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ORIGINAL

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Form 85  
Sheet No. 1  
(Revised July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

DEC 17 1919  
MAR - 7 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 569

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 25 , unsurveyed, Township 12 N. Range 7 E.

of the

GILA AND SALT RIVER BASE & Meridian.

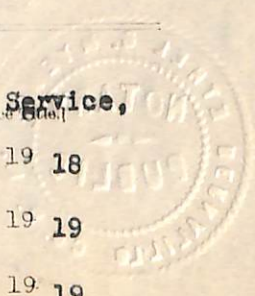
State of

ARIZONA

Applicant for listing Charles Peach ✓  
 Residence Pine, Arizona.  
 Application No. 492 , dated July 1 , 1914 ✓  
 List No. 3-3491 , dated February 6 , 1915 ✓

Applicant for survey Chas. Peach ✓  
 Residence Pine, Arizona.  
 H. E. No. 027810 , dated July 12 , 1915 ✓  
 Land Office , Phoenix, Arizona. ✓

Survey executed by Frank D. Yost, Surveyor - Forest Service, ✓  
 Under special instructions dated February 15 , 1918 ✓  
 Survey commenced March 28 , 1919  
 Survey completed March 28 , 1919  
 Under Acts of June 11, 1906, and October 1 , 1918. ✓



OATH OF ASSISTANTS

We hereby certify that we assisted **Frank D. Yost,**  
**Surveyor - Forest Service,** in surveying all those  
 [Forest Service Title.] parts or portions of Homestead Entry Survey No. **569**, 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.**

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.

*H. E. Brandberry*  
 Chairman

*H. H. Longfellow*  
 Chairman.

Subscribed and sworn to before me this **sixth** day of  
**August**, 1919.

*Frank D. Yost*  
 Surveyor - Forest Service.

OATH OF SURVEYOR

I, **Frank D. Yost,** **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 **February 15, 1, 1918**, 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. 3-3491, dated February 6, 1915, and a tract of unlisted land upon the Application of Charles Peach,

Application No. 492, dated July 1, 1914, for Listing and Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 569, situated within the **TONTO** National Forest, in un surveyed Section **25**, Township **12 N.**, Range **7 E.**, and -- surveyed Section ---, Township ---, Range ---,

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.

*Frank D. Yost*  
 Surveyor - Forest Service,  
 [Forest Service Title.]

Subscribed and sworn to before me this **fifth** day of  
**November**, 1919.

*Ethel G. Myers*  
 Notary Public.



8-2349

My commission expires March 17, 1921

HOMESTEAD ENTRY SURVEY NO. 569

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STATE OF ARIZONA

Chains

Applicant for listing, Charles Peach; Application No. 492, dated July 1, 1914; List No. 3-3491, dated February 6, 1915; H. E. 027810 made in the Phoenix Land Office on July 12, 1915, by Chas. Peach.

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 February 15, 1918, and designated as Homestead Entry Survey No. 569.

Situated in what will probably be when surveyed Sec. 25, T. 12 N., R. 7 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and October 1, 1918.

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Survey commenced March 28, 1919, and executed with a Buff and Buff transit No. 10019, 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.

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March 28, 1919.

At the Cor. of Secs. 19, 24, 25 and 30, T. 12 N., Rs. 7 and 8 E., which will also be Cor. No. 1 of this survey, hereinafter described, I observe the altitude of the sun for azimuth, The reading on the reference

Chains

mark was set at zero and the sun was observed in all four quadrants of the field. My watch is set for local mean time.

Lat. 34° 24' 18" N., Long. 111° 33' 05" W., from Special Instructions from the Surveyor General and later verified.

Telescope	Pos. sun	l.m.t. p.m.	Horizontal Angle	Vertical Angle
Direct	+°	3h 18m 40s	67° 15' 30"	34° 25' 00"
Reversed	⊕	3h 22m 10s	67° 18' 30"	33° 13' 30"
Direct	⊖	3h 20m 00s	66° 50' 30"	34° 12' 00"
Reversed	+°	3h 21m 20s	67° 46' 30"	33° 24' 00"

Bearing of reference mark S. 0° 01' 37" E.

At the same station I again observe the alt. of the sun for azimuth. The reading on the reference mark is set at zero and the sun was observed in all four quadrants of the field.

Telescope	Pos. sun	l.m.t. p.m.	Horizontal Angle	Vertical Angle
Direct	+°	5h 28m 30s	79° 19' 30"	20° 43' 30"
Reversed	⊕	5h 31m 30s	79° 12' 30"	19° 36' 00"
Direct	⊖	5h 29m 30s	78° 53' 00"	20° 33' 30"
Reversed	+°	5h 30m 30s	79° 37' 00"	19° 48' 30"

Bearing of reference mark S. 0° 01' 35" E.

