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U. S. DEPARTMENT OF AGRICULTURE

18 8 940

FOREST SERVICE

APR-8 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 532

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 13 , Unsurveyed, Township 24 S., Range 19 E.
In Section 14, Unsurveyed, Township 24 S., Range 19 E.
In Section 23 , Unsurveyed, Township 24 S., Range 19 E.
In Section 24 , Unsurveyed, Township 24 S., Range 19 E.

of the

GILA & SALT RIVER BASE and Meridian.

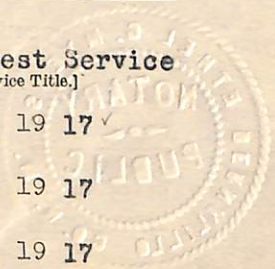
State of

ARIZONA

Applicant for listing Joseph M. Daly
Residence Nogales , Arizona
Application No. 255 , dated Jan. 31 and Nov. 3 , 1913
List No. 3-2969 , dated December 30 , 1913.

Applicant for survey Daniel M. Peeples
Residence Parker Canyon, Arizona
H. E. No. 025707 , dated September 9 , 1914.
Office
Land District Phoenix, Arizona.

Survey executed by C. A. Long, Surveyor - Forest Service
(Forest Service Title.)
Under special instructions dated March 28 , 19 17 ✓
Survey commenced May 23 , 19 17
Survey completed May 23 , 19 17
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. 532, 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

[Signature]
Chainman
[Signature]
Chainman

Subscribed and sworn to before me this 23rd day of May, 1917.

[Signature]
Surveyor - Forest Service,

OATH OF SURVEYOR

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

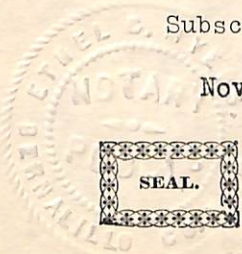
do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated March 28, 1917, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land embraced in List No. 3-2969, dated December 30, 1913, and a tract of land upon Application of Joseph M. Daly,

Application and Patent, No. 255, dated Jan. 31 & Nov. 3, 1913, for Listing under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 532, situated within the CORONADO National Forest, in Unsurveyed Section 13, Township 24 S., Range 19 E., and Unsurveyed Section 14, Township 24 S., Range 19 E., and Unsurveyed Section 23, Township 24 S., Range 19 E., and Unsurveyed Section 24, Township 24 S., Range 19 E., of the GILA & 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.

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

Subscribed and sworn to before me this 29th day of November, 1918.

[Signature]
Notary Public



CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Joseph M. Daly; Application No. 255, dated January 31, 1913 and November 3, 1913; List No. 3-2969, dated December 30, 1913; H. E. 025707 made in the Phoenix Land Office on September 9, 1914, by Daniel M. Peeples.

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. 532.

Situated in what will probably be when surveyed, secs. 13, 14, 23 and 24, T. 24 S., R. 19 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 23, 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 23, 1917.

At International Boundary monument No. 105 hereinafter described, at 6h. 33m. p.m., l.m.t., I observe polaris with telescope direct, reading an angle of 90°

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

37' from star to right to reference mark which is International Boundary post No. 104.

Latitude $31^{\circ} 20' N.$ Longitude $110^{\circ} 23' 24'' W.$, from U. S. G. S. sheet of Hereford quadrangle.

Greenwich m.t. U.C. Pol. May 23, 1917 9h. 27.9m. a.m.

Longitude correction 1.2m.

l.m.t. U.C. Pol. May 23, 1917 9h. 26.7
+ 12h. 00.0

Astron. l.m.t. U.C. Pol. May 22, 1917 21h. 26.7m.

Astron. l.m.t. of obsn. May 22, 1917 30h. 33.0m.

Hour Angle 9h. 06.3m.

Azimuth of Pol. at obsn. $0^{\circ} 53' 49'' W.$?

Bearing of reference mark N. $89^{\circ} 45' 11'' E.$?

At the same point at 6h. 35m. 30s. p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of $90^{\circ} 36'$ from star to right to the same reference mark.

Astron. l.m.t. U.C. Pol. May 22, 1917 21h. 26.7 m.

Astron. l.m.t. of obsn, May 22, 1917 30h. 35.5 m.

Hour Angle 9h. 08.8 m.

