U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

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JU. 8 - 1911

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 98.

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

| Sections 1&2, un surveyed, Township 1 S., Range | 15 E. |
|---|-------|
| | |
| | |
| | |
| | |
| of the | |
| G. & S. R. B. & Meridian. | |
| ARIZONA | |

| Survey executed by Walter G. Turley, F | orest Service Si | ırveyor |
|--|------------------|---------|
| Under special instructions dated | October 30 , | 1913 |
| Survey commenced | December 4, | 1913 |
| Survey completed | December 5 , | 1913. |
| Under Acts of June 11, 1906 a | nd March 4, 191 | 3 |

| Applicant for listing | George Boretta |
|--------------------------|-------------------------|
| Residence | Globe, Arizona. |
| Application No. 47, | dated September 7, 1908 |
| List No. 3-836, dated | |
| Applicant for survey | |
| Residence | Globe, Arizona |
| H. E. No. 020308 , dated | June 6, 1913. |
| Land district | Phoenix, Arizona. |

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. 98 , in un surveyed Sections 1&2 , 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 2 Habour Chainman very inconvenient and expensive to appear before an officer to administer the caths to assistants, hence; they were taken by the Surveyor. Subscribed and sworn to before me this combis 19/3. 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.3-836, dated Dec. 7, 1910, for Patent , under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 98, situated within the CROOK National Forest, in unsurveyed Sections 1 & 2, 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 instruc-tions, and in the specific manner described in the field notes, and that the following are the original field notes of such survey. Subscribed and sworn to before me this Chalin G. Scatt holay Public ussin esopus July 1,1817

Chainman.

TECROOK NATIONAL FOREST

ARIZONA

Chains

8.04

54.2

1.88

6.1

8.35

Applicant for listing: George Boretta. Application No. 47. dated September 7, 1908. List No. 3-836, dated December 7, 1910. H. E. No. 020308, made by Frank Gusman June 6, 1913, at Phoenix, Arizona.

Surveyed under special instructions from the surveyor General of Arizona, dated October 30, 1913, and designated as Homestead Entry Survey No. 98.

This claim is situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. & M., in what will probably be, when surveyed, secs 2. Crook National Forest, Arizona. Listed under the Act of June 11; 1906, and survey authorized by Acts of June 11, 1906 and March 4, 1913.

of my station.

. 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 lease graduatien 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 thou-Astron. 1.m.t. obsn. Dec. 4, 1913 .satton.

S.84 December 4, 1913: . medo to siraloq signs ruch

Deaember 4, 1913.

At 11 h. 50 m. a.m., 1.m.t., I set off 22° 14' 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. Long. 110° 44' 31" W.

Astron. 1.m.t. U. 0. Rol. Dec. 4, 1913 8

8_2349

TE CROOK NATIONAL FOREST

ARIZONA

| 图 10 10 10 10 10 10 10 10 10 10 10 10 10 |
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| Chains At 2 h. 30 m. p.m., l.m.t., I set off 22° 14' S. on the |
| decl. are and 33° 23' on the late are and determine a |
| meridian with the solar at a point which I mark by a |
| tack in a stake set firmly in the ground near cor. H-1 |
| of List 3-165, Rebecca Howard, and mark the meridian |
| -giand by driving a tack in a stake set firmly in the ground |
| 8.00 chs. north of my station. and as betse |
| This claim is situated to now avenue at a. S. It E., |
| on the same date: Janwai 18 .8 .8 .8 .8 .8 |
| I observe Polaris in accordance with instructions at |
| -roddus weving to 35 m. p.m. 1.m.t., and mark the line thus deter- |
| mined by driving a tacknin a stake set 8.00 chs. north |
| of my station. |
| Astron. 1.m.t. obsn. Dec. 3, 1913 |
| eforio Lasid Astron. l.m.t. U. C. Pol. Dec. 3. 1913. 8 40.8 |
| Saiven dail Hour angle Polaris at obsn. raise trug bago 54.2 |
| 1.66. squibser bas effected opposite and reading to |
| -enders ease Hour angle Polaris from U. C. ejunim efgris 1.9 |
| Azimuth Polaris at obsn. 0° 591 30" E. |
| December 4, 1913. |
| The instrument was tested and all necessary edinetts |
| -desta December 5, 1913: of office of office stack. |
| of bod aut I observe Polaris in accordance with instructions at |
| one le of 6 h. 25 m. a.m., 1.m.t., at the same station from which |
| I made the observation on December 4, 1913, and mark |
| the line thus determined by a tack in a stake set 8.00 |
| -word of gainest grant of my station and wadde about bas |
| Astron. 1.m.t. obsn. Dec. 4, 1913 . 25 m. |
| Astron. 1.m.t. U. C. Pol. Dec. 4, 1913 8 36.8 |
| Hour angle Polaris at obsn.: SIGI , 4 redme 9 ed 48.2 |
| Azimuth Polaris at obsn. 0° 43' 54" W. |
| I turn off the azimuth 0° 44' to the East, which defines |
| to griber a middo bas , vevrus sid to f .oH . ros |
| I also set off the azimuth 0° 59' 30" to the West of the |
| |

