Office Copy

# U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE



## FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 100
SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

| Section 1 , unsurveyed, Township 1 S., Rang | ge 15 E.    |
|---|-------------|
|   | m 600 mm cm |
|   |             |
|   |             |
| 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      | d March 4, 1913          |

| Applicant for listing    | E. L. Higdon  |                   |
|--------------------------|---------------|-------------------|
| Residence                | Globe, Ar     | izona.            |
| Application No. 164,     | dated         | October 13 , 1910 |
| List No. 3-1475 , dated  |               | October 11 , 1911 |
| Applicant for survey     | E. L. Higd    | on 3 3 1 3 3 3    |
| Residence                | Globe, Ar     | izona.            |
| H. E. No. 017905 , dated | June 29,      | 1912              |
| Land district            | Phoenix, Ariz |                   |

| 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 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.  | Chainman<br>/Chainman |
| as a state of the form we think 30 th day of   |                       |
| Subscribed and sworn to before me this 30 had day of   |                       |
| December, 19/3. Watter & Lusly   |                       |
| Houst Shvice Suspens   |                       |
| OATH OF SURVEYOR   |                       |
| I Walter G. Turley. Forest Service Surveyor 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 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 GROOK 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.   |                       |
| Adret hevid lusvyos  | •                     |
| Subscribed and sworn to before me this day of  |                       |
| January, 1914.   |                       |
| SEAL. Hater Public   |                       |

#### . TE CROOK NATIONAL FOREST

| Chains  | Applicant for listing, E. Landigdon. Application No.   |
|---------|--|
|         | 164, dated October 13, 1910. List No. 3-1475, dated  |
|         | October 11, 1911. H. E. No. 017905, made by E. L.  |
| 00 .2 . | Higdon, June 29, 1912, at Phoenix, Arizona.  |
|         | Surveyed under special instructions from the Surveyor  |
|         | General of Arizona, dated October 30, 1913, and desig-   |
|         | nated as Homestead Entry Survey No. 1001 Direct  |
|         | 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.  |
|         | The second secon |
| ~813    | Listed under the Act of June 11, 1906 and survey author-   |
|         | ized by the Acts of June 11, 1906 and March 4, 1913.   |
| .105 03 | This survey was executed with a W. and L. E. Gurley  |
| e ni e  | light mountain transit No. 12953 with vertical circle  |
|         | and Burt solar attachment. The horizontal limb hav-  |
|         | ing two double verniers placed opposite and reading to   |
| , CF    | single minutes of arc, which is also the least gradua-   |
|         | tion on the latitude and declination arcs.   |
|         | Y .R. Evans.   |
|         | The instrument was tested and all necessary adjustments  |
|         | made to the levels, line of collimation, solar attach-   |
| pitt    | ment 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-   |
|         | . mgandths. id to epert fis vortach I . epivice  |
|         |  |
|         | December 6-1913: - 2 - 0 confired at introver a 70   |
|         | December 6, 1913: 8 x 8 replaced etastress a to  |
| A. B.   | At 11 h. 51 m. a.m., l.m.t., I set off 220 29' S. on   |
|         | the decl. arc and observe the sun on the meridian at cor.  |
| 21 Iks. | 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° 23'  |
|         |  |

#### CROOK NATIONAL FOREST

#### ARIZONA

164. dated Catcher 18, 1910. List No. 5-1478.

Chains on the lat. arc. Long. 110° 44' 33" W.

At 2 h. 00 m. p.m., 1.m.t., I set off 22° 29-1/2' S. on the decl. arc and 33° 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 satis-.alei | factory adjustment envi lo area estad beal

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.

The instrument was tested and all necessary rejustments

-Most December 6, 1913; of onil , alevel ent of eben

At 2 h. 30 m. p.m., 1.m.t., I set off 22° 31' on the decl. arc and 33° 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 and avanto on the . 200

. . A sycamore 28 ins. dia. bears S. 30° 30' W. 21 lks. dist. marked 2 H E S 99 B T.

