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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUL 25 1915

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 99

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

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

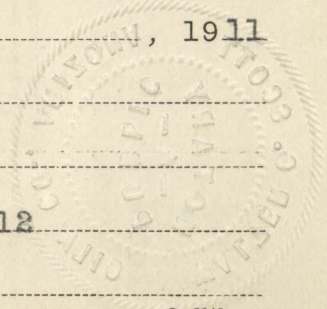
of the

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 6, 1913
Survey completed December 6, 1913
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Lawrence R. Evans
Residence Globe, Arizona.
Application No. 147, dated July 25, 1910
List No. 3-1204, dated March 25, 1911
Applicant for survey Lawrence R. Evans
Residence Globe, Arizona.
H. E. No. 016279, dated January 29, 1912
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. 99, in unsurveyed Section 1, Township 1 S., Range 15 E., ---surveyed Section ---, Township ---, Range ---, --- 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. Hobourn 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. 3-1204, dated March 25, 1911, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 99, situated within the CROOK National Forest, in unsurveyed Section 1, Township 1 S., Range 15 E., and ---surveyed Section ---, Township ---, Range ---, --- 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



My Commission expires July 1, 1914

CROOK NATIONAL FOREST

ARIZONA

Chains

Applicant for listing, Lawrence R. Evans. Application No. 147, dated July 25, 1910. List No. 3-1204, dated March 25, 1911. H. E. No. 016279, dated January 29, 1912, made by Lawrence R. Evans at Phoenix, Arizona.

Surveyed under special instructions from the Surveyor General of Arizona, dated October 30, 1913, and designated as Homestead Entry Survey No. 99.

This claim is situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. & M., in what will probably be sec. 1 when surveyed, 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 6, 1913:

At 8 h. 00 m. a.m., l.m.t., I set off $22^{\circ} 26'$ S. on the decl. arc and $33^{\circ} 23'$ on the lat. arc and determine a meridian with the solar at the north station which defines the meridian determined by Polaris observations

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HOMESTEAD ENTRY SURVEY NO. 99

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ARIZONA

Chains

on December 4 and 5, 1913, which is marked by tacks in stakes near cor. H-1, Rebecca Howard; I sight South and my line of sight falls upon the tack in the stake 8.00 chs. South of my station. Therefore I conclude that my instrument is in satisfactory adjustment.

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 the S. boundary of Sec. 34 T. 1 N., R. 15-1/2 E. as follows:

December 6, 1913:

At 8 h. 30 m., a.m., l.m.t., I set off 22° 27' S. on the decl. arc and 33° 23' on the lat. arc and determine a meridian with the solar at the S. C. of T. 1 N., Rs. 15 and 15-1/2 E., G. & S. R. B. & M., which is a granite stone 10 x 8 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence East

On a random line

40.01 S. C. 1/4 sec. 34 T. 1 N., R. 15-1/2 E., which is a quartz stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Surveyor General.

Return course West.

At the cor. of secs. 36 and 34, T. 1 N., Rs. 15 and 15-1/2 E. I set a quartzite stone 28 x 16 x 10 ins. 18 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 1 of this survey, marked 1-HES99 on the SE. face and C C, on the South; and re-establish the mound of stone 2 ft. base, 1-1/2 ft. high North of cor. which is the position of the mound for the S. C.

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STATE OF ARIZONA

Chains

Note: A separate stone was set immediately South of the S. C. for the reason that H-1 had been marked upon the SE. face and 1-HES65 on the SW. which left a surface impossible to mark plainly.

I observe the magnetic declination at cor. No. 1 to be 14° 35' 30" at 8h. 30m. a.m., l.m.t., which reduced by Table G. Manual 1894, gives a mean magnetic declination of 14° 34' E.

Lat. 33° 23' N. Long. 110° 44' 31" W.

Thence East.

Along the Gila and Salt River Base in T. 1 N., R. 15-1/2 E.

Descend East slope 10 ft. to bottom.

2.50 Enter bottom, bears N. and S.

4.52 To cor. No. 2.

Identical with cor. H-4 of the list survey, which is a gray granite stone 10 x 12 x 6 ins. above ground, marked and witnessed as described by the Forest Service. This is also cor. H-1 of Entry 017905, E. L. Higdon's H. E. S. No. 100. I destroy all trace of the list survey cor., which refers to this claim and set a quartzite boulder 26 x 9 x 8 ins., 16 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 2, marked 2-HES99 on the SW. face and C C on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., from which:

A sycamore 28 ins. dia., bears S. 30° 30' W.,

21 lks. dist., marked 2 H E S 99 B T.

No other bearings available. Pits impracticable.

Thence S. 40° 40' E.

On a true line bet. this claim and List 3-1475, E. L. Higdon. Over bottom.