The two obsns. give a mean bearing of reference mark as S. 0° 01' 36" E.

I accept bearing of reference mark as S. 0° 02' E. and to the corresponding meridian all the courses of this survey were referred by sustained angulation.

Note: The courses of this survey were run on an assumed azimuth and subsequently corrected to the meridian as above determined.

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RETRACEMENT

March 28, 1919.

Beginning at the Cor. of Secs. 19, 24, 25 and 30, T. 12 N., Rs. 7 and 8 E., an iron post 4 ins. dia., 36 ins. above ground, with brass cap, marked and witnessed as described by the Surveyor General, surrounded by a mound of stone 4 ft. base, 2-1/2 ft. high. This is also M.P. 57, Black Mesa Forest Reserve  
Thence S. 0° 02' E.

On a random line bet. secs. 25 and 30, N/2, for the 1/4 cor., which is plainly visible.

40.13 The 1/4 cor. bet. Secs. 25 and 30, a malpais stone 12 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.  
True line is S. 0° 02' E., 40.13 chs.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1,

Identical with Cor. of Secs. 19, 24, 25 and 30, T. 12 N., Rs. 7 and 8 E., heretofore described, I adopt this cor. for Cor. No. 1 of this survey, and alongside to SW. in mound of stone surrounding cor., set a grey basalt boulder 24 x 10 x 6 ins. chiseled 1 H E S 569 on SW. face; raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor., whence:

A juniper 12 ins. dia., brs. S. 59° 31' E., 90 lks. dist.

A juniper 12 ins. dia., brs. S. 14° 15' W., 490 lks. dist.

Each blazed and scribed 1 H E S 569 + B T

Lat. 34° 24' 18" N., Long. 111° 33' 05" W., from

Special Instructions from the Surveyor General and later verified.

Magnetic declination at 8 a.m. is 14° 30' E., Mean

Magnetic declination, 14° 27' E.

Chains ✓ Thence S.  $0^{\circ} 02' E.$   
 Along W. bdy. Sec. 30, T. 12 N., R. 8 E., N/2  
 Over level mesa,  
 40.13 ✓ To Cor. No. 2.  
 Identical with the 1/4 cor. bet. Secs. 25 and 30,  
 heretofore described. I chisel same stone + on top  
 for Cor. No. 2 of this survey, and alongside to NW.  
 set a grey basalt stone 22 x 14 x 5 ins. 14 ins. in  
 the ground, chiseled 2 H.E.S 569 on NW. face; raise  
 a mound of stone 3 ft. base, 2 ft. high, NW. of cor.,  
 whence:  
 A juniper 14 ins. dia., brs. S.  $86^{\circ} 08' E.$ ,  
 380 lks. dist.  
 ✓ A juniper 24 ins. dia., brs. S.  $33^{\circ} 17' W.$ ,  
 404 lks. dist.  
 Each blazed and scribed 2 H.E.S 569 + B T

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✓ Thence S.  $89^{\circ} 57' W.$   
 Ascend 30 ft. over gradual E. slope,  
 Along wire fence, inside of line.  
 3.62 SE. cor. of corral, thence along S. side corral.  
 5.59 SW. cor. of corral, leave corral. Continue along fence;  
 fence, inside line.  
 30.08 Cor. H-1 of the list survey, a red malpais stone 20 x 10  
 x 6 ins. above ground, marked and witnessed as de-  
 scribed by the Forest Service, brs. South 4 lks. dist.  
 I destroy all trace of this list cor.  
 ✓ Leave listed and enter unlisted land.  
 38.21 Top of ascent. Cor. wire fence; fences bear N.  $10^{\circ} E.$   
 and N.  $89^{\circ} 57' E.$  along line. Desc. 15 ft. over gen-  
 tle W. slope.  
 39.80 ✓ To Cor. No. 3.  
 Deposit a malpais stone 6 x 3 x 1 ins. marked with a

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+ 20 ins. in the ground, on solid rock, over which set  
an iron post 2 ins. dia., 36 ins. long, with brass cap  
marked 1919 on S. rim and 3 H E S 569 in NE. quadrant,  
surrounded by a mound of stone 3 ft. base, 1 ft. high;  
raise a mound of stone 3 ft. base, 2 ft. high NE. of  
cor., whence:

A juniper 24 ins. dia., brs. S. 59° 24' E.,  
101 lks. dist., blazed and scribed  
3 H E S 569 + B T

No other witnesses available. Pits impracticable.

