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U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

MAX.3- 1915

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 158

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

in

Section 13, unsurveyed, Township 1 S., Range 15 E.

Section 14, unsurveyed, Township 1 S. Range 15 E.

Section 23, unsurveyed, Township 1 S. Range 15 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

| Survey executed by Walter G. Turley, Surveyor-Forest | Service. |
|--|----------|
| Under special instructions dated December 4 | |
| Survey commenced October 15 | , 19.14 |
| Survey completed October 16 | ., 19.14 |
| Under Acts of June 11, 1906 and June 30, 1914. | |
| | |
| | |
| Applicant for listing Charles E. Rubottom | |
| Residence Globe, Arizona. | |
| Application No. 156 , dated June 22 | |
| List No. 3-1537 , dated November 2 | ., 19.11 |
| Applicant for survey Charles E. Rubottom | |
| Residence Globe, Arizona | |
| H. E. No. 021677 , dated March 18, 1913 | - 500 |
| Land district Phoenix, Arizona. | 8—2349 |

OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley
Surveyor-Forest Service in surveying all those
parts or portions of Homestead Entry Survey No. 158, in
unsurveyed Section 13, Township 1 S., Range 15 E.,
unsurveyed Section 14, Township 1 S., Range 15 E.,
unsurveyed Section 23, 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 Charles DAvilson Chainman very inconvenient and expensive to appear before an Charle Audiron officer to administer the oaths to Assistants; hence they were taken by the Surveyor. Subscribed and sworn to before me this , 19/1/. OATH OF SURVEYOR I, Walter G. Turley, Surveyor- Forest, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona , dated December 4, 1913, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land when the application of embraced in veyed a tract of land when the application of embraced in

List , No. 3-1537 dated Nov. 2 , 1911, for

Patent , under the Act of June 11 , 1906,
the same to be known as Homestead Entry Survey No. 158
situated within the CROOK National Forest, in

unsurveyed Section 13 , Township 1 S., Range 15 E.,
unsurveyed Section 23 , Township 1 S., Range 15 E.

of the G.& S.R.B. & meridian, Arizona , and the related retracements and resurveys and section subdivisions. 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. Subscribed and sworn to before me this 23 day of February, 19/4. 8-2349

My Commission expires April 20, 1910

HOMESTEAD ENTRY SURVEY NO. 158

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing Charles E. Rubottom; Application
No. 156, dated June 22, 1910; List No. 3-1537, dated
November 2, 1911; H. E. 021677 made by Charles E. Rubottom at Phoenix Arizona, March 18, 1913.

Surveyed under Special Instructions from the Surveyor

General of Arizona, dated December 4, 1913 and designated as Homestead Entry Survey No. 158.

Situated in the Crook National Forest, in unsurveyed

T. 1 S., R. 15 E., G. & S. R. B. and Meridian, in

what will probably be when surveyed in Secs. 13, 14

Surveyed under the Acts of June 11, 1906 and June 30,

Legister factorists

1.1914.

1 30" 87° 594 90" 3h. 20

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 of the verniers of the
latitude and declination arcs.

The instrument was examined, tested, and all necessary adjustments made to the levels, line of collimation, stadia interval and solar attachment.

The distances were measured on the slope and reduced to the horizontal, with a 200 link steel tape and a Philadelphia stadia rod with double targets, the rod being graduated to read in feet and hundredths and the target verniers to thousandths.

Preliminary to the survey the stadia interval was tested and adjusted to read 1:132.

120

Form 85. Sheet No. 2.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

October 15, 1914.

I observe the altitude of the sun for azimuth at cor. No. 1 of the list survey, which is a red sandstone 16 x 7 x 10 ins. above ground marked and witnessed as described by the Forest Service. The reading on the reference object was set at zero and the sun was observed in the upper left and lower right quadrants of the field in both observations. My watch is set for local mean time. Latitude 33° 20' 33" N. and Longitude 110° 44' 35" W., deduced from values given in the Special Instructions of the Surveyor General.

Horizontal Vertical Telescope Angle Angle . l.m.t. Direct 61° 05' 00" 23° 59' 30" 3h. 20m. 00s. Reversed 60° 57! 00" 23° 56' 00" 3h. 22m. 30s.

Second observation.