#### TE CROOK NATIONAL FOREST

| Chains   | Chains  |
|--|---|
|  | aread . base as a work and d x 8 x SI enote             |
| 0.000  | The S. C. of T. 1 N., Rs. 15 and 15-1/2 E., which is a  |
| 21/02  | 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.    |
|  | and the distriction out. 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 |
|  | Lat. 33° 23' N. Long. 110°44'31" W.                     |
|  | Thence East2 bas . M samed , esnew Od. 8                |
|  | 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.       |
| I des-   | Ascend 20 ft. to cor H. H lo S .OH . TOD                |
| 1.58   | Road, bears N. and Stail out to seart lis your          |
| 1.90   | Fence, bears N. and S. O. C. H. S. dram bas , mislo     |
| 6.23   | Fence, abears NE and Sw. etiztroup aword beabed         |
| 6.33   | Freund, which I have heretofore mgrioN . Too or         |
| Guaman,  | Identical with cor. H-2 of the list survey, which is    |
| 2\f-£  | a gray granite stone 6 x 6 x 12 ins. above ground,      |
|  | marked and witnessed as described by the Forest Ser-    |
| .jeib  | . viceI destroy all trace of this list cor. and at      |
|  | the point I set a quartzite stone 30 x 16 x 9 ins. 20   |
| ogble.   | 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    |
| gnois  | 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.         |
| s el do  | house bears N. 13º 45 E. about 5.00 chs. dist.          |
| . marked   | The NW. cor. of E. L. Higdon's two story brick          |
| I .s:  | house bears N. 5° E. about 5.50 chs. dist.              |
| The state of the s |   |

#### TE CROOK NATIONAL FOREST

| Chains  | S 0 1/4 S. 34 T. 1 N., R. 15 E., which is a quartz      |
|---------|---|
|         | stone 12 x 8 x 5 ins. above ground, bears East          |
| a at    | The S. C. of T. I W Restantistion                       |
|         | No other bearings available. Pits impracticable.        |
|         | This is also cor. H-5 of List 3-280, T. J. Gibson's     |
|         | Entry 023562 Too mort . tefb . Edo . 2d . 4 teaW        |
|         |   |
| eidt 3  | Thence S. 249 30' W. miloso bitans an havracdo adm      |
| n gives | 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. 3.08 ravia tisz bas slip odt gaola          |
|         | . 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 des-     |
|         | troy all trace of the list cor. which refers to this    |
|         | claim, and mark 3-HES100 on the NNE. face of the im-    |
|         | bedded brown quartzite stone 39 x 20 x 6, ins. above    |
|         | ground, which I have heretofore marked 2-HES98 on the   |
| ai dol  | W. face for cor. No. 2-of. H.E.S. No. 98, Frank Gusman, |
| , Ďi    | and witnessed with a mound of stone 2 ft. base, 1-1/2   |
| -108    | ft. high W. of cor., from which, who be warm            |
| tel     | An oak 4 ins. dia. bears N. 83° W. 26 lks. dist.        |
| 08 .81  | re x ar marked 2 H E S 98 B T. fee I snioq and          |
| a rit.  | w how No other bearings available. Pits impracticable.  |
| -SEH-G  | eross (+) for cor. No. 2 of this survey marked          |
| es is   | Thence N. 8º2055 E. co o o east .WE ent no COI          |
| to      | Along the line 2-1 of H. E. S. No. 98. Descend along    |
|         | brow of hill 5 ft                                       |
| 5.00    | The SE. cor. of E. E. Higdon & . ON . as edf            |
| dist.   | Identical with cor. H-4 of the list survey, which is a  |
| No.     | quartzite boulder 14 x 10 x 8 ins. above ground, marked |
|         | and witnessed as described by the Forest Service. I     |
|         |   |

