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ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

179
JAN 17 1916
APR-8 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 529

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 7 , - surveyed, Township 21 S., Range 16 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Corrected p 90

Applicant for listing Jefferson D. Isinhood,
Residence Patagonia, Arizona
Application No. 373 , dated September 12 , 1914
List No. 3-3437 , dated December 15 , 1914

Applicant for survey Jefferson D. Isinhood,
Residence Patagonia, Arizona
H. E. No. 027482 , dated June 1 , 1915
Office
Land District Phoenix, Arizona

Survey executed by C. A. Long, Surveyor - Forest Service
[Forest Service Title.]
Under special instructions dated March 28 , 1917
Survey commenced April 20 , 1917
Survey completed April 30 , 1917
Under Acts of June 11, 1906 and August 11, 1916



OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **529**, 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**

add note -

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.

H. L. Hashburn

Chainman

Henry J. Hiller

Chainman

Subscribed and sworn to before me this **30th** day of
April, 19 **17**.

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 instruc-
tions of the United States Surveyor General for **Arizona**, dated
March 28, 19 **17**, 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. **3-3437**, dated December 15, 1914
and a tract of land upon the application of Jefferson D.
Isinhood, to be listed upon

Application, No. **373**, dated **Sept. 12, 19 14**, for
PATENT, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **529**,
situated within the **CORONADO** National Forest, in
surveyed Section **7**, Township **21 S.**, Range **16 E.**, and
surveyed Section, Township, Range,

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.

C. A. Long

Surveyor-Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **ninth** day of
November, 19 **18**.

Ethel G. Myers

Notary Public



Chains Applicant for listing, Jefferson D. Isinhood; Application No. 373, dated September 12, 1914; List No. 3-3437, dated December 15, 1914; H. E. 027482 made in the Phoenix Land Office on June 1, 1915 by Jefferson D. Isinhood.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry. This is therefore a composite survey. Surveyed under special instructions from the Surveyor General for Arizona, dated March '28, 1917 and designated as Homestead Entry Survey No. 529.

Situated in Sec. 7, T. 21 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 April 20, 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.

April 20, 1917.

At the cor. to Secs. 7, 8, 17 and 18, T. 21 S., R. 16 E., hereinafter described, at 6h. 42m. p. m., l.m.t. I observe Polaris with telescope direct, reading an angle of 35° 18' from star to right to a reference mark about one mile distant.

2.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Lat. $31^{\circ} 37' N.$, Long. $110^{\circ} 44' 36'' W.$, from Patagonia
 Quadrangle U. S. G. S. dated 1878
 Greenwich m.t. U. C. Pol., April 20, 1917 11h. 37.4m.a.m.
 Corr. for Long. 1.2
 1.m.t. U. C. Pol., April 20, 1917 11h. 36.2m.
 Astron. 1.m.t. U.C. Pol., April 19, 1917 = 12h. 00.0
 = 23h. 36.2m.
 Astron. 1.m.t. of Obsn. April 19, 1917 = 30h. 42.0
 Hour angle 7h. 05.8m.
 Azimuth of Pol. at time of obsn. $1^{\circ} 16' 26'' W.$
 Bearing of reference mark $N. 34^{\circ} 01' 34'' E.$
 At 6h. 43m. p.m. I again observe Polaris with the
 telescope reversed, reading an angle of $35^{\circ} 18'$ from
 star to right to the same reference mark.
 Astron. 1.m.t. U. C. Pol. April 19, 1917 23h. 36.2m.
 Astron. 1.m.t. of Obsn. April 19, 1917 30h. 43.0
 Hour angle 7h. 06.8m.
 Azimuth of Pol. at time of obsn. $1^{\circ} 16' 20'' W.$
 Bearing of reference mark $N. 34^{\circ} 01' 40'' E.$

The two observations give a mean bearing of reference
 mark as $N. 34^{\circ} 01' 37'' E.$, and from the corresponding
 meridian all the courses of this survey were deflected.

April 21, 1917.

RETRACEMENTS AND
RESURVEYS

Beginning at the true point for cor. to Secs. 7, 8, 17
 and 18, which is an old mound of stone in the center
 of which I find the end of a decayed oak post. In the
 same place I set a limestone 6 x 6 x 18 ins., 12 ins.
 in the ground, marked 4 notches on S. and 5 notches on
 E. edges; and raise a mound of stone 4 ft. base, 3 ft.
 high W. of cor., whence:

A dead oak 18 ins. dia., marked XVIII bears
 $S. 29^{\circ} 45' W.$, 136 lks. dist. (old B. T.)

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

An old blaze on a white oak 16 ins. dia.,
bears S. 44° 05' E., 85 lks. dist. (Old B T)
(Field notes from Surveyor General record
tree as S. 42° E.)

I witness the cor. as follows:

A black oak 8 ins. dia. blazed and scribed
T 21 S R 16 E S 18 B T, bears S. 41° 00' W.,
20 lks. dist.

