Form 85
Sheet No. 1

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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

Oct. 29 1914

Aug. 4 1915

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 106

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

~~Section 1, unsurveyed, Township 1 S., Range 15 E.~~

Section 12, unsurveyed, Township 1 S., Range 15 E.

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 19, 1913

Survey completed December 19, 1913

Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Henry Forester

Residence Globe, Arizona

Application No. 18, dated April 4, 1908

List No. 3-198, dated August 13, 1909

Applicant for survey Henry Forester

Residence Globe, Arizona

H. E. No. 07763, dated December 20, 1909.

Land district Phoenix, Arizona.

8—2349

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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. 106, in ~~unsurveyed Section 1, Township 1 S., Range 15 E.~~, unsurveyed Section 12, Township 1 S., Range 15 E.,

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 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 inconvenient and expensive to appear before an officer to administer the oaths to assistants, hence they were taken by the Surveyor.

Benjamin F. Habourn, Chainman

John B. Wight, Chainman

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, surveyed a tract of land ~~upon the application of~~ embraced in List, No. 3-198, dated August 13, 1909, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 106, situated within the CROOK National Forest, in ~~unsurveyed Section 1, Township 1 S., Range 15 E., and~~ unsurveyed Section 12, Township 1 S., Range 15 E.,

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 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.

Walter G. Turley
Forest Service Surveyor

Subscribed and sworn to before me this 19th day of January, 1914.

Walter G. Scott
Notary Public

SEAL.

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My Commission expires July 1, 1917

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 106 .1.

CROOK NATIONAL FOREST

STATE OF ARIZONA.

Chains

Applicant for listing, Henry Forester; Application No. 18, dated April 4, 1908; List No. 3-198, dated August 13, 1909; H. E. No. 07763, made at Phoenix, Arizona, by Henry Forester on December 20, 1909.

Surveyed under special instructions from the Surveyor General for Arizona dated October 30, 1913, and designated as Homestead Entry Survey No. 106.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. & M., but what will probably be, when surveyed, in Section 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 19, 1913.

At 8h. 00m., a.m., l.m.t., I set off 23° 22' S. on the decl. arc and 33° 22' on the lat. arc and determine a meridian with the solar at cpr. No. 3, H. E. S. No. 102;

HOMESTEAD ENTRY SURVEY NO. 106

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains	
	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° 22' N., Long. 110° 43' 50" W.
	RETRACEMENTS.
	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.
	I also retrace line 2-3 of approved H. E. S. No. 66.
	Thence South.
	From cor. No. 2, which is a quartzite stone 10 x 5 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.
19.70	I mark a point from which cor. H-5 of the list survey bears S. 57° 28' W., 5 lks. dist.
40.03	To cor. No. 3, approved H. E. S. No. 66, which is a quartzite boulder 7 x 6 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.
	December 19, 1913.
	At 8h. 20m., a.m., l.m.t., I set off 23° 23' S. on the decl. arc and 33° 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. 3° 01' E., on a true line.

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Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 106 .3.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains	
63.43	To cor. No. 1.
	Identical with cor. H-2 of the list survey, also cor. H-6 of H. E. 023264 Charles M. Healy, which is a gray quartzite stone 12 x 8 x 10 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 stone 26 x 12 x 9 ins., 16 ins. in the ground, over a small stone marked with a cross for cor. No. 1 of this survey, marked 1-HES106 on the SE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:
	A hackberry 8 ins. dia., bears N. 87° 30' E., 24 lks. dist., marked 1 H E S 106 B T.
	Cor. No. 2, H. E. S. 105, E. W. Hargett, which is a schist stone 10 x 4 x 10 ins. above ground marked 2-HES105 on the W. face bears N. 48° 15' E., 6.70 chs. dist.
	No other bearings available. Pits impracticable. Therefore the St. 1/4 Sec. Cor., Sec. 34, T. 1 N., R. 15-1/2 E., bears N. 3° 01' W., 63.43 chs. dist. from cor. No. 1.
	I observe the magnetic declination at cor. No. 1 of this survey to be 14° 35' E. at 9h. 00m., 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° 33' E. Long. 110° 43' 40" W., as obtained from special instructions from the Surveyor General.