Direct 62° 19' 30" 22° 44' 30" 3h. 26m. 45s. Reversed 62° 05' 00" 22° 46' 30" 3h. 28m. 45s. Bearing of object by first observation S. 0° 01' 38" E. Bearing of object by second observation S. 0° 01' 58"

The mean of these is S. 0° Ol' 48" E. and from the corresponding meridian all the courses of this survey were deflected. Low has Lower at a ready

Thence by continuous angulation, to cor. No. 2 of the list survey, which is an imbedded quartzite stone 35 x 18 x 10 ins. above ground marked and witnessed as described by the Forest Service.

Thence N. 20° 11' W. or of botamine bus betaet

On a random line for a tie.

3.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains 35.25

U. S. L. M. No. 110, H. E. S.

Which is a conglomerate stone 20 x 10 x 12 ins.

above ground marked U S L M No 110 H E S on N. face,

with conical mound of stone 6 ft. base, 4 ft. high

alongside to South, marked stone being in perimeter

of base of mound. This U. S. L. M. is located on

a prominent hill approximately in center of unsurveyed

Sec. 14, T. 1 S., R. 15 E., 2 miles 15.30 chs. S. of

the base line.

The N. gable of the Pinal Ranger Station bears
S. 39° 38' W., 1 mile 32.00 chs. dist.

Smelter Smokestack at Old Dominion in Globe bears N. 3° 15' W. 4 miles.

Webster Peak bears N. 37° 18' W., 9 miles.

Forest Service Watch Tower on Pinal Peak bears

S. 38° 08' W., 5 miles.

Water Tank on A. E. Ry. in Cutler bears N. 85°
41' E., 7 miles.

110, water mound everer 8

Thence S. 20° 11' E.
On a true line.

35.25

Cor. No. 1.

Identical with cor. H-2 of the list survey, heretofore described. I destroy all trace of this list cor. and mark a cross on the apex and 1-HES158 on the S. face of the same stone for cor. No. 1 and raise a mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor., from which:

A catsclaw 4 ins. dia., bears S. 22° 07' E.

120 lks. dist. marked 1 H E S 158 B T.

CROOK NATIONAL FOREST

STATE OF ARIZONA TATE

Chains

A catsclaw 4 ins. dia., bears S. 72° 29' E. 64 lks. dist., marked 1 H E S 158 B T.

I observe the magnetic declination at cor. No. 1 to be

14° 33' E. at 4h. 00m. p.m., l.m.t., which reduced

by Table "G", Manual 1894 Diurnal Variations in Mag
netic Declination, gives a mean magnetic declination

of 14° 34' E. Lat. 30° 20' 17" N., Long. 110° 45' 10" W., from special instructions of the Surveyor General. Thence N. 60° 42' E.

Descend S. slope 20 ft. to ravine.

- 15.02 Ravine, course SE. Ascend S. slope to ridge.
- 37.10 Ridge, bears NW. and SE. Descend 55 ft. to ravine.
- 42.60 Ravine, course SE. Ascend 50 ft. to ridge.
- 48.50 Ridge, bears NW. and SE. Descend 30 ft. to cor.
- 50.63 To cor. No. 2.

Identical with cor. H-1 of the list survey, heretofore described. I destroy all trace of the list
cor. and mark 2-HES158 for cor. No. 2 of this survey on the SW. face of the quartzite boulder 16 x 10
x 16 ins. above ground which I previously marked
1-HES110 on SE. face for cor. No. 1, H. E. S. No.
110, with mound stone 2 ft. base, 1-1/2 ft. high,
SE. of cor., from which:

- + on an imbedded schist stone 48 x 36 x 12 ins.

 above ground, marked 1 H E S 110 2 H E S 158

 B R, bears S. 78° E., 67 lks.
- + on an imbedded schist stone 36 x 36 x 6 ins.

 above ground, marked 1 H E S 110 2 H E S 158

 B R, bears S. 26° 02' E., 56 lks. dist.

Thence S. 21° 00' E.

Along line 1-7 of H. E. S. No. 110, Joe Wilkins.

HOMESTEAD ENTRY SURVEY NO. 158

CROOK NATIONAL FOREST

STATE OF ARIZONA

course E. Ascend N. slope 50 ft. to cor.

Chains Descend S. slope 50 ft. to Creek.