A black oak 12 ins. dia., blazed and scribed
T 21 S R 16 E S 17 B T, bears S. 2° 20' E.,
106 lks. dist.

A black oak 18 ins. dia. blazed and scribed
T 21 S R 16 E S 17 B T bears S. 80° 10' E.,
217 lks. dist.

Thence North,

Retracing line bet. Secs. 7 and 8.

40.00 Find no trace of the 1/4 Sec. cor. bet. Secs. 7 and 8.

80.00 Find no trace of the Cor. to Secs. 5, 6, 7 and 8.

120.00 Find no trace of the 1/4 sec. cor. bet. secs. 6 and 5

158.94 Fall 4 lks. W. of the true point for closing cor. bet.
secs. 5 and 6 on Fourth Standard Parallel North, which
I determine by measurement from the old witness trees.
At this point I set a limestone 6 x 14 x 28 ins. 18
ins. in the ground, marked C C on S. and 5 notches on
E. and 1 notch on W. edges; and raise a mound of stone
4 ft. base, 3 ft. high S. of cor., whence:

A black oak 14 ins. dia., blazed but no marks
visible, bears S. 19° 00' E., 35 lks. dist.
(Old B T) (Field notes from Surveyor General
record an oak 12 ins. dia. S. 8-1/2° E. 35 lks.)

A black oak 20 ins. dia., blazed but no marks
visible bears N. 38° 30' W., 80 lks. dist.
(Old B T) (Field notes from Surveyor General
record an oak 13 ins. dia. N. 43-1/4° W. 80 lks.)

Note: Lines run from the above trees on record

HOMESTEAD ENTRY SURVEY NO. 529

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Chains courses would not intersect at the record distances. Cor. was therefore restored from record distances.

I take additional witness trees as follows:

A black oak 14 ins. dia., blazed and scribed
C C T 21 S R 16 E S 5 B T, bears S. 43° 35' E.,
209 lks. dist.

A white oak 12 ins. dia., blazed and scribed
C C T 21 S R 16 E S 6 B T, bears S. 1° 10' W.,
82 lks. dist.

The standard cor. to secs. 31 and 32, T. 20 S.,
R. 16 E., hereinafter described, bears N. 89°
40' E., 8.80 chs. dist.

Thence S. 0° 01' W.

On a true line.

79.37 The proportionate point for Cor. to secs. 5, 6, 7 and 8
as determined from the proportion 159.80:158.94::79.80
: X. Set a temporary point for future reference in
re-establishing the corner.

158.94 The cor. to secs. 7, 8, 17 and 18, heretofore described.
April 21, 1917.

April 22, 1917 - Sunday

April 23, 1917.

Beginning at the cor. to secs. 1, 6, 7 and 12, T. 21 S.,
Rs. 15 and 16 E., which is an oak post 4 x 4 x 36 ins.
badly decayed, no marks visible, set in the ground and
surrounded by a mound of stone. In the same place I
set a limestone 6 x 14 x 24 ins.; 14 ins. in the ground
marked 1 notch on North and 5 notches on South faces.
I place the old cor. post alongside; and raise a mound
of stone 4 ft. base, 3 ft. high W. of cor., whence:

The original witness tree, which is an old
blaze on a white oak 12 ins. dia., no marks vis-
ible owing to decay, bears S. 22° 15' W.,
8 lks. dist. I blaze and scribe the same

HOMESTEAD ENTRY SURVEY NO. 0529

CORONADO NATIONAL FOREST

5.

STATE OF ARIZONA.

Chains	<p>tree T. 21 S., R. 15 E. S 12 B T. (Field notes from Surveyor General record tree as S 20° W. 8 lks) An old blaze on a black oak 10 ins. dia., the marks having been obliterated through decay, bears N. 43° 45' W., 61 lks. dist. (Field notes from Surveyor General record tree as N 45° W. 62 lks) A white oak 14 ins. dia., blazed and scribed T 21 S R 16 E S 6 B T, bears N. 35° 30' E., 59 lks. dist. (new B. T.) Thence East (Record course N. 89° 52' E) On a random line bet. secs. 6 and 7.</p> <p>38.10 Find no trace of the 1/4 sec. cor. bet. secs. 6 and 7.</p> <p>78.10 Find no trace of the cor. to secs. 5, 6, 7 and 8.</p> <p>118.10 Find no trace of the 1/4 sec. cor. bet. secs. 5 and 8.</p> <p>158.10 Find no trace of the cor. to secs. 4, 5, 8 and 9.</p> <p>198.10 Find no trace of the 1/4 sec. cor. bet. secs. 4 and 9.</p>	
235.54	<p>Fall 68 lks. S. of the cor. to secs. 3, 4, 9 and 10, which is a red sandstone 6 x 6 x 8 ins. above ground, firmly set and marked with 5 notches on S. and 3 notches on E. faces; whence: A white oak 14 ins. dia. with traces of the old marks visible, bears S. 47° 15' W., 28 lks. dist. (Field notes from Surveyor General record tree as S. 47° W. 29 lks.) A white oak 14 ins. dia., with traces of the old marks visible, bears S. 75° 00' W., 60 lks. dist. (Field notes from Surveyor General record tree as S. 75-1/2° W. 62 lks.) (Evidently this cor. has been restored from the old bearing tree by a private surveyor.) April 23, 1917</p>	
	<p>April 24, 1917. From the cor. to secs. 3, 4, 9 and 10, heretofore described. Thence S. 89° 50' W. On a true line bet. secs. 4 and 9.</p>	

6.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains
40.00 I again make search for the 1/4 sec. cor. bet. secs. 4 and 9, and find no trace of cor.