Thence N. 0° 03' W.,

Over rolling land, thru heavy scrub oak,

40.13

To Cor. No. 4.

Deposit a malpais stone 5 x 4 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 1919  
on S. rim and 4 H E S 569 in SE. quadrant; raise a  
mound of stone 3 ft. base, 2 ft. high, SE. of cor.,  
whence:

A juniper 14 ins. dia., brs. S. 25° 13' E.,  
370 lks. dist.

A juniper 36 ins. dia., brs. S. 63° 01' W.,  
318 lks. dist.

Each blazed and scribed 4 H E S 569 + B T

Thence East,

Over level mesa land,

10.21

Cor. H-2, a red malpais stone 28 x 16 x 8 ins. above  
ground, marked and witnessed as described by the For-  
est Service, bears South 2 lks. dist. I destroy all  
trace of this list cor.

Leave unlisted and enter listed land.



HOMESTEAD ENTRY SURVEY NO. 569

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Chains  
 10.31 Cor. wire fence, bears South 50 lks. dist.; fences  
 bear SW. and East parallel to line.  
 39.82 To Cor. No. 1, the place of beginning.

AREA

Listed area - - - - - 119.81 Acres.  
 Unlisted area - - - - - 39.95 Acres.  
 Total area - - - - - 159.76 Acres.

IMPROVEMENTS

The improvements made upon and for the benefit of this claim and belonging to the claimant herein, consist of the following:

A log house, 16 x 20 ft., the long sides extending E. and W., and the SE. cor. of which bears N. 50° 53' W., 1.98 chs. dist. from Cor. No. 2.

Value - - - - - \$ 400.00

A pole and wire corral, 60 x 130 ft., the long sides extending E. and W., and the SE. cor. of which bears S. 89° 57' W., 3.62 chs. dist. from Cor. No. 2,

Value - - - - - \$ 70.00

Approximately 2 miles of wire fencing,

Value - - - - - \$ 150.00

DESCRIPTION

The claim consists mainly of gently rolling mesa land, sloping gradually to the East. The soil is a reddish brown sandy loam of good depth and very fertile. There is no water on the claim and possibilities of developing water are very unfavorable. Dry farming

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methods are depended upon to raise crops.  
Water for domestic use is hauled from Strawberry Creek about one mile east of the claim.  
There is no commercial timber on the claim.  
I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.  
Strawberry, Arizona, the nearest settlement, lies about 2 miles distant in an easterly direction.  
Pine, Arizona, the nearest trading point and postoffice, is about eight miles distant in a southeasterly direction. The nearest point on the Verde River is approximately 6 miles in a southwesterly direction.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
S. 0° 02' E.	40.13		40.13	.02	
S. 89° 57' W.	39.80		.03		39.80
N. 0° 03' W.	40.13	40.13			.03
East	39.82			39.82	
	159.88	40.13	40.16	39.84	39.83

Error in Lat. and Dep.

40.13  
.03      39.83  
.01

Closing Error, 1:5056

Survey completed March 28, 1919.  
Copy of a signed statement from the claimant agreeing to the changes made in this survey and also agreeing to amend his entry to conform to this survey, is attached to these notes.

*Frank S. Goff*  
Surveyor - Forest Service,

Chains

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88.88	80.	81.88	81.88	81.88	81.88
88.88	80.	81.88	81.88	81.88	81.88
88.88	80.	81.88	81.88	81.88	81.88
88.88	80.	81.88	81.88	81.88	81.88
88.88	80.	81.88	81.88	81.88	81.88

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TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Direct Solar obsn. March 28, 1919 at  
 Cor. No. 1, H. E. S. No. 569.  
 Lat. 34° 24' 18" N., Long. 111° 33' 05" W., from  
 Special Instructions from the Surveyor General and  
 later verified.  
 Elevation approximately 6500 feet.

Telescope	Pos. sun	l.m.t. p.m.	Horizontal Angle	Vertical Angle
Direct	+°	3h 18m 40s	67° 15' 30"	34° 25' 00"
Reversed	+°	3h 22m 10s	67° 18' 30"	33° 13' 30"
Direct	+°	3h 20m 00s	66° 50' 30"	34° 12' 00"
Reversed	+°	3h 21m 20s	67° 46' 30"	33° 24' 00"
Means		3h 20m 32s	67° 17' 45"	33° 48' 37"

Corr. for refr.