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

of Laple C., Manual of 1894, gives a mean magnetic

to word gnots basest (001 .o. a.t.h) down along brow of

TO CROOK NATIONAL FOREST ARIZONA

Chains line determined by Polaris observation on December 4, 1913, which defines a meridian that differs 05" from the meridian determined by Polaris observation on December 5, 1913. 8022H-1 bas .1 .01 . 100 101

on be December 5, 1913: . wisto mintiw obis andia

At 8 h. 00 m. a.m., 1.m.t., I set off 22° 19' S. on the decl. arc and 33° 23' on the lat. arc and determine a meridian with the solar at the station established by me, and my line of sight falls upon the mean of the two Polaris observations. The meridian determined with the solar on December 4, 1913, falls 04" West of the mean of the two Polaris observations. Therefore I conclude that my transit is in satisfactory adjust-14º 75' H. at 8 h. 20 m. a.r., 1.m.t., "trem reduced

Preliminary to the survey of this claim I proceed to cor. H-l of the List survey and retrace its boundaries in a clockwise direction and calculate its area to be less a' as than 160 acres. We aint . jod onal ears a do

December 5, 1913:

At 8 h. 20 m. a.m., 1.m.t., I set off 22° 19' 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 rock 10 x 8 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 64° 30' E. a Telet deliw . Too tail odd

To sourt file fortest I destroy all trace of

.o. . To On a true lines ent to request no (+) secto

8.46 To cor. No. 1.ms ; cont . W end no 8088H-8 ame . 3

Identical with cor. H-2 of the list survey, which is an imbedded quartzite boulder 14 x 10 x 8 ins. above

CROOK NATIONAL FOREST

ARIZONA

Chains

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ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) on the apex on the same boulder for cor. No. 1, and 1-HES98 on the SSW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high along side within claim. Pits impracticable and no bearings available. This is also cor. H-3 of L. R. Evans' Entry 016279 (H.E.S. No. 99) and cor H-4 of E. L. Higdon's Entry 017905 (H.E.S. No. 100). Therefore the S. C. of T. 1 N., Rs. 15 and 15-1/2 E. bears N. 64° 30' W. 8.46 chs. dist. from cor. No. 1 of this with the solar on December 4, 1913, falls OAT West of

> I observe the magnetic declination at cor. No. 1 to be 14° 35' E. at 8 h. 20 m. a.m., l.m.t., which reduced by Table G., Manual of 1894, gives a mean magnetic declination of 14° 34' E. e of of graduitor

Long. 110° 44' 31" W. Lat. 33° 23' N.

Thence S. 8º 05' W. leo bue noiteerib esimpole

On a true line bet. this claim and E. L. Higdon's Entry 017905 (H.E.S. No. 100) Ascend along brow of hill 5 ft. December 5, 1918;

5.00

To cor. No. 2. s. t. m. L. a. a. a. a. a s. A a tA Identical with cor. H-3 of the list survey, which is an imbedded brown quartzite stone 30 x 20 x 6 ins. above ground, marked and witnessed as described by the Forest Service. This is also cor. H-3 of E. L. Higdon's Entry 017905 (H.E.S. No. 100) and cor. H-4 of Entry 023562 of T. J. Gibson. I destroy all trace of the list cor. which refers to this claim and mark a cross (+) on the apex of the same boulder for cor. No. 2, and 2-HES98 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor., from which.

en imbedded quartaite boulder 14 x 10 x 8 ins. above

151

stone for cor. No. 4, and 4-11598 on the IE.

TREE CROOK NATIONAL FOREST

ARIZONA

Chains An oak 4 ins. dia. bears N. 83° W. 26 lks. dist. marked 2 H E S 98 B T.

Pits impracticable. No other bearings available.

Thence S. 39° 40' W.

on a true line. Ascend along brow of hill in oak brush 30 ft. a 80 8 E H & bedres . fail

To cor. No. 3.d . JT S enots To Bayon a estar I 19.40

Identical with cor. H-4 of the list survey, which is a gray granite stone 12 x 3 x 12 ins. above ground, marked and witnessed as described by the Forest Service. This is also cor. H-8, List 3-165, Rebecca Howard. I destroy all marks upon the cor. which refer to this claim, and at this point I set a quartzite stone 32 x 14 x 6 ins. 22 ins. in the ground, over small stone marked with a cross (+), for cor. No. 3 of this survey, marked 3-HES98 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. Fhence M. 48% bb' M. of cor. from which

> A cross (+) on an imbedded quartzite boulder 30 x 20 x 10 ins. above ground, marked 3 H E S 98 B R bears S. 72° E. 28 lks. dist.