Chains	
1.00	Left bank Ice House Creek, 1 ft. high, course N.
1.65	Road, bears N. and S.
2.00	Leave Ice House Creek, bank 1 ft. high, course N. Ascend 80 ft.
4.82	To cor. No. 3. Identical with cor. H-3 of the list survey, an imbedded quartzite boulder 14 x 10 x 8 ins. above ground, marked and witnessed as described by the Forest Service, which is also cor. H-4 of Entry 017905, E. L. Higdon's H. E. S. No. 100, and cor. No. 1 of H. E. S. No. 98, marked 1-HES98 on the SSW. face. I destroy all trace of this list cor. and mark 3-HES99 on W. side of the stone and cross (+), for cor. No. 3 of this survey. Mound of stone is SSW. of cor. Pits impracticable and no bearings available.
	Thence S. 49° 40' W. Along the line 1-7 of H. E. S. No. 98, Frank Gusman. Descend 80 ft. to bottom.
2.37	Road, bears N. and S. Foot of descent, continue over bottom.
10.37	To cor. No. 4. Identical with cor. H-2 of the list survey, which is a gray granite stone 10 x 6 x 12 ins. out of ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark 4-HES99 on the NNE. face of the quartzite boulder 10 x 7 x 10 ins. above ground, which I previously set for cor. No. 7 of H. E. S. No. 98, marked 7-HES98 on the SE. face, from which: A sycamore 20 ins. dia., bears N. 18° 10' E., 198 lks. dist., marked 4 H E S 99 B T. A hackberry 4 ins. dia., bears N. 86° 00' E., 54 lks. dist., marked 7 H E S 98 B T.

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Chains

Cor. No. 6 H. E. S: No. 98 bears S. 1° 00' W.

3.14 chs. dist.

No other bearings available. Pits impracticable.

Thence N. 1° 10' E.

Along east line of W. F. Harte's Entry 07977, H. E. S.

No. 163; over bottom.

0.50 Right bank of Ice House Creek, 1 ft. high, course N.

1.00 Left bank of Ice House Creek, 1 ft. high, course N.

Ascend 10 ft. to cor.

1.95 Fence, bears NE. and SW.

10.39 To cor. No. 1 of this survey, the place of beginning.

December 6, 1913:

At 11 h. 51 m. a.m., l.m.t., I set off 22° 29' S. on the decl. arc and observe the sun on the meridian at cor. No. 1 of this survey and obtain a reading of 33° 23' on the lat. arc.

Area of Homestead Entry Survey No. 99

Total area 4.85 acres

Improvements

The improvements made upon and for the benefit of this Homestead and belonging to L. R. Evans, the claimant, consist of the following:

A frame dwelling 14 x 14 ft. the long side of which bears N. and S. and the NE. cor. of which bears S. 53° W. 2.95 chs. dist. from cor. No. 2 of this survey.

Value \$150.00

A windmill and well 20 ft. deep, the center of which bears S. 60° 30' W. 3.00 chs. dist. from cor. No. 2 of this survey.

Value \$125.00

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A frame shed 30 x 10 ft. the long side of which bears N. and S. and the NE. cor. of which bears S. 85° W. 2.25 chs. dist. from cor. No. 2 of this survey.

Value \$ 25.00

This claim has some miscellaneous fencing and cultivation.

Value \$ 80.00

General Description

This homestead is on Ice House Creek at an elevation of approximately 3,800 feet and is chiefly valuable for a home.

The soil is a sandy loam and I saw no indication of mineral on this claim.

Globe post office and Arizona Eastern Railway station is 1-1/4 miles in a northerly direction.

This Homestead Entry is joined on the E. by List 3-1475 of E. L. Higdon, H. E. S. No. 100, and H. E. S. No. 98, Frank Gusman; and on the W. by List No. 3-264 of W. F. Harte, H. E. S. No. 163.

December 6, 1913

Latitudes, Departures and Closing Errors.

Bearing	Dist.	Latitude		Departure	
		N	S	E	W
East	4.52			4.52	
S. 40° 40' E.	4.82		3.66	3.14	
S. 49° 40' W.	10.37		6.71		7.90
N. 1° 10' E.	10.39	10.39		0.21	
	30.10	10.39	10.37	7.87	7.90
Error in Lat. and Dep.		10.37		7.87	7.87
		.02			.03

Closing Error 1:834.

Walter G. Jurley
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 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. 99., STATE OF J.R. Evans.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	East	4.52			4.52		4.96		
2-3	S. 40° 40' E.	4.82		3.66	3.14		12.63	46.23	
3-4	S. 49° 40' W.	10.37		6.71	2.1	7.89	7.22	53.02	
4-1	N. 1° 10' E.	10.39	10.39		7.87		2.28		
		30.10	10.38	10.37	7.89	7.90	2.28	99.25	
	Closing error	1:834.	10.38	10.38	7.89	7.89		2.28	
								2)96.97	
								48.48	4.85 Acres.

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4.82 VOLER

48 48 =

19 00 81

3 88

88 88

23 08

40 58

CLOSING ERROR 1.824

30.10

10.38

10.38

10.31

4.85

4.82

4-1 W. 10. E.

2-4 2. 40. W.

2-3 2. 40. E.

1-8 1.824

30.10

10.38

10.38

10.31

4.85

4.82

4-1

2-4

2-3

1-8

2. 48. 78

3. 88

3. 88

4. 80

4. 81

8. 47

10. 38

10. 38

10. 31

4. 85

4. 82

STATE OF ILLINOIS

OFFICE OF THE COMMISSIONER OF LAND AND MINES
 DEPARTMENT OF LAND AND MINES
 CHICAGO, ILLINOIS

RECEIVED FROM THE COMMISSIONER OF LAND AND MINES
 THE FOLLOWING AMOUNTS:

FOR THE YEAR 1900

APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona,
November 28, 1914.

The foregoing field notes of Homestead Entry Survey No.

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Lawrence R. Evans

executed by Wlater 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.