1' 02"  
33° 47' 35"

Decl. 2° 51' 40" N.

$$\text{Cos. Q.} = \frac{\sin. 2^\circ 51' 40''}{\cos. 34^\circ 24' 18'' \times \cos. 33^\circ 47' 35''} - \tan 34^\circ 24' 18''$$

$$\times \tan. 33^\circ 47' 35''$$

sin. 2° 51' 40" = 8.6982316

cos. 34° 24' 18" = 9.9164878

cos. 33° 47' 35" =  $\frac{9.9196282}{8.8621156} = \log. .07280$

tan. 34° 24' 18" = 9.8355907

tan. 33° 47' 35" =  $\frac{9.8255989}{9.6611896} = \log. .45834$

Cos. Q. = .38554

Q. = 67° 19' 22"

Bearing of reference mark, S. 0° 01' 37" E.

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Chains Direct solar obsn. cor. No. 1, H. E. S. 569. March 28, 1919.

Telescope	Pos.	l.m.t.	Horizontal Angle	Vertical Angle
Direct	+°	5h 28m 30s	79° 19' 30"	20° 43' 30"
Reversed	.‡	5h 31m 30s	79° 12' 30"	19° 36' 00"
Direct	+°	5h 29m 30s	78° 53' 00"	20° 33' 30"
Reversed	.‡	5h 30m 30s	79° 37' 00"	19° 48' 30"
Means		5h 30m 00s	79° 15' 30"	20° 10' 22"

Corr. for refr. 1' 58" 20° 08' 24"

Decl. 2° 53' 46" N.

$$\text{Cos. } Q. = \frac{\sin. 2^{\circ} 53' 46''}{\cos. 34^{\circ} 24' 18'' \times \cos. 20^{\circ} 08' 24''} - \tan. 34^{\circ} 24' 18'' \times \tan. 20^{\circ} 08' 24''$$

sin. 2° 53' 46" = 8.7035076

cos. 34° 24' 18" = 9.9164878

cos. 20° 08' 24" = 9.9725981 / 8.8144217 = log. .06523

tan. 34° 24' 18" = 9.8355907

tan. 20° 08' 24" = 9.5643581 / 9.3999488 = log. .25116

Cos. Q. = .18593

Q. = 79° 17' 05"

Bearing of Reference Mark, S. 0° 01' 35" E.

- 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. 569, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.				
1 - 2	S. 0-02 E.	✓ 40.13		✓ 40 13 <sup>12</sup>	02 ✓		79 66		✓ 3195 96	
2 - 3	S. 89-57 W.	✓ 39.80		✓ 03 <sup>02</sup>		39 80	39 88		✓ 80	
3 - 4	N. 0-03 W.	✓ 40.13	40 13 <sup>14</sup>	✓		03 <sup>04</sup>	04	1 61	✓	
4 - 1	East	✓ 39.82			39 82 ✓		39 82			
		159.88 ✓	40 13 ✓	40 16 ✓	39 84 ✓	39 83 ✓		1 61 ✓	3196 76 ✓	
			<del>40 14</del>	<del>40 14</del>	<del>39 84</del>	<del>39 84</del>			<u>1 61</u>	
				40 13	39 83					
	Error in Lat. and Dep.			03 ✓	01 ✓				20/3195 15 ✓	
	Closing Error, 1:5056								159 76	Acres. ✓
										J. S.

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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.  
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 569, 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												
	East	29.61			29 61			30 51				
	S. 0-02 E.	40.13		40 13	02			60 14			2413 42	
	S. 89-57 W.	30.08		03		30 08		30 08			90	
	N. 0-39 E.	40.16	40 16		46			45	18 07			
		139.98	40 16	40 16	30 09	30 08			18 07		2414 32	
			40 16	40 16	30 08	30 08					18 07	
											20/2396 25	
											119 81	Acres.
												I. S.

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( Copy )

March 29, 1919.

I, Chas. Peach , hereby agree to the survey of my homestead, number 569 as made on 28th day of March, 1919, by Forest Service Surveyor Frank D. Yost, 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 making my homestead cover the NE. 1/4 of Sec. 25, T. 12 N., R. 7 E., G. & S. R. B. & M., instead of extending in two sections. In other words, moving all lines ten chains west.

(Sgd.) W.E.Childers,

Witness

(Sgd) Chas. Peach

Claimant.



APPROVAL

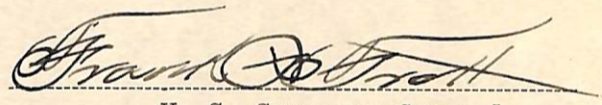
Office of the United States Surveyor General,

Phoenix, Arizona, May 22, 1920

The foregoing field notes of Homestead Entry Survey No.

569

executed by *Frank D. Yost, Surveyor* [Forest Service Title.]  
under his special instructions, dated *February 15*, 1918, 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.