

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

NOV 25 1915  
NOV 25 1916

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 138

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 8, unsurveyed, Township 4 N., Range 15 E.

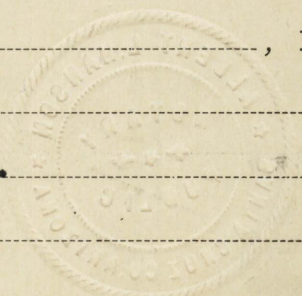
of the

G. & S. R. B. & Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor, Forest Service.  
Under special instructions dated November 29, 1913  
Survey commenced October 4, 1914  
Survey completed October 5, 1914  
Under Acts of June 11, 1906, and June 30, 1914.

Applicant for listing Henry J. Ellis.  
Residence Roosevelt, Arizona.  
Application No. 93, dated February 29, 1908  
List No. 3-129, dated April 9, 1909  
Applicant for survey Urbane, House  
Residence Roosevelt, Arizona.  
H. E. No. 014776, dated June 24, 1911  
Land district Phoenix, Arizona.



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. \_\_\_\_\_ in  
un surveyed Section 8, Township 4 N., Range 15 E.,  
~~un 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.

Charles D. Hodson Chainman  
Charles Baecht Chainman

Subscribed and sworn to before me this tenth day of  
October, 1914.

Walter G. Turley  
Surveyor, Forest Service.

OATH OF SURVEYOR

I, Walter G. Turley, Surveyor, Forest Service, do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
November 29, 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 ~~for the application of~~ embraced in  
List Patent, No. 3-129, dated April 9, 1909, for  
June 11, 1906,  
the same to be known as Homestead Entry Survey No. 138,  
situated within the Tonto National Forest, in  
un surveyed Section 8, Township 4 N., Range 15 E., and  
~~un 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  
Surveyor, Forest Service.

Subscribed and sworn to before me this 4th day of

December, 1914.  
my commission expires July 1, 1916

Albert L. Hanson



Notary Public.

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TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Henry J. Ellis; Application No. 93, dated February 29, 1908; List No. 3-129, dated April 9, 1909; Homestead Entry No. 014776; made in the Phoenix Land Office on June 24, 1911, by Urbane House whose postoffice address is Roosevelt, Arizona.

Surveyed under Acts of June 11, 1906, and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated November 29, 1913, and designated as Homestead Entry Survey No. 138.

Situated in what will probably be, when surveyed, sec. 8, T. 4 N., R. 15 E., G. & S. R. B. & M. within the Tonto National Forest, Arizona.

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Survey commenced October 4, 1914, and executed with

a W. & L. E. Gurley light mountain transit No. 12953 provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite to each other and graduated to single minutes of arc, which is also the graduation upon the verniers of the latitude and declination arcs.

I test the adjustments of the transit and solar attachment, and make necessary corrections. The stadia wire interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from measurements made directly on the slope, with a standard 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer the vernier of which reads to degrees; and a Philadelphia stadia rod, graduated to feet and hundredths, provided with two targets the verniers of which read to thousandths of a foot.

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STATE OF ARIZONA

Chains on October 4, 1914.

set up my transit over the point for cor. No. 1 of this survey which is N. 4° 48' W., 9.00 chs. dist. from cor. H-1 of List 3-129, and, with telescope direct, I observe Polaris in accordance with instructions at 7h. 50m., p.m., l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station, in lat. 33° 43' 34" N. and long. 110° 51' 09" W.

Astron. l.m.t., obsn. Oct. 3, 1914. 3h. 50.0m. ✓

Astron. l.m.t., U.C. Pol. Oct. 3, 1914. 12h. 41.1m. ✓

Hour angle Pol. at obsn. 19h. 08.9m.  
23h. 56.1m.

Time argument 4h. 47.2m. ✓

Azimuth Pol. at obsn. 1° 19' 12" E.

With my transit set up over the point for cor. No. 1 of this survey heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 02m. p.m., l.m.t., on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. l.m.t., obsn. Oct. 3, 1914. 3h. 02.0m.

Astron. l.m.t., U.C. Pol. Oct. 3, 1914. 12h. 41.1m.

Hour angle Pol. at obsn. 19h. 20.9m.  
23h. 56.1m.

Time argument 4h. 35.2m. ✓

Azimuth of Pol. at obsn. 1° 17' 42" E.  
October 4, 1914.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains October 5, 1914.

