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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 100

SITUATED IN THE

CROCK 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 E. L. Higdon

Residence Globe, Arizona.

Application No. 164, dated October 13, 1910

List No. 3-1475, dated October 11, 1911

Applicant for survey E. L. Higdon

Residence Globe, Arizona.

H. E. No. 017905, dated June 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. 100, 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 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 Sur-
veyor.

Benjamin F. Hebourd 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. 3-1475, dated Oct. 11, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 100,
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 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
Nataly Pablos



my commission expires July 1, 1917

CROOK NATIONAL FOREST

ARIZONA

Chains

Applicant for listing, E. L. Higdon. Application No. 164, dated October 13, 1910. List No. 3-1475, dated October 11, 1911. H. E. No. 017905, made by E. L. Higdon; June 29, 1912, at Phoenix, Arizona. Surveyed under special instructions from the Surveyor General of Arizona, dated October 30, 1913, and designated as Homestead Entry Survey No. 100. This claim is situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. & M., in what will probably be, when surveyed, sec. 1, 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 1:32; 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 11 h. 51 m. a.m., l.m.t., I set off $22^{\circ} 29'$ S. on the decl. arc and observe the sun on the meridian at cor. No. 1 of H. E. S. No. 99, which is 4.52 chs. W. of cor. H-1 of this list survey and obtain a reading of $33^{\circ} 23'$

Chains

on the lat. arc. Long. $110^{\circ} 44' 33''$ W.

December 6, 1913:

At 2 h. 00 m. p.m., l.m.t., I set off $22^{\circ} 29-1/2'$ S. on the decl. arc and $33^{\circ} 23'$ on the lat. arc and determine a meridian with the solar at the south station of the meridian established by me from Polaris observations on December 4 and 5, 1913, near cor. H-1 of List 3-165, Rebecca Howard, and my line of sight falls upon the tack set in the stake 8.00 chs. north 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 the 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 recorded in the field notes of H. E. S. No. 99, L. R. Evans.

December 6, 1913:

At 2 h. 30 m. p.m., l.m.t., I set off $22^{\circ} 31'$ on the decl. arc and $33^{\circ} 23'$ on the lat. arc and determine a meridian with the solar at cor. H-1 of the list survey, which is a gray granite stone 6 x 6 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark 1-HES100 on the ESE. face and C C on the SE. face of a quartzite boulder 9 x 8 x 10 ins. above ground, marked 2-HES99 on the SW. face for cor. No. 2 of H. E. S. 99, from which

A sycamore 28 ins. dia. bears S. $30^{\circ} 30'$ W. 21 lks. dist. marked 2 H E S 99 B T.

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No other bearings available. Pits impracticable.

The S. C. of T. 1 N., Rs. 15 and 15-1/2 E., which is a granite stone 10 x 8 x 10 ins. above ground, marked and witnessed as described by the Surveyor General, bears West 4.52 chs. dist. from cor. No. 1 of this survey.

The observed magnetic declination at cor. No. 1 of this survey at 2 h. 30 m., p.m., was 14° 32' E., which 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 Line, over bottom.

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

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

Ascend 20 ft. to cor. No. 2 of this survey.

1.58 Road, bears N. and S.

1.90 Fence, bears N. and S.

6.23 Fence, bears NE. and SW.

6.33 To cor. No. 2

Identical with cor. H-2 of the list survey, which is

a gray granite stone 6 x 6 x 12 ins. above ground,

marked and witnessed as described by the Forest Ser-

vice. I destroy all trace of this list cor. and at

the point I set a quartzite stone 30 x 16 x 9 ins. 20

ins. in the ground, over a small stone marked with a

cross (+) for cor. No. 2 of this survey, marked 2-HES-

100 on the SW. face, C C on the SSW. face; and raise

a mound of stone 2 ft. base, 1-1/2 ft. high SW. of

cor. from which,

The SE. cor. of E. L. Higdon's two story brick

house bears N. 13° 45' E. about 5.00 chs. dist.

The NW. cor. of E. L. Higdon's two story brick

house bears N. 5° E. about 5.50 chs. dist.

