

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUN 5 - 1917

NOV 12 1916

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 213

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section <sup>35</sup> 34, unsurveyed, Township 8 N., Range 12 E.

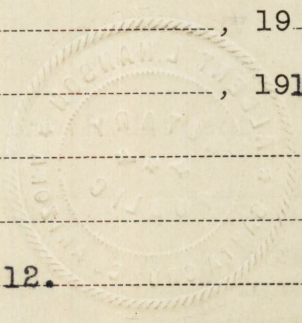
of the

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

ARIZONA

Survey executed by Walter G. Turley, Surveyor,  
Under special instructions dated July 21, 1914  
Survey commenced September 22, 1914  
Survey completed September 23, 1914  
Under Acts of June 11, 1906, and June 30, 1914.

Applicant for listing Ernest Bassett,  
Residence Roosevelt, Arizona.  
Application No. 243, dated May 6, 1911  
List No. 5-1315, dated May 25, 1911  
Applicant for survey Edd Mann  
Residence Roosevelt, Arizona  
H. E. No. 019140, dated September 7, 1912.  
Land district Phoenix, Arizona.



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OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,  
Surveyor, in surveying all those  
parts or portions of Homestead Entry Survey No. 213, in  
unsurveyed Section 34, Township 8 N., Range 12 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 expen-  
sive to appear before an of-  
ficer to administer the oaths  
to assistants; hence they were  
taken by the surveyor.

Charles D. Hudson Chainman.  
Charles G. 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, do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
July 21, 1914, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, sur-  
veyed a tract of land ~~under the application of~~ embraced in  
List, No. 3-1315, dated May 25, 1911, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 213,  
situated within the Tonto National Forest, in  
unsurveyed Section 34, Township 8 N., Range 12 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  
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



TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing Ernest Bassett; Application No. 243, dated May 6, 1911; List No. 3-1315, dated May 25, 1911; Homestead Entry No. 019140; made in the Phoenix Land Office on September 7, 1912, by Edd Mann, whose post-office 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 July 21, 1914, and designated as Homestead Entry Survey No. 213. Situated in what will probably be when surveyed, sec. 34, T. 8 N., R. 12 E., Gila and Salt River Base and Meridian within the Tonto National Forest, Arizona.

Survey commenced September 22, 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.

Chains September 22, 1914.

I set up my transit over cor. H-1 of List 3-1315 which is a sandstone 12 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct. I observe Polaris in accordance with instructions at 8h. 35m. 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° 59' 26" N. and long. 111° 06' 26" W.

Astron. l.m.t., obsn. Sept. 21, 1914, 32h. 35.0m.  
 Astron. l.m.t., U.C. Pol. Sept. 21, 1914, 13h. 28.2m.  
 Hour angle Pol. at obsn. 19h. 06.8m.  
 23h. 56.1m.

Time argument 4h. 49.3m.

Azimuth Pol. at obsn. 1° 19' 42" E.

With my transit set up over cor. H-1 of List 3-1315, heretofore described, and the telescope reversed in altitude and azimuth at 8h. 46m. 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. Sept. 21, 1914, 32h. 46.0m.  
 Astron. l.m.t., U.C. Pol. Sept. 21, 1914, 13h. 28.2m.  
 Hour angle Pol. at obsn. 19h. 17.8m.  
 23h. 56.1m.

Time argument 4h. 38.3m.

Azimuth of Pol. at obsn. 1° 18' 24" E.

September 22, 1914.

with two targets the verniers of which read to four  
 tenths of a foot.

## TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains September 23, 1914.

I turn off  $1^{\circ} 19\frac{1}{2}'$  the azimuth of Polaris to the W. from her direction at 8h. 35m. p.m., l.m.t., September 22, 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  $1^{\circ} 18\frac{1}{2}'$  the azimuth of Polaris to the W. from her direction at 8h. 46m. p.m., l.m.t., 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  $0^{\circ} 00' 40''$  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  $33^{\circ} 59' 06''$  N. and longitude  $111^{\circ} 03' 46''$  W. at the SE. cor. of T. 8 N., R. 12 E., obtained from the special instructions of the Surveyor General which gives latitude  $33^{\circ} 59' 26''$  N. and longitude  $111^{\circ} 06' 26''$  W. at cor. No. 1. It was not practicable to check the latitude by direct observation.

My watch is set for standard 105th meridian time with which I compared it on September 21, 1914, and subtract 24m. 15s. for l.m.t.

I observe the magnetic declination to be  $14^{\circ} 52'$  E. at 8h. 00m. a.m., l.m.t., September 23, 1914, at cor. No. 1 of this survey which reduced gives a mean magnetic declination of  $14^{\circ} 49'$  E.