7.94 Road, bears NE. and SW.

8.94 Sixshooter Creek, 45.1ks. wide, banks 2 ft. high,

13.75 To cor. No. 3. Tello Mas al Daniel of tello of

Identical with cor. No. 6 of the list survey, which is a granite stone 14 x 6 x 14 ins. above ground marked and witnessed as described by the Forest Service, also cor. No. 7, H. B. S. 110. I destroy all trace of this list cor. and mark 3-HES158 for cor. No. 3 of this survey on the NW. face of the schist stone 10 x 8 x 10 ins. above ground which I previously set and marked for cor. No. 7, H. E. S. 110, with mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor. from which:

fon a conical gray granite stone, 4 ft. base,

4 ft. high, marked 7 H E S 110 3 H E S 158

B R, bears N. 46° 35' E., 120 lks. dist.

+ on an imbedded schist stone, 60 x 36 x 24 ins.

above ground, marked 7 H E S 110 3 H E S 158

B R, bears N. 23° 52' W., 17 lks. dist.

'Ascend along N. slope in undergrowth, 10 ft. to cor.

48.66 To cor. No. 4.

Identical with cor. H-5 of the list survey, which is an imbedded gray granite boulder 8 x 8 x 6 ft. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross at the apex of the same stone and 4-HES158 on the NW. face for cor. No. 4 of this survey; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor., from which:

HOMESTEAD ENTRY SURVEY NO. 158

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STATE OF ARIZONA

Chains

+ on an imbedded granite boulder 48 x 36 x 48 ins. above ground, marked 4 H E S 158 B R. bears N. 42° 16' E., 101 lks. dist.

No other bearings available. It was impracticable

dollar . Tovada Juli ed lo d . of . co October 15, 1914.

October 16, 1914. Topos as beggenting the house

. Along NW. slope in undergrowth to cor.

Identical with cor. H-4 of the list survey, which is a granite stone 14 x 6 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 granite stone 24 x 12 x 6 ins., 14 ins. in the ground over a small stone marked with a cross for cor. . No. 5 of this survey, marked 5-HES158 on the N. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor., from which:

> .A hackberry 10 ins. dia., bears N. 26° 28' E., 119 1ks. dist., marked 5 H E S 158 B T. A mesquite 6 ins. dia., bears N. 13° 22' W.

. 100 0 , 100 188 1ks. dist., marked 5 H E S 158 B T.

Thence N. 38° 21' W.

. Descend NW. slope 5 ft. to Creek.

4.25 Sixshooter Creek, 50 lks. wide, banks 1 ft. high, course

. To NE. Ascend SE. slope 30 ft. to cor.

7.26 To cor. No. 6. To koma ent de en

- Identical with cor. H-3 of the list survey, which is - a granite stone in place 8 x 14 x 6 ins. above ground marked and witnessed as described by the Forest Ser-

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

vice. I destroy all trace of this list cor. and at this point I set a porphyry stone 24 x 10 x 6 ins.,

14 ins. in the ground over a small stone marked with a cross for cor. No. 6 of this survey, marked 6-HES158 on the E. face and raise a mound of stone 2 ft. base,

1-1/2 ft. high, E. of cor., from which:

An oak 4 ins. dia., bears N. 37° 27' E. 196 lks. --- dist., marked 6 H E S 158 B T.

An oak 4 ins. dia., bears S. 53° E., 82 lks. dist. marked 6 H E S 158 B T.

No other bearings available. Pits impracticable.

Thence 'N. 33° 33' E.

Descend SE. slope 30 ft. to cor.

5.50 Arroyo, 10 lks. wide, course SE.

29.55 To cor. No. 1 of this survey, the place of beginning.
October 16, 1914.

AREA

Area of Homestead Entry Survey No. 158 -- 70.63 acres.

IMPROVEMENTS.

A well 4 x 4 x 30 ft. deep and the center of which bears N. 65° W. 6.76 chs. dist. from cor. No. 3 of this survey.

Value ---- \$150.00

CROOK NATIONAL FOREST

STATE OF ARIZONA.

| Chains | A frame dwelling 12 x 40 ft. the long side of which |
|----------|--|
| 4 . 8 | bears E. and W. and the SE. cor. of which bears N. 700 |
| ditw | 30' W. 6.26 chs. dist. from cor. No. 3 of this survey. |
| HTRIPS | 6 Desiran , vovina alValue \$400.00 |
| osse, | A shed 12 x 15 ft. the long side of which bears N. and |
| | S. and the SE. cor. of which bears N. 76° 30' W. 6.67 |
| LKS. | chs. dist. from cor. No. 3 of this survey. |
| | . 1 4 8d Value \$ 25.00 |
| . deeb . | CIL SS . 1 283 . 8 syper S . ara . ara . ara . ara |

GENERAL DESCRIPTION.

tion of approximately 3,900 feet and is chiefly valuable for grazing and intensive farming. The soil is a sandy loam and no mineral appears upon this claim.