Azimuth of Pol. at obsn. $0^{\circ} 53' 11'' W.$

Bearing of reference mark N. $89^{\circ} 42' 49'' E.$

The bearing of line between International Boundary monuments Nos. 105 and 104, as determined by taking the mean of the two observations is N. $89^{\circ} 43' 00'' E.$, and to the corresponding meridian all the courses of the survey are referred.

May 23, 1917.

RETRACEMENT OF INTERNATIONAL BOUNDARY

Beginning at International Boundary monument No. 105, which is an iron post $1-1/2 \times 1-1/2 \times 7$ ft. firmly set on a concrete pedestal marked and witnessed as described by Surveyor General.

0° 54' 06" pass

0° 33' 27" pass

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Thence N. 89° 43' E.

Along International boundary on a random line for distance only.

133.15 Intersect International boundary post No. 104, which is an iron post 1-1/2 x 1-1/2 x 7 ft. firmly set in a concrete pedestal marked and witnessed as described by the Surveyor General.

Return course S. 89° 43' W., 133.15 chains.

May 23, 1917.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1.

Deposit a porphyry stone 2 x 2 x 2 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 L H E S 532 on side facing the claim.

Raise mound of stone, 3 ft. base, 2 ft. high within the claim, whence;

A white oak, 14 ins. dia. bears N. 73° 15' E., 165 lks. dist.

A black oak, 6 ins. dia. bears N. 26° 27' W., 182 lks. dist.

Each blazed and scribed L H E S 532 B T.

International Boundary Post No. 105 heretofore described, bears S. 83° 44' W., 8.69 chs. dist., by traverse which appears at the end of these notes.

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, bears N. 89° 43' E., 11.00 chains dist.

I destroy all trace of this list cor.

Latitude 31° 20' N., Longitude 110° 23' 17" W. from U.

HOMESTEAD ENTRY SURVEY NO. 532
CORONADO NATIONAL FOREST
STATE OF ARIZONA

Chains	S. G. S. sheet of Hereford quadrangle.
-	The observed mag. decl. at 5 p.m. is 13° 00' E., which corrected for diurnal change gives a mean mag. decl. of 13° 01' E.
-	Thence N. 49° 43' E.
-	Over unlisted land, through scattering oak brush. Desc. 75 ft. over NE. slope.
6.00	Wash in draw, 30 lks. wide. Course SE. bottom of descent. Ascend 130 ft. over rough, rocky and rolling land.
26.00	Gulch, course S. 70° 00' E.
30.00	Top of Rocky ridge bears NW. and SE. Desc. 70 ft. over rolling NE. slope.
37.50	Wash 15 lks. wide, course S. 60° 00' E.
39.80	Road bears N. 60° 00' W. and S. 60° 00' E.
48.00	Wash in draw, 15 lks. wide, course S. 20° 00' E., bottom of descent. Ascend 80 ft. to cor. over gradual SW. slope.
54.00	Begin steep ascent of rocky SW. slope.
54.99	To cor. No. 2.
	Point for cor. falls on a sandstone in place showing 2 x 3 x 3 ft. above ground, I chisel same stone + for the point and 2 H E S 532 on side facing the claim, raise a mound of stone 4 ft. base 3 ft. high, south of cor. 3-1/2 ft. distant, whence;
	A black oak, 12 ins. dia. bears N. 81° 43' E. 178 lks. dist.
	A white oak, 8 ins. dia. bears N. 34° 27' W., 25 lks. dist.
	Each blazed and scribed 2 H E S + 532 B T.
	Cor. H-2 of the list survey which is a red granite stone, 4 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 72° 00' E., 7.50 chs.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains dist. I destroy all trace of this list cor.
 Cor. No. 1 H. E. S. 539, an iron post 2 ins. dia.
 12 ins. above ground, with brass cap, marked
 1917 on S. and 1 H E S 539 on N. with mound of
 stone 4 ft. base, 3 ft. high, north of cor.
 bears N. 7° 27' W., 52.71 chs. by traverse
 which appears at end of these notes.

Thence N. 89° 45' E.

Over unlisted land. Ascend 6 ft. over steep rocky
 SW. slope, through scattering oak brush.

0.35 Top of rocky outcrop bears NW. and SE.

Descend 110 ft. over steep rocky east slope.