Pits impracticable. No other bearings available. Bight bank of Jee House Creek, 10 ft. high, course H.

Thence N. 81° 00' W.

On a true line. Descend W. slope 125 ft. to creek in ms si dollundergrowth. I and to a-a too driv labitness

- 5.10 Right bank of Ice House Creek, 6 ft. high, course NE.
- 6.90 Left bank of Ice House Creek, 1 ft. high, course NE.

Also ranch road bears N. and S. Ascend 3 ft. 7.04 To cor. No. 4. The wordend T. . Jink . T. W

Identical with cor. H-5 of the list survey, which is an imbedded quartzite boulder 4 x 2 x 4 ft. above ground, marked and witnessed as described by the

187 6.

HOMESTEAD ENTRY SURVEY NO. 98

CROOK NATIONAL FOREST

ARIZONA

Chains

er do his

. BU de

Forest Service. This is also cor. No. 4 of Entry and 07977 of W. F. Harte. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same stone for cor. No. 4, and 4-HES98 on the NE. face, from which Thence 3, 398 401 W.

A sycamore 16 ins. dia. bears N. 79° 30' E. 123 lks. dist. marked 4 H E S 98 B T. OE dayrd

I raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. It is impracticable to place the mound in any other position. Pits impracticable. No other bearings available. as bessentiw one bearing

December 5, 1913: adventile voxtasb I . brawoE

At 11 h. 51 m. a.m., 1.m.t., I set off 22° 22' S. on the decl. arc and observe the sun on the meridian and obtain a reading of 33° 23' on the lat. arc at cor. No. 4 of this survey.

doriw morl .. roo to

Thence M. 81° (10' W.

Thence N. 48° 55' E.

Along the line 4-3, Entry 07977 of W. F. Harte. Descend 3 ft. to creek.

0.50

Left bank of Ice House Creek, 1 ft. high, course N. 5.00

Right bank of Ice House Creek, 10 ft. high, course N. 7.06

7.26 Fence, bears N. and S.

7.76

si do da

To cor. No. 5. Identical with cor H-6 of the list survey, which is an imbedded quartzite boulder 36 x 24 x 12 ins. out of ground, marked and witnessed as described by the Forest Service. This is also cor. No. 3 of Entry 07977 of W. F. Harte. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same stone for cor. No. 5, and 5-HES98 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor.,

8-2349

TE CROOK NATIONAL FOREST

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| The state of the s | Chains | chains quertaite boulder 26 x 30 x 7 ma, that reup |
| | .v .eu | A sycamore 18 ins. dia. bears S. 46° 45' W. 286 |
| , | to on | lks. dist., marked 5 H E S 98 B T. |
| | epy | Pits impracticable. No other bearings available. |
| | | which, |
| | ≙ā | Thence N. 58° 075 E. sib . snl 4 vtrodiosa A |
| | | Along line 3-2 of Entry 07977 of W. F. Harte, along |
| | . sidsf | NW. slope: rento of .efdacido come stiff |
| | 7.30 | To cor. No. 6. |
| | | Identical with cor. H-7 of the list survey, which is |
| | 66 | a quartzite stone 9 x 7 x.10 ins. above ground, marked |
| | | and witnessed as described by the Forest Service. I |
| | | destroy all trace of this list cor. This is also cor. |
| | .gai | No. 2 of Entry 07977 of W. F. Harte. I mark 6-HES98 |
| | | on the SE. face of this stone; and raise a mound of |
| | | stone 2 ft. base, 1-1/2 ft. high SE. of cor., from |
| | ores. | s which |
| | | A hackberry 5 ins. dia. bears S. 48° W. 29 lks. |
| | | dist. marked 6 H E S 98 B T. |
| | nint | No other bearings available. Pits impracticable. |
| | eismt, | Romestend and belonging to Frank Gustun, the ca |
| | | Thence N. 1º 00' E. :gni wolldh and ho datenos |
| | n beera | Along the line 2-1 of Entry 07977 of W. F. Harte. |
| | E. | Descend 5 ft. to cor. o . We said has . 2 has . I |
| | 0.10 | Enter cultivated land, bears NE. and SW. |
| | 2.00 | Leave cultivated land, bears NE. and SW. |
| | 2.50 | Fence, bears NE. and SW. It al w 42 senon sensit A |
| | 2.55 | Road, bears NE. and SW |
| | 3.14 | To cor. No. 7. V. oh . tos mort . dais . 2. 2 |
| | | Identical with cor. H-1 of the list survey, and cor. |
| | | H-2 of List 3-1204, L. R. Evans, which is a gray gneiss |
| | .5 | stone 10 x 6 x 12 ins. above ground, marked and wit- |
| | | nessed as described by the Forest Service I destroy |

