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U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

Jul. 23. 1914

Feb. 1 - 1915

Aug. 2 - 1915

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 105

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Sections 1 & 12, unsurveyed, Township 1 S., Range 15 E.

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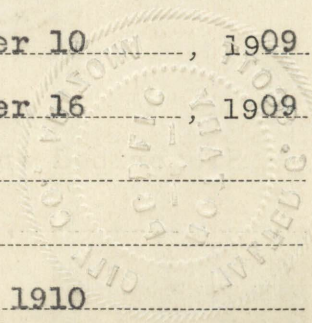
of the

G. & S. R. B. & Meridian.

Arizona

Survey executed by Walter G. Turley, Forest Service Surveyor  
Under special instructions dated October 30, 1913  
Survey commenced December 17, 1913  
Survey completed December 17, 1913  
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing E. W. Hargett  
Residence Globe, Arizona  
Application No. 122, dated September 10, 1909  
List No. 3-321, dated November 16, 1909  
Applicant for survey E. W. Hargett  
Residence Globe, Arizona  
H. E. No. 09118, dated March 31, 1910  
Land district Phoenix, Arizona.





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OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,  
Forest Service Surveyor in surveying all those  
parts or portions of Homestead Entry Survey No. 105, in  
unsurveyed Sections 1 & 12, Township 1 S., Range 15 E.,  
unsurveyed Section - - -, Township - - -, Range - - -,  
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of the G. & S.R.B. & meridian, State of Arizona, which  
are represented in the following field notes as having been  
surveyed by him and under his direction; and that said sur-  
vey has been in all respects, to the best of our knowledge  
and belief, well and faithfully surveyed, and the corner  
monuments established, according to the instructions fur-  
nished by the United States Surveyor General for Arizona.

Note: it would have been  
very inconvenient and ex-  
pensive to appear before  
an officer to administer  
the oaths to assistants,  
hence they were taken by  
the Surveyor.

Benjamin F. Hobourn, Chairman  
John B. Wright, Chairman

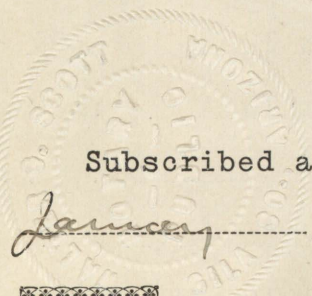
Subscribed and sworn to before me this 30th day of  
December, 1913.

Walter G. Turley  
Forest Service Surveyor

OATH OF SURVEYOR

I, Walter G. Turley, Forest Service Surveyor, do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
October 30, 1913, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, sur-  
veyed a tract of land ~~upon the application of~~ embraced in  
List, No. 3-321, dated November 16 1909, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 105,  
situated within the CROOK National Forest, in  
unsurveyed Section 1 & 12, Township 1 S., Range 15 E., and  
unsurveyed Section - - -, Township - - -, Range - - -,  
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of the G. & S.R.B. & 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 perpet-  
uated in strict accordance with the stated special instruc-  
tions, and in the specific manner described in the field  
notes, and that the following are the original field notes  
of such survey.

Walter G. Turley  
Forest Service Surveyor



Subscribed and sworn to before me this 19th day of

January, 1914.

Walter G. Scott  
Notary Public



My commission expires July 1, 1917



## CROOK NATIONAL FOREST

## STATE OF ARIZONA.

## Chains

Applicant for listing, E. W. Hargett; Application No. 122, dated September 10, 1909; List No. 3-321, dated November 16, 1909; H. E. No. 09118, made at Phoenix, Arizona on March 31, 1910, by E. W. Hargett.

Surveyed under special instructions from the Surveyor General for Arizona, dated October 30, 1913, and designated as Homestead Entry Survey No. 105.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. and Meridian, in what will probably be, when surveyed, Secs. 1 and 12, within the Crook National Forest, Arizona.

Listed under the Act of June 11, 1906, and survey authorized by the Acts of June 11, 1906 and March 4, 1913.

This survey was executed with a W. and L. E. Gurley light mountain transit No. 12953, with vertical circle and Burt solar attachment. The horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment and stadia interval. The stadia is adjusted to read 1;132 and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod, graduated to feet and hundredths with target verniers reading to thousandths.

December 17, 1913.

At 8 h. 00 m. a.m., l.m.t., I set off  $23^{\circ} 19'$  S. on the decl. arc and  $33^{\circ} 22'$  on the lat. arc and determine a meridian with the solar at cor. No. 3 of H. E. S. No.



Chains

102, and my line of sight falls upon the tack in the stake set 4.00 chs. north of my station which marks the meridian as determined by Polaris observations of December 14th and 15th, 1913. Therefore I conclude that my transit is in satisfactory adjustment.

Lat.  $33^{\circ} 22' N.$ , Long.  $110^{\circ} 43' 50'' W.$

Preliminary to the survey of this claim I proceed to cor. H-1 of the list survey and retrace its boundaries in a clockwise direction and calculate its area to be less than 160 acres.