I turn off  $1^{\circ} 19'$  the azimuth of Polaris, to the W. from her direction at 7h. 50m., p.m., l.m.t., October 4, 1914; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

I also turn off  $1^{\circ} 17\frac{1}{2}'$  the azimuth of Polaris to the W. from her direction at 8h. 02m., p.m., l.m.t., October 4, 1914; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. This line falls  $0^{\circ} 00' 28''$  of measured arc to the W. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

Latitude  $33^{\circ} 42' 35''$  N., and longitude  $110^{\circ} 50' 44''$  W. at the approximate location of cor. to secs. 4, 5, 8, and 9 taken from the special instructions of the Surveyor General, which gives latitude  $33^{\circ} 42' 34''$  N. and longitude  $110^{\circ} 51' 09''$  W. at cor. No. 1 of this survey. It was not possible to check the latitude by direct observation upon the sun on account of cloudy weather.

My watch is set for standard 105th meridian time with which I compared time on October 1, 1914. I subtract 23m. 25s. therefrom for l.m.t. October 5, 1914.

At 8h. 00m. a.m., l.m.t., I observe the magnetic

Chains

declination to be 15° 00' E. which reduced gives

a mean magnetic declination of 14° 57' E.

There is no corner of the public land survey within two miles of this claim; therefore, I established U.S.L.M. No. 138 H. E. S. in accordance with instructions. At a point on a prominent ridge approximately 6.00 chs. E. of Raccoon Creek, and 1.70 chs. S. of road to Cherry Creek; I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 22 ins. in the ground, over which I set a sandstone 30 x 10 x 6 ins. 22 ins. in the ground chiseled (+) at the point and U S L M No 138 H E S on the W. face, and raise a mound of stone 6 ft. base, 4 ft. high, E. of cor. from which a 4 in. palo verde scribed U S L M No 138 H E S bears N. 67° 00' E. 48 lks. A 20 in. fig tree (not scribed) bears S. 32° 20' W. 5.50 chs. A prominent mountain bears S. 11° 41' E. estimated 15 miles.

The watch tower on Aztec peak bears N. 26° 18' W. approximately 8 miles. No other prominent topographic features are visible from this point.

Thence N. 12° 34' W. to a true line by direct measurement for a tie.  
8.73 To cor. No. 1

At which point I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 15 ins. in the ground, over which I set a sandstone 25 x 12 x 7 ins. 15 ins. in the ground chiseled (+) at the point and 1-H E S 138 on the SW. face and raise a mound of stone 2 ft. base, 1½ ft. high, SW. of cor. from which

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A 5 in. palo verde, scribed 1 H E S 138 + B T,  
bears N. 13° 08' W., 136 lks.

A 5 in. palo verde, scribed 1 H E S 138 + B T,  
bears N. 39° 30' W., 118 lks.

Thence S. 4° 48' E.

Asc. NW. slope 15 ft. in undergrowth.

1.50 Ridge bears E. and W. Desc. SW. slope 10 ft.

6.77 Arroyo, 30 lks. wide, banks 2 ft. high, course W.

Asc. NW. slope 10 ft.

7.50 Cherry Creek - Roosevelt road bears E. and W.

9.00 To cor. H-1 of List 3-129, a sandstone 10 x 6 x 7 ins.

above ground, marked and witnessed as described by the  
Forest Service. I destroy cor. H-1 and its witnesses.

Desc. 15 ft. along rolling W. slope in undergrowth.

49.25 To cor. No. 2.

Identical with cor. H-2 of List 3-129, which is a  
basalt stone 7 x 4 x 5 ins. above ground, marked and  
witnessed as described by the Forest Service. I de-  
stroy cor. H-2 and its witnesses; and, for cor. No. 2  
of this survey, I chisel (+) on a stone 4 x 3 x 2 ins.,  
and deposit it 18 ins. in the ground, over which I set  
a sandstone 28 x 13 x 4 ins., 18 ins. in the ground;  
chiseled (+) at the point and 2 - H E S 138 on the W.  
face; and raise a mound of stone 2 ft. base, 1-1/2 ft.

high, W. of cor., from which;

A 6 in. mesquite, scribed 2 H E S 138 + B T,  
bears N. 58° 00' W., 107 lks.

A 4 in. mesquite, scribed 2 H E S 138 + B T,

bears S. 7° 00' W., 141 lks.

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Thence S. 20° 06' W.

Desc. along rolling W. slope in undergrowth 30 ft.

