Each blazed and scribed 6 H E S + 523 B T.

Cor. H-5 of the list survey, which is a sandstone 6 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service, bears East 2.40 chs. dist. I destroy all trace of this list cor.

Line H-4 to H-5 was moved west in order to bring the area within 160 acres.

Thence West.
Ascend 30 ft. over rolling S. slope through scattering oak brush, along S. side of wire fence.

0.50 Cross to N. side of wire fence.

16.00 Top of ridge bears N. 80° 00' E. and S. 80° 00' W. desc. 60 ft. along N. slope, oak brush becomes dense.

20.50 Draw, course N.

32.00 Bottom of descent, asc. 10 ft. to cor. over gradual NE.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains slope.

43.01 To cor. No. 7.

Identical with cor. H-6 of the list survey, which is a granite stone 6 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a porphyry stone 2 x 2 x 4 ins. marked with a + 15 ins. in the ground, over which set a porphyry stone 12 x 16 x 25 ins. chiseled + for the point and 7 H E S 523 on NE. face; raise a mound of stone 4 ft. base, 5 ft. high NE. of cor., whence;

A Post oak 4 ins. dia. bears S. 55° 40' W. 33 lks. dist.

A Black oak 4 ins. dia. bears N. 16° 00' W. 64 lks. dist.

Each blazed and scribed 7 H E S + 523 B T.

May 11, 1917.

May 12, 1917.

Thence N. 39° 20' E.

Desc. 25 ft. over gradual NE. slope through dense oak brush, along SE. side of wire fence.

1.63 Intersect cor. No. 2 of H E S 307 which is a limestone 6 x 12 x 10 ins. above ground, firmly set and marked 2 H E S 307 on N. face, thence along line 2-1 of H E S 307.

5.80 Wash 20 lks. wide, course E., bottom of descent, asc. 25 ft. over gradual S. slope.

10.10 Road bears NW. and SE.

14.00 Begin steep ascent of SW. slope.

15.20 Top of steep ascent thence over bench land.

17.00 Top of Ridge bears NW. and SE., Desc. 15 ft. to cor. over NE. slope.

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STATE OF ARIZONA

Chains.
21.64

To cor. No. 8

Identical with cor. No. 1 of H E S 307, which is a quartzite stone 9 x 5 x 10 ins. above ground firmly set and marked 1 H E S 307 on W. face and a + on top. I mark the same stone 8 H E S 523 on SE. face; raise a mound of stone 3 ft. base 2 ft. high SE. of cor., whence;

A Black oak 6 ins. dia. bears S. 34° 00' W. 48 lks. dist.

A White oak 8 ins. dia. bears S. 31° 15' E. 52 lks. dist.

Each blazed and scribed 8 H E S + 523.B T.

After careful search no evidence of Cor.H/7 of the list survey could be found.

Thence N. 59° 37' E.

Descend 25 ft. to cor. over rolling land through dense oak brush, along SE. side of wire fence.

- 0.90 Draw, course SE.
 - 14.00 Wash, 30 lks. wide, course S. 75° 00' E.
 - 17.80 Same wash, course N. 15° 00' W.
 - 18.60 Same wash, course East.
 - 21.40 Wash 15 lks. wide, course S. 30° 00' E.
 - 29.00 Draw, course SE. oak brush becomes scattering.
 - 46.02 To cor. No. 9.
- Identical with cor. H-8 of the list survey, which is a granite stone 24 x 14 x 16 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.
- Deposit a porphyry stone 2 x 2 x 3 ins. marked with a + 12 ins. in the ground, over which set a porphyry stone 8 x 14 x 22 ins. (no larger stone available) chiseled + for the point and 9 H E S 523 on S. face; raise a mound of stone 4 ft. base 3 ft. high S. of cor. whence;

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>A White oak 14 ins. dia. bears S. 64° 00' W. 86 lks. dist.</p> <p>A White oak 10 ins. dia. bears N. 65° 45' W. 67 lks. dist.</p> <p>Each blazed and scribed 9 H E S + 523 B T.</p>
	<p>Thence S. 89° 55' E.</p> <p>Along S. side of wire fence, desc. 15 ft. over NE. slope, through scattering oak brush.</p>
0.30	Wash 30 lks. wide, course SE. Bottom of descent, asc. 25 ft. over SW. slope.
6.00	Top of ridge bears NW. and SE. desc. 30 ft. to cor. over rolling land.
7.60	Arroyo 6 lks. wide 4 ft. deep. Course SE.
12.00	Draw, course S. 20° 00' E.
22.09	To cor. No. 1 the place of beginning.