HOMESTEAD ENTRY SURVEY NO. 106

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains	
	Thence S. 84° 00' E., on a true line.
	Ascend 100 ft. to cor.
0.50	Enter arroyo, course NW.
4.40	Leave arroyo, course SW. Ascend NW. slope.
10.96	To cor. No. 2.
	Identical with cor. H-3 of the list survey, which is a red sandstone 12 x 5 x 8 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 quartzite boulder 28 x 14 x 6 ins., 18 ins. in the ground, over a small stone marked with a cross for cor. No. 2 of this survey, marked 2-HES106 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor.
	Pits impracticable, and no bearings available.
	Thence S. 15° 21' E., on a true line.
	Ascend W. slope 5 ft. to ridge.
0.50	Ridge, bears E. and W. Descend S. slope 95 ft. to arroyo.
5.10	Arroyo, 100 lks. wide, banks 1 ft. high, course NW.
	Ascend 20 ft. to cor. along W. slope.
20.42	To cor. No. 3.
	Identical with cor. H-4 of the list survey, which is a red quartzite stone 12 x 10 x 10 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 quartzite boulder 26 x 10 x 6 ins., 16 ins. in the ground, over a small stone marked with a cross, for cor. No. 3 of this survey, marked 3-HES106 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor., from which:
	A catsclaw 4 ins. dia., bears N. 62° 45' W.,

Chains

119 lks. dist., marked 3 H E S 106 B T.

A catsclaw 4 ins. dia., bears S. 65° 20' W., 66 lks. dist., marked 3 H E S 106 B T.

December 19, 1913.

At 11h. 57m., a.m., l.m.t., I set off 23° 24' S. on the decl. arc and observe the sun on the meridian at cor. No. 3 of this survey and obtain a reading of 33° 22' on the lat. arc.

Thence S. 57° 28' W., on a true line.

Descend W. slope 10 ft. to arroyo.

0.32 Fence, bears N. and S.

0.65 Arroyo, 25 lks. wide, banks 1 ft. high, course N.

Ascend 20 ft. to spur.

2.90 Point of spur bears NE. and SW.,

descend N. slope 10 ft. to ravine.

5.85 Ravine, course NE. Ascend SE. slope 150 ft. to ridge.

12.50 Ridge, bears N. and S. Descend 150 ft. to cor.

24.79 To cor. No. 4.

Identical with the point temporarily marked by me. At which point I intersect the line 2-3 of H. E. S. No. 66 at a point 19.70 chs. south of cor. No. 2, and 20.33 chs. North of cor. No. 3. This is the point for cor. No. 4 of this survey. I destroy cor. H-5 of the list survey which is a quartzite stone 10 x 10 x 10 ins. above ground, marked and witnessed as described by the Forest Service and stands S. 57° 28' W., 5 lks. dist. from the point of intersection, at which point I set a quartzite boulder 28 x 9 x 5 ins., 18 ins. in the ground, over a small stone marked with a cross for cor. No. 4 of this survey, marked 4-HES106 on the NNE.

Chains	
	face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NNE. of cor., from which:
	A catsclaw 4 ins. dia., bears N. 6° 20' E., 108 lks. dist., marked 4 H E S 106 B T.
	No other bearings available; pits impracticable.
	Thence North along line 3-2 of H. E. S. No. 66.
	Descend 25 ft. to cor.
2.60	Fence, bears NNE. and SSW.
6.54	Right bank Pinal Creek, 2 ft. high, course NE.
16.90	Left bank of Pinal Creek, 2 ft. high, course NE.
19.70	To cor. No. 5.
	Identical with cor. H-1 of the list survey, also cor. H-1 of H. E. 023264 Charles M. Healy, which is a granite stone 11 x 6 x 10 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 mark 5-HES106 on the E. face of a quartzite stone 10 x 5 x 10 ins. above ground, which is marked, witnessed and set as described by the Surveyor General for cor. No. 2 of H. E. S. No. 66, from which:
	A sycamore 24 ins. dia., bears S. 60° 40' E., 11 lks. dist., marked 5 H E S 106 B T.
	A sycamore 18 ins. dia., bears N. 84° 20' E., 12 lks. dist., marked 5 H E S 106 B T.
	Thence N. 17° 44' E.
	Along line 1-6 of H. E. No. 023264 Charles M. Healy.
	Ascend 5 ft.
4.00	Cease ascending and descend 10 ft. to Cor.
9.60	Pinal Creek, 2.00 chs. wide, banks 2 ft. high, course N.
15.11	To cor. No. 1 of this survey, the place of beginning.