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| Chains | destroy all trace of this list cor. and mark 4-HES100    |
|--------|--|
| ai     | on the East face of the same stone, which I previously   |
|        | marked 1-HES98 for cor. No. 11 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. bus name of mark . 80          |
| .01    | Sid , SaPits impracticable and no bearings available.    |
|        | .088-8   |
| 13.    | Thence N. 40° 40' W.                                     |
|        | Along line 2-3 of H. E. S. No. 99, L. R. Evans.          |
|        | . Descend 85 ft. to creek bed. , sebutits.               |
| 2.82   | Right bank, Ice House Creek, 1 ft. high, course N.       |
| 3.17   | Road, bears N. and S. 88.8                               |
| 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.    |
| 7.05   | 8.59 8.59 9.59   |
| 80.    | Area of Homestead Entry Survey No. 100                   |
|        | Total area   |
|        |  |
|        | Improvements   |
| · do s | 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.          |
|        | THE STORM IS PAINTY INCIDENT BY & WILL TENGE.            |
|        |  |

### General Description

Value . . . . . \$ 10.00

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

|  | Globe Post Offic  | e and Ar   | izona Eastern Ry.  | station is  |      |
|--|---|--|--|---|------|
| era ,  | .approximately  | 1-1/4 mil  | les in a northerly   | direction.  |      |
| .00.   | E.S.E.E.S.  | oH . ros   | an, and S-HESSS for  | Gusin   |      |
| . 17 8   | This homestead en   | ntry is jo   | oined on the West.   | by H. E. S.   | N    |
|  | 98, Frank Gusn  | nan and. H.  | E. S. No. 99, L.   | R. Evans;   | and  |
| .6   | Idoon the East by   | T. J. G:   | ibson's Entry 0235   | 62, List No   |      |
|  | 3-280.  |  |  | a success Matter of the Special Actions                             |      |
|  |   |  | .W 'OP Decembe   | r 6, 1913.  | 9    |
|  | 99, L. H. Evans.  | .ou .e .a  | g line 2-5 of H. I   | Alon  |      |
|  | Latitudes   | , Departu  | res and Closing E  | rrors.  |      |
|  | Bearing , dald . t  | Dist.  | Latitude . Insp  | eparture 8.   | S    |
|  | East  |  | dears W. and S.  | , b6.33 TI.   | 8    |
|  |   | 9.44   | 8.59<br>er4.9500H esi alas   | 0170 38.  | .9]  |
| *0 CV  | N. 40° 40' W.   | 4.82   | 3.66   | 3   | .14  |
| • 0  | integrate country   | 25.59  | 8.61 8.59<br>8.59  | 7.03 7  | .05  |
|  |   |  |  | education y conservation and acceptable                             | .03  |
|  | Error in Lat. an  | id Dep.  | Ares of Hosostean  |   | . 02 |
| eros Si  | .Closing error 1:   | 905  | sets   | Intol   |      |
|  |   | entre de la companya   | no Ht  | 2 N /   | ,    |
|  |   |  |  | - / /   |      |
|  |   | ovements   | roux alley   | Muslu   | /    |
| this   | or the benefit of   |  | Description of the service of the se | e Surveyor.   | _    |
|  |   | on and fo  | - wine of  | V   | _    |
|  | E. Higdon, the cl   | on and for   | D DForest Service  | Home  |      |
| Jusai'   | C. Higdon, the cl.  | on and form  | profest Service  | Home  |      |
| iment  | E. Higdon, the cl.<br>og:<br>f which bears 3.   | on and for to E. I following center on   | atend and belongiving, consist of the  | Home hero   |      |
| imant<br>20 15                                       | E. Higdon, the cl.<br>og:<br>f which bears S.<br>o. 2 of this surv                        | on and for to E. ; following center on our. N  | atend and belongiving in, consist of the   | Home hero   |      |
| imant<br>20 15                                       | E. Higdon, the cl. og: f which bears S. c. 2 of this surv                                 | on and for to E. ; following center on our. No   | ateed and belongiving, consist of the 40 ft. deep, the .60 chs. dist. fro  | Home there A well W. 3  | 1    |
| 1mant<br>12° 15'<br>37.                              | E. Higdon, the cl.  og:  which bears S.  c. 2 of this surv  y a wire fence.               | on and for to E. ; following center on the cor. M. Value.  | atend and belongiving, consist of the  | Home there A well W. 3  | 1    |
| 1mant<br>12° 15'<br>37.                              | E. Higdon, the cl. og: f which bears S. c. 2 of this surv                                 | on and for to E. ; following center on the cor. M. Value.  | ateed and belongiving, consist of the 40 ft. deep, the .60 chs. dist. fro  | Home there A well W. 3  | 1    |
| 1mant<br>12° 15'<br>37.                              | E. Higdon, the cl.  og:  c. E of this surv  y a wire fence.                               | om and for to E. ; following center on our. No value.  | ateed and belonging in, consist of the 40 ft. deep, the count is partly in   | Home there A well W. 3  |      |
| 1 20 15 27 15 20 00 00 00 00 00 00 00 00 00 00 00 00 | E. Higdon, the cl.  15 which bears S.  20. 2 of this surv  21 s wire fence.  15 this surv | on and for to E. ; following center on the center of the center of the center on the center of the c | atend and belonging in, consist of the AO ft. deep, the count is partly in Cener   | Home here 4 well w. 3   |      |
| 32° 16' 37. 37. 30.00                                | E. Higdon, the cl.  15 which bears S.  2 of this surv  2 a wire fence.  1ption  1ption    | on and for to E. 1 center of the cor. No losed by value. The cor. The core of  | atend and belongians, consist of the 40 ft. deep, the .60 chs. dist. from the constead is partly in .60 chestead is partly in .60 chestead is consecuted in  | Home here 4 well w. 3 well This g                                   |      |
| 10.00 of for   | E. Higdon, the cl.  10:  10:  10:  10:  10:  10:  10:  10                                 | center of value. Walue. Value. Value. Tal Description of the content of the conte | orimately 3,800 ft   | Home hero dero w. 3 well w. 3 well well well well well well well we |      |
| 10.00 of for   | E. Higdon, the cl.  10:  10:  10:  10:  10:  10:  10:  10                                 | center of value. Walue. Value. Value. Tal Description of the content of the conte | atend and belongians, consist of the 40 ft. deep, the .60 chs. dist. from the constead is partly in .60 chestead is partly in .60 chestead is consecuted in  | Home hero dero w. 3 well w. 3 well well well well well well well we |      |