31.08 To cor. No. 3.

Identical with cor. H-4 of list 3-129, which is a sandstone 14 x 14 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses; and, for cor. No. 3 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 16 ins. in the ground; over which I set a porphyry stone 26 x 14 x 9 ins., 16 ins. in the ground, surrounded by a mound of stone, chiseled (+) at the point and 3 - H E S 138 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., from which:

A 10 in. sycamore, scribed 3 H E S 138 + B T, bears N. 9° 40' W., 101 lks.

A 14 in. sycamore, scribed 3 H E S 138 + B T, bears N. 51° 30' W., 88 lks.

Cor. H-3 of List 3-129, which is a sandstone 9' x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 10° 00' E., 6.00 chs. dist. from cor. No. 3 of this survey. I destroy cor. H-3 and its witnesses.

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Thence N. 89° 50' W.

Desc. W. slope 5 ft. in undergrowth.

2.08 Raccoon Creek, 25 lks. wide, banks 2 ft. high, course S.

Asc. E. slope 10 ft.

2.40 Roosevelt - Cherry Creek road bears N. and S.

3.60 Irrigating ditch, 3 lks. wide, course S.



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4.00 To cor. No. 4.

Identical with cor. H-5 of List 3-129, which is a sandstone 10 x 5 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-5 and its witnesses; and for cor. No. 4 of this survey, I chisel (+) on a stone 3 x 3 x 2 ins., and deposit it 16 ins. in the ground; over which I set a quartzite stone 26 x 10 x 10 ins., 16 ins. in the ground, chiseled (+) at the point and 4 - H E S 138 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor., from which:

A 34 in. cottonwood, scribed 4 H E S 138 + B T, bears N. 79° 30' E., 175 lks.

A 10 in. sycamore, scribed 4 H E S 138 + B T, bears N. 47° 18' E., 263 lks.

Thence N. 0° 27' E.

Along E. slope in undergrowth.

12.10 Enter arroyo, 10 lks. wide, course SE. Asc. along W. slope 50 ft.

48.80 Ridge bears NW. and SE. Desc. NE. slope 10 ft.

55.30 Arroyo, 30 lks. wide, banks 1 ft. high, course E.

60.00 Arroyo, 30 lks. wide, banks 1 ft. high, course SE.

Asc. S. slope 15 ft.

67.10 Spur bears E. and W. Desc. N. slope 15 ft.

71.40 Arroyo, 20 lks. wide, banks 1 ft. high, course SE.

Asc. S. slope 20 ft.

76.40 Ridge bears E. and W. Descend NE. slope 10 ft.

78.11 To cor. No. 5.

Identical with cor. H-6 of List 3-129, which is a

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Chains quartzite stone 8 x 7 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-6 and its witnesses, and for cor. No. 5 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins. which I deposit 14 ins. in the ground; over which I set a diabase stone 24 x 9 x 8 ins., 14 ins. in the ground, surrounded by a mound of stone, chiseled (+) at the point and 5 - H E S 138 on the SE. face; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:

A 9 in. juniper, scribed 5 H E S 138 + B T,  
bears N. 21° 30' E., 96 lks.

No other bearings available. Pits impracticable.

Thence N. 89° 05' E.

Desc. E. slope 30 ft. in undergrowth.

6.47 Raccoon Creek, 10 lks. wide, banks 4 ft. high, course S.  
Asc. NW. slope 5 ft. in undergrowth.

8.17 Arroyo, 40 lks. wide, banks 2 ft. high. Course SW.

8.87 Cor. H-7 of List 3-129, a sandstone 7 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-7 and its witnesses.

10.00 To cor. No. 1, the place of beginning.

Area

Total Area - - - - - 86.92 acres

IMPROVEMENTS

The improvements made upon and for the benefit of this

homestead consist of the following:

A frame stable, 28 x 24 ft., the long side extending N.

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and S. and the NE. cor. of which bears S. 7° 05' W.,

10.28 chs. dist. from cor. No. 1 of this survey.

Estimated Value ----- \$300.00

A log dwelling, 20 x 16 ft., the long side extending E.

and W. and the NE. cor. of which bears S. 1° 15' W.,

13.21 chs. dist. from cor. No. 1 of this survey.

Estimated Value ----- \$250.00

Approximately 1/4 mile of irrigating ditch.

Estimated Value ----- \$ 20.00

Approximately 2 acres of cultivated land.

Approximately 1/2 mile of fencing.

Estimated Value ----- \$ 50.00

DESCRIPTION

This claim is situated on Raccoon Creek, which drains southward into Salt River, at an elevation of approximately 3,000 feet; and is chiefly valuable for a stock ranch.

There is no timber in this section.

Sufficient water for domestic purposes and for irrigation is obtained from Raccoon Creek.