80.00 I again make search for the cor. to secs. 4, 5, 8 and 9, and find no trace of cor.

120.00 I again make search for the 1/4 sec. cor. bet. secs. 5 and 8 and find no trace of cor.

158.40 The proportionate point for cor. to secs. 5, 6, 7 and 8, as determined from the proportion:
 $238.47: 235.54 = 160.37: X$
At this point I set a temp. stake for future reference in reestablishing the cor.

235.54 intersect the cor. to secs. 1, 6, 7 and 12, heretofore described.

From the proportionate point on the meridional line set at 79.37 chains S. 0° 01' W., from the Closing corner bet. secs. 5 and 6. I run East 81 lks. and intersect a line run North 3 lks. dist. from the proportionate point set at 158.40 chs. S. 89° 50' W. from the cor. to secs. 3, 4, 9 and 10. At this point I set a limestone 6 x 6 x 18 ins. 12 ins. in the ground for cor. secs. 5, 6, 7 and 8, marked with 5 notches on the East and South edges; and raise a mound of stone 4 ft. base, 3 ft. high West of cor. and take the following witness trees:

A white oak 10 ins. dia., blazed and scribed
T 21 S R 16 E S 6 B T, bears N. 78° 00' W.,
25 lks. dist.

A white oak 14 ins. dia., blazed and scribed
T 21 S R 16 E S 5 B T, bears N. 23° 20' E.,
95 lks. dist.

A lookout tower on Santa Rita Peak, bears N. 54° 00' W.

Chains

The SW. Cor. of Camp Crittenden military Reservation, a wooden post 4 x 4 x 36 ins. above ground, marked and witnessed as described by the surveyor General, bears N. 9° 47' W., approximately 18 chs.

Beginning at the Cor. to secs. 5, 6, 7 and 8, heretofore described.

Thence S. 89° 49' W.

On a true line bet. secs. 6 and 7.

39.51 The proportionate point for 1/4 sec. cor. bet. secs. 6 and 7 as determined from the proportion:
 $78.10:77.14 = 40.00: X.$

At this point I set a quartzite stone 12 x 12 x 16 ins. 10 ins. in the ground marked 1/4 on north face; and raise a mound of stone 4 ft. base, 3 ft. high north of cor.

I continue on course and at

77.14 intersect the cor. to secs. 1, 6, 7, and 12, heretofore described.

From the cor. to secs. 5, 6, 7 and 8, heretofore described.

Thence N. 0° 34' W.

On a true line bet. secs. 5 and 6.

39.78 The proportionate point for 1/4 cor. bet. secs. 5 and 6, as determined by the proportion:
 $79.80:79.37 = 40.00: X.$

At this point I set a limestone 8 x 10 x 16 ins. 10 ins. in the ground, marked 1/4 on West face; and raise a mound of stone 4 ft. base, 3 ft. high West of cor., whence:

8.

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Chains

A white oak 12 ins. dia., blazed and scribed
1/4 S 6 B T, bears N. 46° 30' W., 73 lks.
dist.

A white oak 14 ins. dia., blazed and scribed
1/4 S 5 B T, bears N. 74° 00' E., 85 lks.
dist.

I continue on course and at
79.37 Intersect the closing corner bet. secs. 5 and 6 on
Fourth Standard Parallel North, heretofore described.

From the cor. to secs. 5, 6, 7 and 8, heretofore de-
scribed.
Thence S. 0° 36' W.

On a true line bet. secs. 7 and 8.
39.785 The proportionate point for 1/4 sec. cor. bet. secs.
7 and 8, At this point I set a quartzite stone
4 x 8 x 16 ins. 10 ins. in the ground, marked 1/4
on West face; and raise a mound of stone 4 ft. base,
3 ft. high West of cor.

I continue on course and at
79.57 Intersect the cor. to secs. 7, 8, 17 and 18, heretofore
described.

April 24, 1917.

April 25, 1917.