GRAND TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

I was unable to locate any section or quarter section corner on the E. bdy. of T. 8 N., R. 12 E. from the field notes; and none of the men living in this vicinity knew of the existence of any government land corner. This homestead entry survey is more than two miles from the E. bdy. of T. 8 N., R. 12 E. as nearly as I can locate it, therefore this survey is tied to U. S. L. M. No. 151 H. E. S. which was established by me on May 13, 1914. Thence S. 42° 39' W. On a random for a tie.

105.20

I fall 28 lks. to right of U. S. L. M. No. 151 H. E. S. which is a quartzite stone 20 x 9 x 8 ins. above ground chiseled + on top and U S L M No 151 H E S on the N. face, with a mound of stone 6 ft. base, 4 1/2 ft. high, S. of cor. from which

A 26 in. juniper scribed U S L M No 151 H E S + B T bears S. 38° 15' E. 71 lks.

A 30 in. juniper scribed U S L M No 151 H E S + B T bears S. 43° 00' W. 108 lks.

Bryant's Butte bears N. 49° 30' E.

Jerkey Butte bears N. 73° 15' E.

McFadden Peak bears N. 73° 15' E.

Diamond Butte bears N. 3° 50' E.

Cor. No. 1 H. E. S. No. 151 bears N. 4° 45' E.

3.64 chs. dist.

Thence N. 42° 30' E.

For a tie.

105.20

To cor. No. 1. Identical with Cor. H-1 of List 3-1315, which is a limestone 12 x 6 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy

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Chains

Cor. H-1 and its witnesses and for cor. No. 1 of this survey I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground; over which I set a sandstone 24 x 9 x 6 ins. 14 ins. in the ground; chiseled (+) at the point and 1-H E S 213 on the E. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high, E. of cor. from which

A 7 in. black oak scribed 1 H E S 213 + B T

bears S. 74° 45' E. 70 lks.

A 16 in. juniper scribed 1 H E S 213 + B T

bears N. 45° 10' E. 111 lks.

Thence N. 36° 01' E.

Descend along SE. slope 40 ft. in scattering oak.

50.88 Turkey Creek 40 lks. wide, banks 3 ft. high, course NW.

52.55 Turkey Creek 30 lks. wide, banks 3 ft. high, course NE.

Ascend 5 ft. along S. slope.

53.84 Fence bears NW. and SE.

53.91 To cor. No. 2.

Identical with cor. H-2 of List 3-1315 which is a limestone 8 x 4 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor.

H-2 and its witnesses, and for cor. No. 2 of this

survey I chisel (+) on a stone 4 x 4 x 2 ins., and

deposit it 14 ins. in the ground over which I set

a basalt stone 24 x 9 x 5 ins., 14 ins. in the ground;

chiseled (+) at the point and 2-H E S 215 on the S.

face and raise a mound of stone 2 ft. base, 1 1/2 ft.

high S. of cor. from which

A 22 in. juniper scribed 2 H E S 213 + B T

bears N. 67° 00' W. 87 lks.

A 20 in. juniper scribed 2 H E S 213 + B T

bears N. 4° 30' E. 68 lks.

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Chains  
 Thence S. 51° 48' E.  
 Desc. SE. slope 10 ft.  
 1.60 Turkey Creek 95 lks. wide, banks 3 ft. high, course NE.  
 5.01 Cor. fence bears NW., SE., and SW.  
 Enter cultivated land.  
 7.08 Leave cultivated land bears NE. and SW. and ascend  
 NW. slope 15 ft. in undergrowth.  
 9.84 To cor. No. 3.  
 Identical with cor. H-3 of List 3-1315 which is a  
 sandstone 8 x 5 x 5 ins. above ground marked and  
 witnessed as described by the Forest Service. I de-  
 stroy Cor. H-3 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 14 ins. in the ground; over which I  
 set a quartzite stone 24 x 9 x 6 ins. 14 ins. in the  
 ground; chiseled (+) at the point and 3-H E S 213 on  
 the W. face and raise a mound of stone 2 ft. base,  
 1½ ft. high, W. of cor. from which  
 A 28 in. pine scribed 3 H E S 213 + B T  
 bears S. 24° 00' W. 10 lks.  
 A 4 in. black oak scribed 3 H E S 213 + B T  
 bears N. 48° 00' E. 59 lks.  
 Thence S. 36° 03' W.  
 Asc. along rolling NW. slope 30 ft. in undergrowth.  
 48.00 Wire fence bears E. and W.  
 53.49 To cor. No. 4.  
 Identical with Cor. H-4 of List 3-1315 which is a  
 limestone 8 x 6 x 6 ins. above ground marked and wit-  
 nessed as described by the Forest Service. I destroy  
 Cor. H-4 and its witnesses and for cor. No. 4. of  
 this survey, I chisel (+) on a stone 4 x 4 x 3 ins.  
 and deposit it 15 ins. in the ground; over which I



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Chains set a sandstone 25 x 13 x 7 ins. 15 ins. in the ground  
chiseled (+) at the point and 4 H E S 213 on the N.  
face and raise a mound of stone 2 ft. base, 1 1/2 ft.  
high, N. of cor. from which

A 6 in. pine scribed 4 H E S 213 + B T  
bears N. 33° 40' W. 36 lks.  
A 7 in. pine scribed 4 H E S 213 + B T  
bears N. 49° 00' E. 43 lks.