Globe Postoffice and A. E. Ry. Station is 4 miles in a northerly direction.

CONFLICTS AND ADJOINING CLAIMS.

This claim is joined on the Northeast by H. E. S. No.

TRAVERSE.

| Bearing | Dist. Non None | a same vo | E coni en W |
|--|--|------------------------|----------------|
| N. 60° 42' E. S. 21° 00' E. S. 68° 30' W. S. 32° 38' W. | 50.63 24.78 13.75 48.66 29.04 | | 45.27 15.66 |
| N. 38° 21' W. | 7.26 5.69 29.55 24.63 | | 4.50 |
| Error in Lat. an | 178.89 55.10 d. Dep. | 55.13 65 55.10 • 03 | 65.43 |

A well 4 x 4 x 30 ft. deep and the center of which

O. Closing Error 1:4962. ... Sulav

Surveyor, Forest Service

9-2340

Form 85. Sheet No. 3.

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

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

3. In calculations of faure or figures above in red ink. Do not 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.

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.

| Rubot tom | • | | | | | , | | | |
|-------------------|--------------|-------|---------------|---------------|---------------|----------------|---------------|---------------|--|
| Crook-Chas. F. Ru | S. AREAS. | | | 92 2121 | 1595 04 | #0.0201 202 | 87.000 | | 3744.90 2332.35 1412.55 70.63 |
| Grook | N. AREAS. | * | 1904.37 | 77 | | | 2 40 | 409 37 | 2532.55 Area |
| OF ARIZONA | DOUBLE M. D. | | 76.82 | 125.91 | 85.58 | 24.66 | 4.50 | 16.33 | |
| DEPARTIRES | Ween | WEST. | | | 45.27 | 15.66 | 4.50 | | 65.43 |
| 001 | EAST | | 44.18 | 4.93 | | | | 16.33 | 65,42 |
| LATITUDES. | South. | | | 12.84 | 17.82 | 24.46 | | | 55.13 |
| LATI | North. | | 24.78 | | | | 5.69 | 24.63 | 55.10 |
| | DISTANCE. | | 50.63 | 13.75 | 48.66 | 29.04 | 7.26 | 29,55 | 178.89 |
| OF A DIVI | DEALING. | 7 | N. 60° 42' E. | S. 21° 00' E. | S. 68° 30' W. | S. 32° 38' W. | M. 38° 21' W. | N. 33° 33' E. | or 1:4962 |
| COBNERS | | | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-1 | Closing error 1:4962 |
| | | | | | | | | | |

uncareas: - F. Cours out calcans

7. In personal remainder and Deformation of Difference or change the original practed

The corrections for the parcies followed by the country the original frages.

The corrected favores followed by red the Drugs the original frages.

| 1412 PP \$2855 22 \$344 00 | | | 81,000 | 10.00.000 | BA A FAF | | P. VEEVE | |
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| ಕ್ಷಾ ತಿರ್ವಿತ | 400° 20A | 25.67 | | | | 1304.3W | · CANGOLIA IN | |
| | 3.0° | 0d. Þ | 99. No | 83.38 | 125.91 | ¥6.63 | | |
| G.≱. 68.0 | | 0G. A | 10.60 | 45.24 | | | WEST. | DESTRACTERS. |
| I.p. da | Te 32 | | | | 4.93 | 林.路 | LAST | |
| 01 - da | | | 34.46 | 74.82 | TS - 84 | | .Hong. | LATERDES. |
| PP-170 | 84.63 | 69.6 | | | | 84.18 | , может | TAKET |
| 778.80 | 29.55 | 38.1 | 29.04 | 30.84 | 7.5 .15 | 50.03 | | DIBLYMOR |
| | 神 | | - | • | in | ы | | |
| 368 | 222 | 28° ST. | 188 0 | 0 30 | 000 ° | 0 F5. | | BEVBIRG. |
| 7:4 | 11. 23% | 7. 28 | 2. SS. | 2. 680 | B. ST. | M . 60° | | |
| Closing error 1:6968 | II. | | 3 - D | 10 P | 50 L 30 | 1 1 20 | | |

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CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains Observations of October 15, 1914. Latitude of Base line . 33° 22' 33" N. from Special Correction for 160.21 chs. 2' 00" Instructions.