DIRECTIONS.—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. 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. 10 2 3 TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. ... 100. DEPARTURES 334 03 20 EAST. 9 2 28 30 59 SOUTH. 0 8 LATITUDES. 95 99 19 NORTH. 4 53 0 9.44 6.33 5.00 4.82 25 59 DISTANCE. Closing Error, 1:905. S. 24° 30' W N. 8° 05¹ ∄. - Ten 401 BEARING. N. 40° East Form 85. Sheet No. 3.—Revised Feb., 1915. 2-3 3-4 CORNERS. 8-2349

1.82 Acres M 11 90 23 29 11 2)36 46 5 75 57 S. AREAS. 75 18 E. L. Higdon. 62 49 N. AREAS. 39 27 디 STATE OF .Arizona. DOUBLE M. D. 78 58 14 34 9 0 S 53 04 14 05 919 WEST.

| = 1.88 Volen   |         |       |              |             |            |                     |         |
|----------------|---------|-------|--------------|-------------|------------|---------------------|---------|
| 78 52          | 8)36 46 | 75 GY |              |             | TG GT      | 90                  | 2 TEETS |
|                |         | 20 11 | 10 A C       | SA PS       |            |                     |         |
|                |         |       | 20 74        | 8점 급        | 8 18       | \$ 00 a             |         |
|                |         |       | N N          |             | 29 97      |                     |         |
|                |         | \$ 05 |              | NO          |            | 25.00<br>Carrier of |         |
|                |         | 8 23  |              |             | 62 8       | 8                   |         |
|                |         | 8 67  | 3 60         | क्ष क       |            |                     |         |
| 1:306.         |         | 89 gg | 4.85         | 00.d        | 35.C       | 03<br>03<br>0       |         |
| .doein, lisos. |         |       | · 400 40, M. | · 8° 09, E* | S & 30, W. | t a t               |         |
| 20             |         |       | A-I          | 3-4 11.     | * 00 P1 PS | 1-8 Bas             |         |

\*HODSIH .I .L . BUORILA TO HTATE

TONE OF HOMBEREY BRASK SORARY MG. JOO.

#### 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, datedOctober_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 Singalle   |
| 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.                                      |