Beginning at the Standard Cor. to secs. 31 and 32, T.
20 S., R. 16 E. on the Fourth Standard Parallel North,
which is an oak post 4 ins. dia. badly decayed and
marks nearly obliterated, and witnessed as described
by the Surveyor General. In the same place I set
a granite stone 12 x 12 x 30 ins., 20 ins. in the
ground, marked S C on North, 5 notches on East and
1 notch on West faces; and place the old post alongside,

Chains and raise a mound of stone 4 ft. base, 3 ft. high North
of cor., whence: . . .
An old blaze on a white oak 10 ins. dia., marks
dimly visible, bears S. 0° 35' W., 11 lks.
dist. (old B. T.) (Field notes from Surveyor
General record tree as South 11 lks.)
An old blaze on a white oak 12 ins. dia., marks
dimly visible, bears N. 10° 15' E., 117 lks.
dist. (Old B. T.) (Field notes from Surveyor
General record tree as N. 15° E. 125 lks.)
An old blaze on a white oak 12 ins. dia., marks
dimly visible, bears S. 78° 30' E., 51 lks.
dist. (Old B. T.) (Field notes from Surveyor
General record tree as S. 75° E. 56 lks.)
A white oak 8 ins. dia., blazed and scribed
T 20 S R 16 E S 32 B T, bears N. 4° 15' E.,
62 lks. dist. (New B. T.)
Thence West
Retracing line along the South bdy. of sec. 31.
8.80 Fall 1 lk. North of the Closing Corner bet. secs. 5 and
6.
39.13 Fall 6 lks. North of the Standard 1/4 sec. cor. on South
bdy. of sec. 31, which is an oak post 4 ins. dia.,
36 ins. above ground, badly decayed and marks nearly
obliterated. In the same place I set a granite stone
10 x 12 x 30 ins., 20 ins. in the ground, marked
S C 1/4 on North face and place the old post alongside,
whence: . . .
An old blaze on a white oak 10 ins. dia. No marks
visible, bears S. 58° 50' W., 22 lks. dist.
(old B. T.) (Field notes from Surveyor General
record tree as S. 45° W. 23 lks.)
An old blaze on a white oak 10 in. dia., no marks
visible, bears S. 54° 15' E., 28 lks. dist.
(old B. T.) (Field notes from Surveyor General
record tree as S. 75° E. 25 lks.)
A white oak 12 ins. dia., blazed and scribed
1/4 S 31 B T, bears S. 76° 30' E., 24 lks.

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Chains dist. (New B.T.)

A white oak 12 ins. dia., blazed and scribed
1/4 S 31 B T, bears N. 49° 00' E., 63 lks.
dist. (New B.T.)

True bearing this half mile N. 89° 55' E., 39.13 chs.
dist.

From the Standard 1/4 sec. cor. on South bdy. sec. 31,
heretofore described.

Thence West

Retracing line along South bdy. of Sec. 31.

39.64 Fall 18-1/2 lks. North of the Standard cor. of T. 20
S., Rs. 15 and 16 E., which is an oak post 5 ins. in
dia., 36 ins. above ground, badly decayed and marks
nearly obliterated, and witnessed as described by the
Surveyor General. In the same place I set a limestone
6 x 12 x 24 ins., 16 ins. in the ground, marked S C
on North with 6 notches on North, East and West faces,
and place the old post alongside. I take new witness
trees in addition to those already existing as follows:

A black oak 6 ins. dia., blazed and scribed T.
20 S., R. 16 E., S. 31 B T; bears N. 77° 30' E.
109 lks. dist.

A white oak 20 ins. dia., blazed and scribed T
20 S R 15 E S 36 B T, bears N. 59° 30' W.,
124 lks. dist.

True bearing of this half mile N. 89° 44' E., 39.64 chs.

From the Standard cor. of T. 20 S., Rs. 15 and 16 E.,
heretofore described.

Thence West

Retracing line on South bdy. of sec. 36, T. 20 S.,
R. 15 E.

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Chains

6.50 Intersect the closing cor. of Ts. 21 S., Rs. 15 and 16 E., which is an oak post 4 ins. dia., 36 ins. above ground, badly decayed and marks nearly obliterated, and witnessed as described by the Surveyor General. In the same place I set a limestone 18 x 24 x 30 ins. 20 ins. in the ground, marked C C on South, with 6 notches on South, East and West faces; and place the old post alongside. In addition to existing bearing trees I take others as follows:

A black oak 6 ins. dia., blazed and scribed
T 21 S R 16 E S 6 B T, bears S. 2° 15' E.,
4 lks. dist.

A black oak 14 ins. dia., blazed and scribed
T 21 S R 15 E S 1 B T, bears S. 79° 00' W.,
22 lks. dist.

Thence South,

Retracing line bet. secs. 1 and 6, T. 21 S., Rs. 15 and 16 E.

39.91 Fall 4-1/2 lks. East of the 1/4 Sec. cor. bet. Secs. 1 and 6, which is an oak post 3 ins. dia., 36 ins. long, badly decayed and marks nearly obliterated and witnessed as described by the Surveyor General. In the same place I set a limestone 14 x 14 x 26 ins. 16 ins. in the ground, marked 1/4 on W. face; and place the old post alongside. In addition to the original witness tree I take others as follows:

A white oak 16 ins. dia. blazed and scribed
1/4 S 6 B T, bears S. 34° 30' E., 96 lks. dist.