AREA

Total Area - - - - - 159.79 Acres.

IMPROVEMENTS

The improvements made upon this claim and belonging to the claimant herein consist of the following.

An adobe and frame house 12 x 24 ft., course of long sides E. and W. the SW. cor. of which bears N. 48° 15' E., 5.20 chs. dist. from cor. No. 7.

Value - - - - - \$ 75.00

2-1/2 miles of barbed wire fencing.

Value - - - - - \$300.00

DESCRIPTION

This claim is located on rolling mesa land and a series of draws draining in an Easterly direction.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

The soil is a brown sandy adobe, second rate, 10 acres have been cleared of brush and cultivated. The uncultivated land is covered with a dense growth of oak brush.

There is no merchantable timber, mineral or water on the claim.

About 75% of the total area can be farmed.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

This claim is adjoined on the East by H. E. S. Nos. 304 and 530, and on the West by H. E. S. No. 307.

H. E. S. 314 lies about 3/8 mile in a southwesterly direction, and H. E. S. 315 lies about 15 chs. dist. in a southerly direction.

Mowry postoffice is one mile in a westerly direction.

Patagonia, the nearest railway station, is 12 miles in a northwesterly direction and is reached by a good road.

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.	
1-2	S. 0° 20' W.	10.00		10.00		.06	
2-3	N. 89° 50' W.	10.01	.03			10.01	
3-4	S. 0° 01' W.	20.02		20.02		.01	
4-5	West	22.42				22.42	
5-6	S. 0° 04' E.	9.94		9.94	.01		
6-7	West	43.01				43.01	
7-8	N. 39° 20' E.	21.64	16.74		13.72		
8-9	N. 59° 37' E.	46.02	23.28		39.70		
9-1	S. 89° 55' E.	22.09		.03	22.09		
			205.15	40.05	39.99	75.52	75.51
				39.99		75.51	
Error in Lat. and Dep.				.06		.01	

Closing error 1:3374

Survey completed May 12, 1917.

K. C. Long
Surveyor - Forest Service

- DIRECTIONS.—1. Carry out calculation 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. 523, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
1-2	S. 0° 20' W.	10.00		10 00		06	150 94			1509 40		
2-3	N. 89° 50' W.	10.01	03			10 01	140 87	4 23				
3-4	S. 0° 01' W.	20.02		20 02		01	130 85			2620 93		
4-5	West	22.42				22 42	108 42					
5-6	S. 0° 04' E.	9.94		9 94	01		86 01			854 94		
6-7	West	43.01				43 01	43 01					
7-8	N. 39° 20' E.	21.64	16 74		13 72		13 72	229 54				
8-9	N. 59° 37' E.	46.02	23 28		39 70		67 13	1560 77				
9-1	S. 89° 55' E.	22.09		03	22 09		128 91			5 16		
		205.15	40 05	39 99	75 52	75 51		1794 54		4990 43		
			40 01	40 01	75 51	75 51				1794 54		
								20/		3195 89		
	Closing error	1:3374								159.794		159.79 A.

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APPROVAL

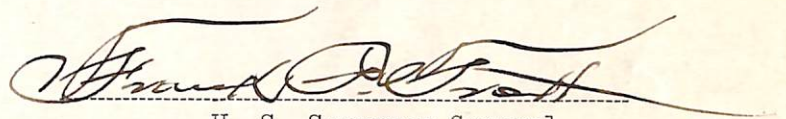
Office of the United States Surveyor General,

Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

523

executed by *C. A. Long, Surveyor* [Forest Service Title.]
under his special instructions, dated *March 28*, 1917, 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.