00. anall trace of this list cor. and at this point I set a

CROOK NATIONAL FOREST

| | ARIZONA |
|--|--|
| Chains | quartzite boulder 26 x 10 x 7 ins. 16 ins. in ground, over |
| 388 | |
| | marked 7-HES98 on the SE. face; and raise a mound of |
| 0.000 | stone 2 ft. base, 1-1/2 ft. high SE. of cor., from |
| • 5 4-6440 | which. |
| 100 miles (100 miles (| |
| m.ma.1 | A hackberry 4 ins. dia. bears N. 86° 00° E. 54 |
| Suoa | Pits impressional THE S-98 BT. |
| | Pits impracticable. No other bearings available. |
| | 7.50 To cor. Ho. 6. |
| | Thence N. 49° 40° dE. to Y-R , too ditw Leoitmehi |
| | On a true line bet. this claim and H. E. S. No. 99 |
| | oivof L. R. Evans, over bottom. a descending bas |
| | Road, bears. N. and S. Ascend 80 ft. |
| | To cor. No. 1 of this survey, the place of beginning. |
| 10 | on the SI. face of this stone and raise a mound |
| mon | Area of Homestead Entry Survey No. 98 |
| | Total area |
| Lies. | A Lackberry 5 ins. dis. bears 3. 48° W. 29 |
| | .T & 89 2 Improvements #815 |
| .o.ld.en | The improvements made upon and for the benefit of this |
| | homestead and belonging to Frank Gusman, the claimant, |
| | consist of the following: . # 100 °I . M accord |
| .0 | A frame stable 24 x 14 ft., the long side of which bears |
| | N. and S. and the SW. cor. of which bears N. 75° E. |
| | 5.20 chs. dist. from cor. No. 7 of this survey. OL. |
| | Z bas . W ar Value b.s |
| | A frame house 24 x 12 ft. the long side of this bears |
| | N. and S. and the NW. cor. of which bears S. 72° E: |
| | 2.75 chs. dist. from cor. No. 7 of this survey. |
| . 100 | Das , gavas dall add lovalue |
| saions y | A well 4 x 4 x 15 ft. deep and a 3 H.P. gasoline engine |
| -tiv | and pump, the center of which bears S. 85° 30' E. |

2.80 chs. dist. from cor. No. 7 of this survey.

TEST CROCKNATIONAL FOREST

ARIZONA

Chains

This claim is enclosed by a wire fence and there is approximately one acre of cultivated land.

Value \$ 75.00

General Description

This Homestead Entry 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 produces any crop raised in the temperate zone. There is no timber on this claim and I saw no indication of mineral.

Globe post office and Arizona Eastern Ry. station are one and one-fourth miles in a northerly direction.

This Homestead Entry is joined on the West by List 3-264, H. E. S. No. 163 of W. F. Harte; on the North by List 3-1204, H. E. S. No. 99 of Lawrence R. Evans, and on the East by List 3-1475, H. E. S. No. 100 of E. L. Higdon.

December 5, 1913.

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|------------|------------|--------|-------|----------------------------------|
| Latitudes. | Departures | and Cl | osing | Errors. |

| Bearing Dist. | Latit | ude | Departure | | |
|--|--------------------------------------|---------------|-----------------------------|-----------------------|--|
| | N | S | E | W | |
| S. 8° 05' W. 5.00 S. 39° 40' W. 19.40 N. 81° 00' W. 7.04 N. 48° 55' E. 7.76 N. 58° 07' E. 7.30 N. 1° 00' E. 3.14 N. 49° 40' E. 10.37 | 1.10 5.10 3.86 3.14 6.71 | 4.95 14.93 | 5.85 6.20 .05 7.90 | 0.70 12.38 6.95 | |
| 60.01 Error in Lat. and Dep. Closing error 1:1414. | 19.91 19.88 .03 | 19.88 | 20.00 | 20.03 | |

Forest Service Surveyor.

HOMESTEAD ENTRY SURVEY NO.

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Sheet No. 3.—Revised Feb., 1915.

Dribertons.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

2. In balancing Latitudes and Departures do not obliterate or change the footing of the original figures, but put below them the corrected figure or figures above in red ink. Do not change the footing of the lines.

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.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

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STATE OF ATICORS. WICHE GUERAN.

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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| |
| Frank Gusman |
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| 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. |
| Thank I ongalls |
| 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. |