Chains S C 1/4 S. 34 T. 1 N., R. 15 1/2 E., which is a quartz stone 12 x 8 x 5 ins. above ground, bears East 29.16 chs. dist. No other bearings available. Pits impracticable. This is also cor. H-5 of List 3-280, T. J. Gibson's Entry 023562.

Thence S. 24° 30' W. On a true line bet. this claim and List 3-280, T. J. Gibson's Entry 023562. Ascend 70 ft. to cor. 0.50 Fence, bears NE. and SW.

8.50 Fence, bears N. and S. 9.44 To cor. No. 3.

Identical with cor. H-3 of the list survey; also cor. H-4 of List 3-280, T. J. Gibson's Entry 023562, and cor. No. 2 of H. E. S. No. 98, Frank Gusman. I destroy all trace of the list cor. which refers to this claim, and mark 3-HES100 on the NNE. face of the imbedded brown quartzite stone 39 x 20 x 6 ins. above ground, which I have heretofore marked 2-HES98 on the W. face for cor. No. 2 of H.E.S. No. 98, Frank Gusman, and witnessed with a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor., from which,

An oak 4 ins. dia. bears N. 83° W. 26 lks. dist. marked 2 H E S 98 B T. No other bearings available. Pits impracticable.

Thence N. 8° 05' E. Along the line 2-1 of H.E.S. No. 98. Descend along brow of hill 5 ft.

5.00 To cor. No. 4: Identical with cor. H-4 of the list survey, which is a quartzite boulder 14 x 10 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I

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destroy all trace of this list cor. and mark 4-HES100 on the East face of the same stone, which I previously marked 1-HES98 for cor. No. 1 of H. E. S. No. 98, Frank Gusman, and 3-HES99 for cor. No. 3 of H. E. S. No. 99, L. R. Evans. A mound of stone 2 ft. base, 1-1/2 ft. high, stands SSW. of cor. Pits impracticable and no bearings available.

Thence N. 40° 40' W.

Along line 2-3 of H. E. S. No. 99, L. R. Evans.

Descend 85 ft. to creek bed.

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

3.17 Road, bears N. and S.

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

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

Area of Homestead Entry Survey No. 100

Total area 1.82 acres

Improvements

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

A well 40 ft. deep, the center of which bears S. 82° 15' W. 3.60 chs. dist. from cor. No. 2 of this survey.

Value \$150.00

This ground is partly inclosed by a wire fence.

Value \$ 10.00

General Description

This homestead is on Ice House Creek at an elevation of approximately 3,800 ft. and is chiefly valuable for intensive farming. The soil is a sandy loam and I

HOMESTEAD ENTRY SURVEY NO. 100

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saw no indication of mineral on this claim.
 Globe Post Office and Arizona Eastern Ry. station is
 approximately 1-1/4 miles in a northerly direction.

This homestead entry is joined on the West by H. E. S. No. 98, Frank Gusman and H. E. S. No. 99, L. R. Evans; and on the East by T. J. Gibson's Entry 023562, List No. 3-280.

December 6, 1913.

Latitudes, Departures and Closing Errors.

Bearing	Dist.	Latitude				Departure			
		N	S	E	W				
East	6.33			6.33					
S. 24° 30' W.	9.44		8.59				3.91		
N. 8° 05' E.	5.00	4.95		0.70					
N. 40° 40' W.	4.82	3.66					3.14		
	25.59	8.61	8.59	7.03			7.05		
		8.59					7.03		

Error in Lat. and Dep.02

Closing error 1:905

Walter G. Turley
 Forest Service Surveyor.

Homestead and belonging to E. E. Higdon, the claimant herein, consist of the following:
 A well 40 ft. deep, the center of which bears S. 82° 15' W. 3.60 chs. dist. from cor. No. 2 of this survey.
 Value \$150.00
 This ground is partly inclosed by a wire fence.
 Value \$10.00

General Description
 This homestead is on Ice House Creek at an elevation of approximately 3,800 ft. and is chiefly valuable for intensive farming. The soil is a sandy loam and

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, November 28, 1914 .

The foregoing field notes of Homestead Entry Survey No.

100

E. L. Higdon,

executed by Walter G. Turley, F.S.S.
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,
has been correctly copied from the original notes on file in
this office.

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