December 17, 1913.

At 8 h. 30 m. a.m., l.m.t., I set off  $23^{\circ} 19' S.$  on the decl. arc and  $33^{\circ} 23'$  on the lat. arc and determine a meridian with the solar at the St. 1/4 Sec. Cor. Sec. 34, T. 1 N., R. 15-1/2 E., which is a quartzite stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence  $S. 1^{\circ} 56' W.$  on a true line.

40.27 To Cor. No. 1.

Identical with cor. H-2 of the list survey, which is a gray granite stone 12 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. This is also cor. No. 2 of H. E. S. No. 102. I destroy all trace of this list cor. and mark 1-HES105 on the S. face of the quartzite boulder 15 x 6 x 10 ins. above ground which I previously set for cor. No. 2 of H. E. S. No. 102, marked 2-HES102 on the SW. face, with a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which:

A cottonwood 30' ins. dia. bears  $S. 24^{\circ} W.$  130 lks.

dist. marked 2 H E S 102 1 H E S 105 B T.

Therefore the St. 1/4 Sec. Cor. Sec. 34, T. 1 N., R.



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TABERO CROOK NATIONAL FOREST

STATE OF ARIZONA.

Chains

15-1/2 E., heretofore described, bears N. 1° 56' E.  
40.27 chs. dist. from cor. No. 1 of this survey.

I observe the magnetic declination at cor. No. 1 of this survey to be 14° 34' E. at 9 h. 00 m. a.m., l.m.t., which reduced by Table G., Manual of 1894, Diurnal Variation in Magnetic Declination, gives a mean magnetic declination of 14° 32' E.

Long. 110° 43' 50" W, as obtained from special instructions from the Surveyor General.

Thence S. 27° 30' E. on a true line.

Descend 20 ft. along SW. slope.

- 9.00 Foot of descent. Ascend W. slope 75 ft. to cor.
- 20.97 Fence, bears NE. and SW.
- 21.00 To cor. No. 2.

Identical with cor. H-4 of the list survey, which is a red sandstone 12 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a schist stone 28 x 10 x 4 ins. 18 ins. in the ground over a small stone marked with a cross (+) for cor. No. 2 of this survey, marked 2-HES105 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor. from which:

Cor. H-2 of H. E. No. 07763, Henry Forester, unsurveyed H. E. S. No. 106, and cor. H-6 of H. E. No. 023264, Charles M. Healy, bears S. 48° 15' W., 6.70 chs. dist.

No other bearings available. Pits impracticable.

Thence S. 49° 32' W. on a true line.

Descend point of ridge 100 ft. to bottom.

- 6.10 Arroyo, 60 lks. wide, course W. Continue across bottom.



Chains

- 9.00 Pinal Creek, 160 lks. wide, banks 1 ft. high, course N.  
Ascend 30 ft. to cor. along E. slope.
- 11.70 Road, bears N. and S.
- 12.20 Fence, bears NE. and SW.
- 13.97 To cor. No. 3.  
Identical with cor. H-1 of the list survey, also cor. H-5 of H. E. No. 023264, Charles M. Healy, which is a granite stone 11 x 5 x 7 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. which refers to this claim, and at this point I set a quartzite boulder 26 x 9 x 9 ins. 16 ins. in the ground over a small stone marked with a cross (+) for cor. No. 3 of this survey, marked 3-HES105 on the N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. N. of cor.  
The improvements are the only bearings available.  
Pits impracticable.
- 
- Thence N. 6° 53' W. on a true line between this claim and H. E. No. 023264, Charles M. Healy. Descend 5 ft. across E. slope of mesa.
- 7.78 Cor. H-4 of H. E. No. 023264, Charles M. Healy. Also fence cor. from which fence bears W. of N. and SSW.
- 9.00 Arroyo, 20 lks. wide, course NE.
- 12.68 Cor. No. 4 of H. E. S. No. 102, which is a quartzite boulder 9 x 5 x 10 ins. out of ground, marked, witnessed and set as described in the field notes thereof.  
Continue along line 4-3 of H. E. S. No. 102.
- 20.23 Fence cor. from which the fence bears E. of S., NW. and ENE. Continue in lane.
- 20.83 To cor. No. 4.  
Identical with cor. H-4 of the list survey, which is a reddish gray quartzite stone 12 x 12 x 8 ins. above



HOMESTEAD ENTRY SURVEY NO. 105

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Chains ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark 4-HES105 for cor. No. 4 on the E. face of the granite boulder 10 x 10 x 10 ins. above ground, which I previously set for cor. No. 3 of H. E. S. No. 102, marked 3-HES102 on W. face, with mound of stone 2 ft. base, 1-1/2 ft. high W. of cor.

No bearings available. Pits impracticable.

Thence N. 25° 58' E.  
 Along line 3-2 of H. E. S. No. 102. Descend 5 ft. to creek.