33° 20' 33" N. lat. of place of Long. at S.C. Secs. 34 and 36, T. 1 N., Rs. 15 and 15-1/2 E. 110° 44' 31" W. from Special ess "0004 sa Instructions. Correction for 4.49 chs. 110° 44' 35" W. Long at place of observation Elevation 3,900 ft. coefficient 0.88 Temperature + 55° F. coefficient 0.99 efraction. Telescope Horizontal Vertical Apparent Local Mean Angle Angle Time Time Pos. Sun Direct 61° 05' 00" 23° 59 30" 3h 34m 7s 3h 20m 0s Reversed 60° 57' 00" 23° 56' 00" 3h 36m 37s 3h 22m 30s 122° 02' 00" 47° 55' 30" 7h 10m 44s Mean 61° 01' 00" 23° 57' 45" 3h 35m 22s 0.88 x 0.99 x 21 09" = 1' 52" correction for temperature and elevation. 23° 57' 45" - 0° 1' 52" = 23° 55' 53" altitude corrected . foob . alafor refraction rel .net .rel .net - --Decl. at Greenwich noon apparent time 8° 18' 13.5" S. Decl. of sun at observation 8° 28' 24.9" Alt. 23° 55' 53" Cos. A. = Cos. lat. cos. alt.

Decl. 8° 28' 25" Lat. 33° 20' 33" N. 83304

Log. cos. lat. -9.921894 | log. tan. lat. = 9.818186 | log. cos. alt. -9.960962 | log. tan. alt. = 9.647182 | 9.882856 | = log. tan. alt. = 9.647182 | 9.465368 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -2919899 | -29

A = 60° 59' 22" Bearing of object S. 0° 01' 38" E.

Pos.

CROOK NATIONAL FOREST

STATE OF ARIZONA

| | Chains | Long. place of obsn. 110° 44' 35" W. October 15, 1914. Lat. place of obsn. 33° 20' 33" N. See first observation for detailed computations of lat. |
|---|--------|---|
| | ace of | long. elevation and temperature. |
| | 15-1/8 | Telescope Horizontal Vertical Apparent Local Mean Angle Time Time |
| | | |
| | e of | Reversed 62° 05' 00" 22° 46' 30" 3h 42m 52s 3h 28m 45s |
| - | | 0.88 x 0.99 x 2' 17" = 1' 59" correction for temperature and elevation. |
| | | 22° 45' 30" - 1' 50" = 22° 43' 31" correction (alt.) for refraction. |
| | Mean . | Decl. at Greenwich noon apparent time 8° 18' 13.5" S. |
| | aO mo | Correction for 11.0801 h. |
| | an 30s | Decl. of sun at observation . 8° 28' 29.5" S. |
| | | lat. 33° 20' 33" No '100 '80 '831 nash |
| | | alt. 22° 43' 31" / "80 '1 = "80 IS x 88.0 x 88.0 |
| | | ded1.8.28.28.29.5" S.8.2 = "Sd 'L 'O' - "d4 'Vd 'SS |
| | | Cos. A. = sin. decl tan. lat. tan. lat. |
| | • 0 | log cos lat. 9.921894 mis dil ror enterpid |
| | | log. cos. alt. 9.964904 vreaco de mus lo .1090 |
| | | . 1005 . 19.886798 log. tan. lat. 9.818186 |
| | | log: sin: decl. 9.168425 191261 log.tan.alt.9.622036 |
| | 201 | 18.9 = . Jel . med . gof 40222 |
| | 281 | 10.0 = .118 Cos. A.01 3020466825 .118 .800 .801 |
| | 0036 | A. 62° 10' 17" Bearing of object S. 0° 01' 58" E. |
| | | 7.A. |

A = 60° 59' 22" Bearing of object S. 0° 01' 38"

Pos. Sun.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 28, 1916.

| The foregoing field notes of Homestead Entry Survey No. |
|---|
| 158 |
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| executed by Walter G. Turley, Surveyor-Forest Service |
| under his special instructions, dated <u>December 4</u> , 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. |
| Shank (B. Short |
| 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 P. Trott |
| 8-2349 U. S. Surveyor General. |