The bottom soil is a sandy loam and produces the ordinary crops of the temperate zone with irrigation. Good crops of alfalfa, corn, sorghums and a garden have been raised.

The slopes are decomposed granite and clay, and are valuable only for pasture.

This is not reported to be a mineralized section, and no townsites, mining, coal or oil claims are known to have been located in this vicinity.

Roosevelt post office is 30 miles by wagon road in a

HOMESTEAD ENTRY SURVEY NO. 138

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STATE OF ARIZONA

Chains

westerly direction. Globe railway station is 34 miles  
by wagon road in an easterly direction.

There are no conflicts.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 4° 48' E.	49.25		49.08		4.12
2-3	S. 20° 06' W.	31.08		29.19		10.68
3-4	N. 89° 50' W.	4.00		0.01		4.00
4-5	N. 0° 27' E.	78.11	78.11			0.61
5-1	N. 89° 05' E.	10.00		0.16		10.00
		172.44	78.28	78.27	14.73	14.68
Error in Lat. and Dep.			78.27		14.68	
			.01		.05	

Closing error, 1:3382.

Survey completed October 5, 1914.

*Walter P. Turley*

Surveyor - Forest Service

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. 138, STATE OF ARIZONA, House, Urbana, Tonto.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
02268 99649 1-2	S. 4° 48' E.	49.25		49.08	4.12	0	25.28	1240.74	
34266 92709 2-3	S. 20° 06' W.	31.08		29.19	10.68	9	18.69	545.56	
— 00221 3-4	N. 89° 50' W.	4.00	0.01		4.00		4.00		0.04
00785 — 4-5	N. 0° 27' E.	78.11	78.11		0.61	59	0.59	46.08	
99587 07600 5-1	N. 89° 05' E.	10.00	0.16		10.00		11.18	1.79	
		172.44	78.28	78.27	14.73	14.68	47.91	1786.30	
			78.27		14.69	14.69		47.91	
			Closing error 1:3382					1738.39	
							Area	86.92	

T. H.

129

CORRECTION	REMARKS	DISCOUNT	TOTALS		DEBIT		CREDIT		BALANCE	DATE	PAGE
			AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT			
P-1	100.00	5%	100.00		100.00				100.00	1918	1
P-2	100.00	5%	100.00		100.00				100.00	1918	2
P-3	100.00	5%	100.00		100.00				100.00	1918	3
P-4	100.00	5%	100.00		100.00				100.00	1918	4
P-5	100.00	5%	100.00		100.00				100.00	1918	5
P-6	100.00	5%	100.00		100.00				100.00	1918	6
P-7	100.00	5%	100.00		100.00				100.00	1918	7
P-8	100.00	5%	100.00		100.00				100.00	1918	8
P-9	100.00	5%	100.00		100.00				100.00	1918	9
P-10	100.00	5%	100.00		100.00				100.00	1918	10

TABLE AND CALCULATIONS OF HOMELEAD EMERGENCY NO. 123 STATE OF VERMONT HORSE, IRVING, VERMONT

1. On the first of the month the District Office, the State Office, General, and the Commission.

2. In accordance with the provisions of the Act, the Commission shall have the power to issue orders for the payment of the same.

3. In the event of a dispute, the Commission shall have the power to refer the matter to the State Office.

4. The Commission shall have the power to issue orders for the payment of the same.

5. In the event of a dispute, the Commission shall have the power to refer the matter to the State Office.

6. The Commission shall have the power to issue orders for the payment of the same.

7. In the event of a dispute, the Commission shall have the power to refer the matter to the State Office.

8. The Commission shall have the power to issue orders for the payment of the same.

9. In the event of a dispute, the Commission shall have the power to refer the matter to the State Office.

10. The Commission shall have the power to issue orders for the payment of the same.

APPROVAL

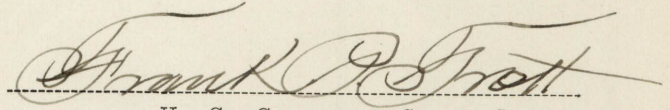
Office of the United States Surveyor General,

Phoenix, Arizona, November 27, , 1916

The foregoing field notes of Homestead Entry Survey No.

138.

executed by **Walter G. Turley, Surveyor, Forest Service.**  
[Forest Service Title.]  
under his special instructions, dated **November 29,** , 1913, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the  
above-described survey in the State of **Arizona** , has been  
correctly copied from the original notes on file in this office.

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**Frank P. Trott,**  
U. S. Surveyor General.