0.00 Fence, bears NNE. and SSW. Continue in pasture.

3.98 Fence, bears N. and S. Leave pasture.

4.30 Road, bears N. and S.

4.50 Fence, bears N. and S.

5.28 Pinal Creek, 100 lks. wide, banks 2 ft. high, course N. Ascend 25 ft. to cor.

7.78 Cor. No. 1 of this survey, the place of beginning.

Area of Homestead Entry Survey No. 105.

Total Area . . . . . 18.69 acres.

Improvements.

The improvements made upon and for the benefit of this homestead and belonging to E. W. Hargett, the claimant herein, consist of the following:

A frame dwelling 30 x 30 ft. the long side of which bears E. and W. and the SE. cor. of which bears N. 18° 55' E. 11.30 chs. dist. from cor. No. 3 of this survey.

Value . . . . . \$ 350.00

A frame wagon shed 12 x 12 ft. the long side of which bears E. and W. and the SE. cor. of which bears N. 14°



Chains

10' E. 9.40 chs. dist. from cor. No. 3 of this survey.

Value . . . . . \$ 30.00

A frame barn 10 x 20 ft. the long side of which bears N. and S. and the SE. cor. of which bears N. 10° 15' E. 9.50 chs. dist. from cor. No. 3 of this survey.

Value . . . . . \$ 50.00

A frame chicken house 8 x 15 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 10° E. 8.70 chs. dist. from cor. No. 3 of this survey.

Value . . . . . \$ 30.00

A well 4 x 4 x 30 ft. deep, the center of which bears N. 8° 15' E. 7.50 chs. dist. from cor. No. 3. of this survey.

Value . . . . . \$ 50.00

General Description

This homestead is situated on Pinal Creek at an elevation of approximately 3,650 feet and is chiefly valuable for intensive farming. The soil is a sandy loam and produces any crop raised in the temperate zone.

There is believed to be no mineral on this claim.

Globe post office and Arizona Eastern Railway Station is 1-1/2 miles in a northerly direction.

Conflicts and Adjoining Claims.

This homestead entry is joined on the West by H. E. No. 07830 and 023355, A. F. Williams, H. E. S. No. 102, and H. E. No. 023264, Charles M. Healy. There is a hiatus between this claim and H.E. No. 023264, Charles M. Healy, on the South.

December 17, 1913.



CROOK NATIONAL FOREST

ARIZONA

Chains

chains

Latitudes, Departures and Closing Errors.

Bearing	Distance	Latitude		Departure	
		N	S	E	W
S. 27° 30' E.	21.00		18.63	9.70	
S. 49° 32' W.	13.97		9.07		10.63
N. 6° 53' W.	20.83	20.68			2.50
N. 25° 58' E.	7.78	6.99		3.41	
	63.58	27.67	27.70 <u>27.67</u>	13.11	13.13 <u>13.11</u>
Error in Lat. and Dep.			.03		.02
Closing Error 1:1763.					

*Walter G. Turley*  
 Forest Service Surveyor.



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HOMESTEAD ENTRY SURVEY NO. 4225 MOH

FOREST NATIONAL FOREST

ARIZONA

Chains	Latitudes, Departures and Closing Errors.				Chains
	Latitude		Distance	Bearing	
	E	W			
	18.63	21.00	21.00	S. 27° 30' E.	
10.63	2.07	13.97	13.97	S. 49° 33' W.	
2.50		20.63	20.63	N. 6° 53' W.	
	3.41	6.99	7.78	N. 55° 58' E.	
13.11	13.11	27.67	27.67		
13.11		27.67	27.67		
30.	30.			Error in lat. and dep.	
				Closing Error 1:1563.	

*[Signature]*  
 Forest Service Surveyor.



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 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. 105, STATE OF ARIZONA, Edward W. Hargett - Crook

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
S. 27° 30' E.	21.00	18.63 <sup>4</sup>	9.70	10.63 <sup>4</sup>	16.53	307.79			
S. 49° 32' W.	13.97	9.07		2.50	15.61	141.43			
N. 6° 53' W.	20.83		3.41		2.49		51.52		
N. 25° 58' E.	7.78		13.11	13.13	3.41		23.84		
	63.58		13.17	13.17		449.22	75.36		
			77.68	77.68		2)373.86	18.69	Acres	
Closing Error 1:1763									







APPROVAL

Office of the United States Surveyor General,  
Phoenix, Arizona, March 9, 1915 .

The foregoing field notes of Homestead Entry Survey No.

105

E. W. Hargett

executed by Walter G. Turley, Forest Service Surveyor  
under his special instructions, dated October 30, 1913,  
having been critically examined, and the necessary correc-  
tions and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

*Frank S. Ingalls*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field  
notes of the above-described survey in Arizona,  
has been correctly copied from the original notes on file in  
this office.

Frank S. Ingalls  
U. S. Surveyor General.