Thence N. 53° 57' W.  
Desc. NW. slope 20 ft. in undergrowth.  
3.60 Turkey creek 15 lks. wide, banks 2 ft. high, course NE.  
Asc. SE. slope 20 ft. in undergrowth.

9.40 Wire fence bears E. and W.  
9.82 To cor. No. 1 the place of beginning.

Area  
Total Area.....52.77 acres.

Improvements.  
The improvements made for the benefit of this homestead  
consist of the following.  
A log dwelling 16 x 12 ft. the long side extending E. and  
W. and the SW. cor. of which bears N. 45° 20' E. 12.40  
chs. dist. from cor. No. 1 of this survey.  
Estimated value.....\$100.00  
Approximately 2 miles of wire fencing.  
Estimated value.....\$250.00  
Approximately 5 acres of cultivated land.

Description.  
This claim is situated in small bottoms along Turkey  
creek at an elevation of approximately 6000 ft. The  
drain is northward and westward into the Tonto.

Chains There is no body of timber in this section although a few scattering pine trees are to be found.

Sufficient water for domestic purposes and to irrigate a garden is obtained from Turkey creek which runs or seeps the entire year.

The bottom soil is a sandy loam and produces the ordinary crops of the temperate zone with irrigation; good crops of the small grains, and sorghums have been produced.

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

Roosevelt post office is 50 miles by trail and wagon road in a southerly direction and Globe railway station is 66 miles by trail and wagon road in a southeasterly direction.

There are no conflicts or adjoining claims. H. E. S. No. 151 is approximately 1 mile in a southwesterly direction.

Traverse.

Cor.	Course	Dist	N.	S.	E.	W.
1-2	N. 36° 01' E.	53.91	43.60		31.70	
2-3	S. 51° 48' E.	9.84		6.09	7.73	
3-4	S. 36° 03' W.	53.49		43.25		31.48
4-1	N. 53° 57' W.	9.82	5.78			7.94
		127.06	49.38	49.34	39.43	39.42
			49.34		39.42	

Error in lat. and dep. 0.04 0.01

Closing error 1:3082

Survey completed September 23, 1914.

*Walter J. 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. 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.  
 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. 213, STATE OF ARIZONA, Edd Mann, Tonto

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 36° 01' E.	53.91	43.60		31.70		31.69	1381.05	
2-3	S. 51° 48' E.	9.84		6.09	7.73		71.11		433.06
3-4	S. 36° 03' W.	53.49		43.25		31.48	47.36		2042.27
4-1	N. 53° 57' W.	9.82	5.78			7.94	7.94	45.89	
		127.06	49.38	49.34	39.43	39.42		1426.94	2482.33
			49.36	49.36	39.42	39.42		1426.94	1055.39
			Closing error 1:3082					Area	52.77

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COPIES	REMARKS	DISCOUNT	TOTAL	DATE	DEBIT	CREDIT	BALANCE
1-1	W. 25% 247.5	0.00	247.50	12/15/00			247.50
1-2	W. 25% 247.5	0.00	247.50	12/15/00			495.00
1-3	W. 25% 247.5	0.00	247.50	12/15/00			742.50
1-4	W. 25% 247.5	0.00	247.50	12/15/00			990.00
CLOSING BALANCE 1:308.13							
			308.13				1298.13
			247.50				1050.63
			247.50				803.13
			247.50				555.63
			247.50				308.13

STATE OF MICHIGAN DEPARTMENT OF AGRICULTURE

1. Only those copies of this report which are necessary for the District Office, the State Office, and the Commissioner's Office should be retained. All other copies should be destroyed as soon as possible after the report has been received. The Commissioner of Agriculture should be notified by the District Office of the date of the destruction of the report.

2. The Commissioner of Agriculture should be notified by the District Office of the date of the destruction of the report.

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10. The Commissioner of Agriculture should be notified by the District Office of the date of the destruction of the report.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 3 1917, 191

The foregoing field notes of Homestead Entry Survey No.

213

executed by *Walter G. Turley, Surveyor* [Forest Service Title.]  
under his special instructions, dated *July 21*, 1914, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

*Frank P. Trott*  
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.

FRANK P. TROTT  
U. S. Surveyor General.