9.00 Bottom of steep descent, thence over bed of canyon
 descending.

9.85 A 3 inch pipe line, which conveys water to house,
 bears S. 15° 00' E., and N. 15° 00' W.

10.50 Wash in canyon, 100 lks. wide. Course south, bottom
 of descent. Ascend 140 ft. to cor. over gradual W.
 slope.

25.50 Enter gently rolling mesa land.

42.00 To Cor. No. 3.
 Deposit a sandstone 3 x 4 x 4 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 3 H E S 532 on side facing the claim; raise
 a mound of stone 3 ft. base, 2 ft. high 3 1/2 ft.
 dist. within the claim, whence:

A black oak, 8 ins. dia. bears N. 48° 00' W.,
 72 lks. dist.

A black oak, 12 ins. dia. bears S. 60° 23' W.
 135 lks. dist.

Each blazed and scribed 3 H E S + 532 B T.

Chains . . . Cor. H-1 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 Ser-
vice, bears S. 49° 43' W., 3.75 chs. dist. I
destroy all trace of this list cor.

Thence S. 49° 43' W.

Over unlisted land, through scattering oak. Descend
80 ft. to cor. over gently rolling mesa land.

3.75 Leave unlisted and enter listed land.

12.25 Cor. of wire fence bears West 10 lks. from which fence
bears West and S. 49° 43' W.

29.00 Leave mesa and descend along rolling West slope to cor.

55.00 To Cor. No. 4.

Identical with Cor. H-4 of the list survey, which is
a granite stone 4 x 4 x 24 ins. above ground, marked
and witnessed as described by the Forest Service. I
destroy all trace of this list cor. and in the same
place deposit a sandstone 2 x 3 x 3 ins. marked with
a + 24 ins. in the ground, over which set an iron
post 2 in. dia. 36 ins. long, with brass cap marked
1917 on S. and 4 H E S 532 on N.; raise mound of stone
4 ft. base, 3 ft. high, 3 1/2 ft. N. of corner.,
whence :

A black oak 10 ins. dia. bears N. 18° 00' E.,
119 lks. dist.

A black oak 12 ins. dia. bears N. 71° 41' E.,
132 lks. dist.

Each blazed and scribed 4 H E S + 532 B T.

Thence S. 89° 43' W.

Parallel to and 60 ft. N. of International Boundary.

Descend 85 ft. over steep W. slope through scattering
oak brush, along S. side of wire fence 5 lks. dist.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	
4.00	Bottom of steep descent. Thence over mesa land descending.
16.50	Begin steep descent into canyon.
18.50	Bottom of descent, Wash in canyon, 40 lks. wide, a trace of water. Course S. 20° 00' W. Ascend 25 ft. over rolling E. slope.
23.50	Wash 10 lks. wide. Course south.
29.00	Top of ridge bears N. and S. Desc. 35 ft. over steep W. slope.
31.00	Leave listed and enter unlisted land. Leave wire fence bearing N. 49° 43' W.
32.25	Wash 20 lks. wide. Course South, bottom of descent. Ascend 65 ft. to cor. over rolling NE. slope.
42.00	To Cor. No. 1, the place of beginning.

AREA

Area of listed land - - - - -	104.00 acres.
Area of unlisted land - - - - -	44.47 acres.
Total area - - - - -	148.47 acres.

IMPROVEMENTS

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

A galvanized iron store house, 8 x 10 ft. course of long sides, E. and W. The NE. cor. of which bears S. 22° 41' W., 22.30 chs. dist. from Cor. No. 2.

Value - - - - - \$ 25.00

A galvanized iron dwelling house, 18 x 18 ft. course of sides N. and S., the NE. cor. of which bears S. 24° 06' W., 21.10 chs. dist. from cor. No. 2.

Value - - - - - \$150.00

HOMESTEAD ENTRY SURVEY NO. 523

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

A galvanized iron barn, 20 x 50 ft. Course of long sides E. and W. The NE. cor. of which bears S. 23° 48' W., 23.85 chs. dist. from cor. no. 2.

Value - - - - - \$ 75.00

A rock cellar, 8 x 8 ft. course of sides E. and W. The NE. cor. of which bears S. 19° 00' W., 20.15 chs. dist. from cor. no. 2.

Value - - - - - \$ 15.00

About 1 mile of barbed wire fencing.