A white oak 14 ins. dia., blazed and scribed 1/4
S 1 B T, bears S. 38° 30' W., 46 lks. dist.

True bearing of this half mile is N. 0° 04' E., 39.91 chs.

Chains I move to 1/4 cor.

Thence South,

Retracing line bet. sec. 1 and 6, T. 21 S., Rs. 15 and 16 E.

39.67 Fall 27 lks. West of the cor. to secs. 1, 6, 7 and 12, T. 21 S., Rs. 15 and 16 E., heretofore described.

True bearing of this half mile is No. $0^{\circ} 23' W.$, 39.67 chs.

APRIL 25, 1917.

April 26, 1917.

From the cor. to secs. 1, 6, 7 and 12, heretofore described,

Thence South,

Retracing line bet. secs. 7 and 12.

40.00 Find no trace of the 1/4 sec. cor. bet. secs. 7 and 12.

80.00 Find no trace of the cor. to secs. 7, 12, 13 and 18.

120.00 Find no trace of the 1/4 cor. bet. secs. 13 and 18.

160.52 Fall 307 lks. East of the remains of the cor. to secs.

13, 18, 19 and 24, which is the end of a decayed wooden post in a small mound of stone, and witnessed as described by the Surveyor General. In the same place I set a limestone 10 x 10 x 16 ins., 10 ins. in the ground, marked with 3 notches on North and South faces; and raise a mound of stone 4 ft. base, 3 ft. high W. of cor., whence:

An old blaze on a white oak 10 ins. dia., no marks visible, bears N. $2^{\circ} 40' E.$, 27 lks. dist. I blaze and scribe the same tree
T 21 S R 16 E S 18 B T.

(Field notes from Surveyor General record tree as N. 26 lks.)

Chains
 I find no trace of the S.W. bearing tree.
 A white oak 12 ins. dia., blazed and scribed
 on T 21 S R 15 E S 13 B T, bears N. 74° 00' W.,
 55 lks. dist. (New B.T.)
 A white oak 8 ins. dia., blazed and scribed T
 21 S R 16 E S 18 B T, bears N. 68° 20' E.,
 104 lks. dist. (New B.T.)
 Thence N. 1° 06' E.
 On a true line bet. secs. 13 and 18
 40.135 Again make careful search for the 1/4 sec. cor. bet.
 secs. 13 and 18; finding no trace of it I reestablish
 it on this point as follows:
 Set a limestone 10 x 12 x 20 ins. 14 ins. in the
 ground, marked 1/4 on W. face; and raise a mound of
 stone 4 ft. base, 3 ft. high W. of cor., whence:
 A white oak 16 ins. dia., blazed and scribed
 1/4 S 13 B T, bears N. 15° 00' W., 98 lks. dist.
 A black oak 10 ins. dia., blazed and scribed
 1/4 S 13 B T, bears S. 18° 15' W., 35 lks. dist.
 A black oak 10 ins. dia., blazed and scribed
 1/4 S 18 B T, bears S. 81° 10' E., 99 lks. dist.
 I continue on course and at
 80.27 again make careful search for the cor. to secs. 7, 12,
 13 and 18; finding no trace of it I reestablish it
 at this point as follows:
 Set a limestone 16 x 16 x 18 ins., 12 ins. in the
 ground, marked 2 notches on N. and 4 notches on S.
 faces; and raise a mound of stone 4 ft. base, 3 ft.
 high W. of cor., whence:
 A white oak 10 ins. dia., blazed and scribed
 T 21 S R 15 E S 13 B T, bears S. 89° 00' W.,
 93 lks. dist.
 A white oak 8 ins. dia., blazed and scribed

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CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains
 ... T 21 S R 15 E S 12 B T, bears N. 24° 30' W.,
 ... 26 lks. dist.
 ... A white oak 12 ins. dia., blazed and scribed
 T 21 S R 16 E S 7 B T, bears N. 29° 30' E.,
 ... 95 lks. dist.

Thence N. 1° 06' E.
 On a true line bet. secs. 7 and 12.

40.135 Again make careful search for the 1/4 sec. cor. bet. secs. 7 and 12; finding no trace of it, I reestablish it at this point as follows:

Set a sandstone 12 x 12 x 30 ins., 20 ins. in the ground, marked 1/4 on W. face; and raise a mound of stone 4 ft. base, 3 ft. high W. of cor., whence:
 A white oak 16 ins. dia., blazed and scribed
 1/4 S 7 B T, bears S. 80° 45' E., 28 lks. dist.
 A white oak 14 ins. dia., blazed and scribed
 1/4 S 12 B T, bears N. 20° 30' W. 97 lks. dist.
 A white oak 12 ins. dia., blazed and scribed
 1/4 S 12 B T, bears S. 55° 00' W., 42 lks. dist.
 I continue on course and at

80.27 intersect the cor. to secs. 1, 6, 7 and 12, heretofore described.