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Chains

Area of Homestead Entry Survey No. 106.

Total Area - - - - - - - - - - - - - - - - - - - 47.53 acres

IMPROVEMENTS.

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

A brick stable 20 x 36 ft., the long side of which bears N. and S. and the SW. cor. of which bears N. 89° E., 3.44 chs. dist. from cor. No. 5 of this survey.

Value ---------- $ 125.00

An adobe dwelling 15 x 45 ft., the long side of which bears N. and S. and the NW. cor. of which bears S. 64° E., 2.40 chs. dist. from cor. No. 5 of this survey.

Value ---------- $ 500.00

A well 36 ft. deep, the center of which bears S. 54° 30' E., 2.20 chs. dist. from cor. No. 5 of this survey.

Value ---------- $ 100.00

This claim is partly inclosed by a wire fence.

Value ---------- $ 75.00

GENERAL DESCRIPTION.

This Homestead Entry is on Pinal Creek at an elevation of approximately 3,700 ft. and is chiefly valuable for intensive farming. There appears to be no mineral on this claim and the soil is a sandy loam, which produces any crop raised in the temperate zone. Globe Postoffice and A. E. Ry. Station is 2 miles in a northerly direction.

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Form 85.
Sheet No. 2.

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HOMESTEAD ENTRY SURVEY NO. 106

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

CONFLICTS AND ADJOINING CLAIMS.

This claim is joined on the west by H. E. 023264, Charles M. Healy, and H. E. S. No. 66, R. M. Anderson.

December 19, 1913.

Latitudes, Departures and Closing Errors.

Bearing	Distance	Latitude N	Latitude S	Departure E	Departure W
S. 84° 00' E.	10.96		1.15	10.89	
S. 15° 21' E.	20.42		19.69	5.41	
S. 57° 28' W.	24.79		13.33		20.90
North	19.70	19.70			
N. 17° 44' E.	15.11	14.39		4.60	
	90.98	34.09	34.17	20.90	20.90
			34.09		20.90
Error in Lat. and Dep.			.08		0.00

Closing error 1:1137.

Walter G. Turley
Forest Service Surveyor.

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Form 85.
Sheet No. 3.—Revised Feb., 1915.

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.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 106., STATE OF Arizona. Henry Forester.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
	S. 84° 00' E.	10.96		1 15 4	10 89		20 09		22 90	
	S. 15° 21' E.	20.42		19 69 7	5 41		36 39		715 79	
	S. 57° 28' W.	24.79		13 33 1		20 90	20 90		278 18	
	North	19.70	19 70 2				0 00			
	N. 17° 44' E.	15.11	14 39 40		4 60		4 60	66 24		
		90.98	34 09	34 17	20 90	20 90		66 24	1016 87	
			34 12	34 12	20 90	20 90			66 24	
									2)950 63	
	Closing Error, 1:1137.								475 31	= 47.53 Acres.

Form 86.
Sheet No. 8.—Revised Feb. 1911.

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 figures of 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 the latitudes should be proportional to the lengths of the lines.
3. In calculations of latitudes take results 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. 106. STATE OF Arizona. Henry Forester.

Corners.	Bearing.	Distance.	Latitudes. North.	Latitudes. South.	Departures. East.	Departures. West.	Double M. D.	N. Areas.	S. Areas.
	S. 84° 00' E.	10.96		1 15	10 89		20 09		22 90
	S. 15° 21' E.	20.42		19 69	5 41		36 39		715 79
	S. 57° 28' W.	24.79		13 33		20 90	20 90		276 18
	North	19.70	19 70				0 00		
	N. 17° 44' E.	15.11	14 39		4 60		4 60	66 24	
		90.98	34 09	34 17	20 90	20 90		66 24	1016 87
									66 24
									2)950 63
									475 31 = 47.53 Acres.

Closing Error, 1:1137.

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APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona,
December, 11, 1914.

The foregoing field notes of Homestead Entry Survey No.

106

Henry Forester

executed by Walter G. Turley, Forest Service Surveyor,
under his special instructions, dated October 30, 1913,
having been critically examined, and the necessary corrections 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.

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