Value - - - - - \$150.00

800 ft. of 3 inch water pipe, laid to house from spring.

Value - - - - - \$500.00

Total value of improvements - - - - - \$915.00

DESCRIPTION.

This claim is located in a draw draining SW. The soil in the valley is a brown adobe, second rate. About 30 acres are now under cultivation, producing good crops of Beans, Corn and Vegetables. 60 acres of the tract is suitable for farming. The remainder is on rocky hillsides and fit for grazing only.

There is no merchantable timber on the claim.

There is no permanent water on the claim. Water for domestic use and for stock is obtained from a spring north of the claim and is piped to the dwelling.

No indications of mineral were observed on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H E S No. 539 is about 3/4 miles North, and H E S 302 is about 1/2 mile North of the claim.

The nearest trading point and railway station is Nogales, Arizona, about 55 miles west of the claim and is

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

reached by a fairly good wagon road. Parker Canyon, Arizona, the nearest post office, is about 12 miles distant in a northwesterly direction.

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 49° 43' E.	54.99	35.55		41.95	
2-3	N. 89° 43' E.	42.00	.21		42.00	
3-4	S. 49° 43' W.	55.00		35.56		41.96
4-1	S. 89° 43' W.	42.00		.21		42.00
		193.99	35.76	35.77	83.95	83.96
				35.76		83.95
Error in lat. and Dep.				.01		.01

Closing error 1:13717

TIE FROM COR. 1 TO INTERNATIONAL BOUNDARY MONUMENT NO. 105

S. 0° 17' E.	0.91		.91		
S. 89° 43' W.	8.64		.04		8.64
			.95		8.64

Tie is S. 85° 44' W. 8.69 chs.

TIE FROM COR. 2 H E S 532 to COR. 1 H E S 539.

N. 89° 43' E.	0.38			.38	
N. 9° 53' W.	43.33	42.69			7.44
N. 1° 18' E.	9.57	9.57		.22	
		52.26		.60	7.44

Tie is N. 7° 27' W. 52.71 chs.

Survey completed May 23, 1917.

W. J. Long
Surveyor - Forest Service

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

(Note: The following text is a transcription of the mirrored bleed-through from the reverse side of the page. The text is largely illegible due to being upside down and faded. It appears to contain survey details such as bearings, distances, and area calculations.)

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- 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. I. 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. 532, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.		
			NORTH.	SOUTH.	EAST.	WEST.						
1-2	N. 49° 43' E.	54.99 ✓	35 55 ⁵⁶		41 95 ✓		41 95	1491 74 ✓				
2-3	N. 89° 43' E.	42.00 ✓	21 ✓		42 00 ✓		125 90	26 44 ✓				
3-4	S. 49° 43' W	55.00 ✓		35 56 ✓		41 96 ⁷⁵ ✓	125 95 ✓			4478 78 ✓		
4-1	S. 89° 43' W	42.00 ✓		21 ✓		42 00 ✓	42 00 ✓			8 82 ✓		
		193.99 ✓	35 76 ✓	35 77 ✓	83 95 ✓	83 96 ✓		1518 18 ✓		4487 60 ✓		
			35 77 ⁷⁷			83 95 ⁹⁵				1518 18 ✓		
										20/29 69 42 ✓		
										1484 71 ✓	148.47 ✓	
			Closing error 1:13717 ✓									ET

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- 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.
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. _____, STATE OF _____

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
			NORTH.	SOUTH.	EAST.	WEST.							
Traverse of Listed Area													
	N 89° 48' E	32.01	11		52	01	108	19	11	30			
	S 49° 45' W	51.25		33	14		39	10	101	10	3351	46	
	S 89° 45' W	31.00			15		31	00	31	00	4	65	
	N 48° 56' E	50.52	33	19	38	09	53	09	1264	21			
		164.78	33	30	33	29	70	10	70	10	1276	11	
											1276	11	
											20	2080 00	
											104	00	Acres

APPROVAL

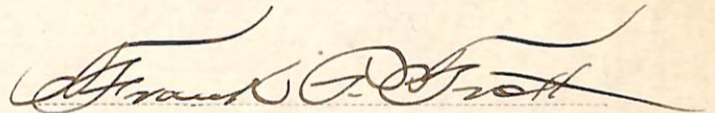
Office of the United States Surveyor General,

Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

532

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.