April 26, 1917.

April 27, 1917.
 Beginning at the cor. to secs. 7, 12, 13 and 18, heretofore described.
 Thence East (Record course S. 89° 49' E.)
 On a random line bet. secs. 7 and 18.

38.31 Find no trace of the 1/4 sec. cor. bet. secs. 7 and 18.

77.68 Fall 105 lks. S. of the cor. to secs. 7, 8, 17 and 18, heretofore described

Chains Thence S. 89° 13' W.

On a true line bet. secs. 7 and 18.

39.68 The proportionate point for the 1/4 sec. cor. as de-
termined from the proportion 78.31: 77.69 = 40.00: X.
I again make careful search for the 1/4 sec. cor.;
and finding no trace of it I reestablish it at this point
as follows:

Set a limestone 6 x 12 x 18 ins., 12 ins. in the
ground, marked 1/4 on N. face; and raise a mound of
stone 4 ft. base, 13 ft. high N. of cor., whence:

A white oak 20 ins. dia., blazed and scribed
1/4 S 18 B T, bears S. 75° 45' E., 114 lks.
dist.

A white oak 12 ins. dia., blazed and scribed
1/4 S 7 B T, bears N. 38° 45' E., 165 lks.
dist.

77.69 Intersect the cor. to secs. 7, 12, 13 and 18, heretofore
described.

April 27, 1917.

April 28, 1917.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1 and Closing Corner on line bet.
secs. 7 and 8

Deposit a porphyry stone 3 x 3 x 5 ins. marked with a
+ 14 ins. in the ground; over which set a porphyry
stone 7 x 16 x 24 ins., chiseled for the point and
1 H E S 529 on SW. face; and CC. on NW. face; and
raise a mound of stone 4 ft. base, 13 ft. high NW. of
cor., whence:

A white oak 14 ins. dia., bears N. 21° 30' E.,
56 lks. dist.

A black oak 14 ins. dia., bears S. 7° 30' E.

16.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains 171 lks. dist. Each blazed and scribed C C 1 H E S + 529 B T.

The 1/4 sec. cor. bet. secs. 7 and 8, heretofore described, bears N. 0° 36' E., 9.09 chs. dist.

The cor. to secs. 7, 8, 17 and 18, heretofore described, bears S. 0° 36' W., 30.695 chs. dist.

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° 37' 24" N., Long. 110° 44' 36" W., from Patagonia Quadrangle U.S.G.S.

Thence S. 0° 36' W.

Over unlisted land, along line bet. secs. 7 and 8. Desc. 30 ft. along SE. slope, through scattering oak. Wash, 30 lks. wide, course SW. Leave SE. slope, thence over SW. slope.

4.60 Enter listed land, from this point. Cor. H-8 of the list survey, which is a porphyry stone 4 x 6 x 17 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 45° 15' E., 8.90 chs. I destroy all trace of this list cor.

4.80 Arroyo, 6 ft. deep, 20 lks. wide, course SW.

6.30 Road, bears NW. and SE.

8.00 Enter edge of plowed land.

14.80 Leave plowed land.

15.30 Wash, 20 lks. wide, course SE. Bottom of descent. Asc. 10 ft. to cor. over NE slope.

18.50 Wash, 20 lks. wide, course E.

19.10 Cor. H-1, of the list survey, which is a porphyry stone 5 x 8 x 16 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 42° 00' E., 10.00 chs. I destroy all trace of this list cor.

Cor. H-2 of the list survey, which is a porphyry stone 4 x 7 x 14 ins. above ground, marked and

Chains witnessed as described by the Forest Service, bears
 N. 42° 00' W., 13.00 chs. to destroy all trace of this
 list cor. Leave listed and enter unlisted land.
 20.21 To cor. No. 2 and C.C. on line bet. secs. 7 and 8.
 Deposit a porphyry stone 2 x 3 x 3 ins., marked with
 12 ins. in the ground, over which set a porphyry
 stone 6 x 9 x 20 ins. (no longer stone available),
 chiseled for the point and 12 H E S 529 on side facing
 the claim and C C on NW. face; and raise a mound of
 stone 4 ft. base, 3 ft. high NW. of cor., whence:
 A black oak 12 ins. dia., bears N. 67° 30' W.,
 104 lks. dist.
 A white oak 10 ins dia., bears S. 19° 00' W.,
 134 lks. dist.
 Each blazed and scribed C C 2 H E S 529 B T.
 The cor. to secs. 7, 8, 17 and 18, heretofore
 described, bears S. 0° 36' W., 10.45 chs. dist.
 The 1/4 cor. bet. secs. 7 and 8, heretofore de-
 scribed, bears N. 0° 36' E., 29.30 chs. dist.
 Thence N. 45° 28' W.
 Over level bottom land along foot of NE. slope, over
 unlisted land.
 10.50 Wash, 15 lks. wide, course S. 80° 00' E.
 14.50 Same wash, course S. 30° 00' E.
 22.30 S. bank of same wash
 30.40 Same wash, course S. 80° 00' E.
 34.50 Same wash, course S. 30° 00' E.
 43.91 To cor. No. 3.
 identical with cor. H-3 of the list survey, which is
 a porphyry stone 4 x 4 x 16 ins. above ground, marked
 and witnessed as described by the Forest Service. 1

Chained . . . destroy all trace of this list cor. . . .
 . . . Deposit a granite stone 3 x 3 x 3 ins., marked with a
 + 14 ins. in the ground, over which set a porphyry
 stone 6 x 10 x 24 ins., chiseled at fore the point and
 . . . H.E.S. 529 on NE. face; and raise a mound of stone
 4 ft. base, x 3 ft. high NE. of cor., whence:
 . . . A black oak 16 ins. dia., bears S. 58° 30' W.,
 . . . 20 lks. dist. . . .
 . . . A walnut 12 ins. dia., bears East 265 lks. dist.
 . . . each blazed and scribed 3 H.E.S. + 529 B.T.

Thence N. 47° 02' W. . . .
 . . . over unlisted land, through scattering oak and
 . . . across level bottom land.
 5.00 Leave bottom land and follow along foot of steep NE.
 . . . slope.
 12.00 Leave foot of slope and enter bottom land.
 18.10 Cor. H-4 of the list survey, which is a porphyry
 stone 4 x 8 x 15 ins. above ground, marked and wit-
 . . . nessed as described by the forest Service, bears S.
 55° 00' E., 8.00 chs. I destroy all trace of this
 list cor.

Cor. H-5 of the list survey, which is a porphyry
 stone 6 x 6 x 16 ins. above ground, marked and wit-
 . . . nessed as described by the forest Service, bears
 N. 55° 00' W., 12.00 chs., I destroy all trace of
 this list cor.

Leave unlisted and enter listed land.
 18.50 Wash, 60 lks. wide, course N.
 40.00 To cor. No. 4.
 . . . Deposit a porphyry stone 3 x 3 x 4 ins., marked with
 . . . + 26 ins. in the ground over which I set an iron
 . . . post 2 ins. dia., 36 ins. long with brass cap marked

Chains

1917 on S. and 4 H E S 529 on side facing the claim; and raise a mound of stone 4 ft. base, 3 ft. high E. of cor., whence:

A black oak 26 ins. dia., bears N. 53° 30' W., 62 lks. dist.

A black oak 14 ins. dia., bears N. 64° 00' E., 47 lks. dist.

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

Cor. H-6 of the list survey, which is a porphyry stone 4 x 8 x 16 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 47° 20' W., 15.30 chs. I destroy all trace of this list cor.

The metes and bounds portion of this claim had to be cut off at this point. Otherwise the legal subdivisional part, together with the metes and bounds portion would have been in excess of one mile in length.

The entryman was present and was satisfied with the survey as marked upon the ground.

April 28, 1917.

April 29, 1917 - Sunday

April 30, 1917

Thence N. 45° 00' E.

Over bottom land, through scattering oak and walnut, over listed land.

2.40 Road, bears NW. and SE.

5.50 Leave bottom land. Asc. 80 ft. to cor. over steep and rocky SW. slope.

10.00 Leave timber.

11.00 Cor. H-7 of the list survey, which is a porphyry stone 5 x 9 x 17 ins. above ground, marked and witnessed as described by the Forest Service, bears N.

200

20.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains ~~sent~~ $45^{\circ} 15' W.$, 5.13 chs. I destroy all trace of
 this ~~list~~ list cor. ~~enough to launch a claim~~
 Leave listed and enter unlisted land.
 12.43' To cor. No. 5.
 Deposit a porphyry stone 4 x 4 x 5 ins., 26 ins. in
 the ground, over which I set an iron post 2 ins. dia.,
 36 ins. long with brass cap marked 1917 on S. and
 5 H E S 529 on side facing the claim; and raise a
 mound of stone 4 ft. base, 3 ft. high S. of cor.,
 whence ~~enough to launch a claim~~
 Pits impracticable, owing to rocky ground.
 No bearing objects or trees available.
 Cor. No. 3 of HES 528 Brs. $N81^{\circ} 51' W.$ 6.91 chs. by direct measurement
 Thence S. $46^{\circ} 51' E.$
 Desc. 100 ft. to cor. along rolling SW. slope, through
 scattering oak, over unlisted land.
 6.50 Gulch, course S. $20^{\circ} 00' W.$
 16.50 Canyon, course S. $15^{\circ} 00' W.$
 34.00 Canyon, course S. $20^{\circ} 00' W.$
 45.00 Canyon, course S. $25^{\circ} 00' W.$
 49.50 Canyon, course S. $25^{\circ} 00' W.$
 61.00 Canyon, course S. $30^{\circ} 00' W.$
 69.77 To cor. No. 1, the place of beginning.

AREA

Area of <u>listed</u> land	- - - - -	77.39 acres
Area of <u>unlisted</u> land	- - - - -	<u>21.26</u> acres
Total Area	- - - - -	98.65 acres

IMPROVEMENTS

The only improvements upon the metes and bounds portion
 of this claim, is one acre of plowed land.
 The claimant's dwelling and other improvements are
 located on the adjoining portion of claimant's entry,
 described by legal subdivisions.

Chains

DESCRIPTION

This claim is located in a narrow canyon, which is badly cut up by washes. The soil in the canyon bed is a sandy loam, strewn with loose rock and boulders. There is no permanent water on the claim. There is no merchantable timber or evidence of mineral on the claim. There is some scattering scrub oak and walnut on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. The claim is adjoined on the E. by the legal subdivisional portion of claimant's entry, which embraces the SW/4 SW/4 Sec. 8. H.E.S. 528 lies approximately 5.00 chs. NW. of this survey. Camp Crittenden Military Reservation bears NE., approximately 3/4 mile dist. Patagonia, Arizona, post office, trading place and railway point is about 6 miles in a southerly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 0° 36' W.	20.21		20.21		.21
2-3	N. 43° 28' W.	43.91	31.87			30.21
3-4	N. 47° 02' W.	40.00	27.26			29.27
4-5	N. 45° 00' E.	12.43	8.80		8.80	
5-1	S. 46° 51' E.	69.77		47.72	50.90	
		186.32	67.93	67.93	59.70	59.69
				67.93	59.69	
	Error in Lat. and Dep.			.00	.01	

Closing error 1:18632

Survey completed April 30, 1917.

[Signature]
Surveyor - Forest Service

703

December 28, 1918.

I, J. D. Isinhood hereby agree to
 the survey of my homestead, number 529 as made on
30th day of April 1917, by Forest
 Service Surveyor C. A. Long
 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 The
Metes and bounds portion of the list had to be cut off
at the north end in order to keep the claim within the
mile limit. The south boundary of the claim was straight-
ened in order to eliminate unnecessary corners and an ad-
ditional area included along the N. E. boundary.

Mrs. A Isinhood
 Witness

Jefferson D. Isinhood.
 Witness.

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. 529, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.				
01047 1-2	S. 0°36' W.	20.21		20 21		21	119 17		2408 43	
68793 2-3 72577	N. 43°28' W.	43.91	31 87			30 21	.88 75	2828 46		
68157 3-4 72176	N. 47°02' W.	40.00	27 26			29 27	29 27	797 90		
70716 4-5 70716	N. 45°00' E.	12.43	8 80		8 80		8 80	77 44		
68291 5-1 72957	S. 46°51' E.	69.77		47 72	50 90		68 49		3268 34	
		186.32	67 93	67 93	59 70	59 69		3703 80	5676 77	
			67 93	67 93	59 69	59 69			3703 80	
									20)1972 97	
	Closing error	1:18632							98 65	Acres

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 529, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
Traverse of Listed Area												
01047	S. 0° 36' W.	14.50		14 50			15	118 55			1718 98	
66913 74314	N. 42° 00' W.	13.00	9 66			8 70	109 67	1059 41				
70091 71375	N. 45° 30' W.	30.00	21 03			21 40	79 53	1674 11				
64279 76604	N. 40° 00' W.	10.00	7 66			6 43	51 66	395 72				
57358 81915	N. 55° 00' W.	8.00	4 59			6 55	38 66	177 45				
68157 72175	N. 47° 02' W.	21.90	14 93			16 03	16 05	239 79				
70711 70711	N. 45° 00' E.	11.00	7 78		7 78		7 77	60 45				
70401 71019	S. 45° 15' E.	72.75		51 22	51 67		67 13			3435 71		
		181.15	65 65	65 72	59 45	59 26		3606 93		5154 69		
			65 68	65 68	59 36	59 36				3606 93		
								20 /		1547 76		
										77 39		Acres ✓
												FPT

207

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 529, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Closure of Sec. 6									
	N. 0°-23' W.	39.67	39 67			27			
	N. 0-04 E.	39.91	39 91		05				
	East	6.50			6 50				
	N. 89-44 E.	39.64	18		39 64				
	N. 89-55 E.	30.33	04		30 33				
	S. 0-34 E.	79.37		79 37	78				
	S. 89-49 W.	77.14		25		77 14			
		312.56	79 80	79 62	77 30	77 41			
			79 62			77 30			
	Error in Lat. and Dep.		18			11			
	Closing error 1/1482								
Closure of Sec. 7									
	N. 89-49 E.	77.14	25		77 14				
	S. 0-36 W.	79.57		79 57		83			
	S. 89-13 W.	77.69		1 06		77 68			
	N. 1-06 E.	80.27	80 26		1 54				
		314.67	80 51	80 63	78 68	78 51			
				80 51	78 51				
	Error in Lat. and Dep.			12		17			
	Closing error 1/1512								

60x

APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, April 22, 1920

The foregoing field notes of Homestead Entry Survey No.

529

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.