

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 149

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 16 & 21 unsurveyed, Township 5 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 1, 1914

Survey completed October 2, 1914

Under Acts of June 11, 1906, and June 30, 1914.

Applicant for listing James M. Banning.

Residence Roosevelt, Arizona.

Application No. 195, dated December 15, 1909

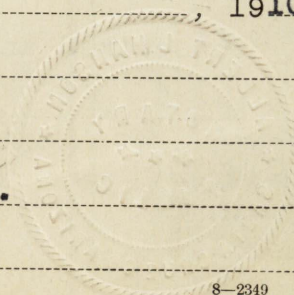
List No. 3-531, dated May 31, 1910

Applicant for survey James M. Banning.

Residence Roosevelt, Arizona.

H. E. No. 013125, dated February 3, 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. 149, in
un surveyed Section 16 & 21, Township 5 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 surveyor.

Charles D. Hodson Chairman

Charles Y. Baechly Chairman

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
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 ~~upon the application of~~ embraced in
List, No. 3-531, dated May 31, 1910, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 149,
situated within the Tonto National Forest, in
un surveyed Section 16 & 21, Township 5 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 14th 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, James M. Banning; Application No. 195, dated December 15, 1909; List No. 3-531, dated May 31, 1910; Homestead Entry No. 013125; made in the Phoenix Land Office on February 3, 1911 by James M. Banning, 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. 149.

Situated in what will probably be when surveyed, secs. 16 & 21, T. 50N., R. 15E., Gila and Salt River Base and Meridian, within the Tonto National Forest Arizona.

Survey commenced October 1, 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 October 1, 1914.

I set up my transit over cor. H-3 of List 3-531 which is a granite stone 14 x 12 x 7 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. 00m., 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. $33^{\circ} 46' 06''$ N. and long. $110^{\circ} 43' 44''$ W.

Astron. l.m.t., obsn. September 30, 1914 3h. 00.0m.

Astron. l.m.t. U.C. Pol., September 30, 1914 12h. 52.9m.

Hour angle Pol. at obsn. 19h. 07.1m.
23h. 56.1m.

Time argument 4h. 49.0m.

Azimuth Pol. at obsn. $1^{\circ} 19' 24''$ E.

With my transit set up over cor. H-3 of List 3-531 heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 13m., 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. September 30, 1914 3h. 13.0m.

Astron. l.m.t., U.C. Pol., September 30, 1914 12h. 52.9m.

Hour angle Pol. at obsn. 19h. 20.1m.
23h. 56.1m.

Time argument 4h. 36.0m.

Azimuth of Pol. at obsn. $1^{\circ} 17' 54''$ E.

October 1, 1914.

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STATE OF ARIZONA

Chains October 2, 1914.

M. I. turns off $1^{\circ} 19\frac{1}{2}'$ the azimuth of Polaris to the W. from her direction at 8h. 00m. p.m.l.m.t., Oct. 1, 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 $1^{\circ} 18'$ the azimuth of Polaris to the W. from her direction at 8h. 15m. 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 $0^{\circ} 00' 14''$ 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 $33^{\circ} 46' 03''$ N. and long. $110^{\circ} 43' 58''$ W. at the approximate point for the $1/4$ sec. cor. to secs. 16 and 21, T. 5 N., R. 15 E., Gila and Salt River Base and Meridian taken from the special instructions of the Surveyor General which gives latitude $33^{\circ} 46' 06''$ N. and longitude $110^{\circ} 43' 44''$ W. at cor. No. 1 of this survey. It was cloudy and not possible to check the latitude by direct observation.

My watch is set for standard 105th meridian time with which I compared it on October 1, 1914. I subtract 22m. 55s. therefrom for l.m.t.

On October 2, 1914 I observe the magnetic declination to be $15^{\circ} 03' E.$ at cor. No. 1 at 8h. 00m. a.m.l.m.t., which gives a mean magnetic declination of $15^{\circ} 00' E.$

Chains There is no corner of the public land survey within two miles of this claim; therefore I establish U.S.L.M. No. 149 H.E.S. in accordance with instructions. At a point on a bluff approximately 6.00 chs. W. of Cherry Creek, and 2.50 chs. S. of Bull Canyon, I chisel (+) at the point and U S L M No 149 H E S on the E. face of an imbedded quartzite boulder 20 x 14 x 8 ins. above ground and raise a mound of stone 6 ft. base, 4 ft. high, E. of cor. from which the line runs.

A 4 in. juniper scribed U S L M No 149 H E S + B T bears N. 30° 30' E. 131 lks.

A 6 in. palo verde scribed U S L M No 149 H E S + B T bears N. 51° 20' W. 37 lks.

A 6 in. palo verde scribed U S L M No 149 H E S + B T bears S. 27° 25' E. 137 lks.

Cor. No. 1 H. E. S. No. 150 bears S. 49° 12' E. 42.76 chs. dist. Sombbrero Butte bears N. 18° 42' E. approximately 6 miles. dist.

No other prominent topographic features can be seen from this point.

Thence N. 28° 53' E. On a true line by direct measurement for 10.92 To cor. No. 1. Identical with Cor. H-3 of the List 3-53 which is a granite boulder 14 x 12 x 9 ins. above ground marked and witnessed as described by the Forest Service.

I destroy all trace of cor. H-3 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 18 ins. in the ground; over which I set a quartzite boulder 28 x 12 x 10 ins., 18 ins. in the ground chiseled (+) at the point, 1- H E S 149

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Chains	on the N. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. from which A 5 in. Catclaw scribed 1 H E S 149 + B T bears N. 22° 55' E. 217 lks. U.S.L.M. No. 149 H. E. S. bears S. 28° 53' W. 10.92 chs. Pits impracticable. No other bearing available.
	<hr/>
	Thence N. 47° 00' W. Asc. over bottom 5 ft. in undergrowth.
6.56	Irrigating ditch, course E. Leave undergrowth and continue in field.
7.20	Fence bears WNW. and ESE.
10.53	Fence bears N. and S.
17.80	Fence bears WNW. and ESE.
20.88	Fence bears NE. and SW.
24.12	Fence bears N. and S.
40.13	To cor. No. 2. At which point I chisel (+) at the apex and 2-H E S 149 on the E. face of an imbedded quartzite boulder 36 x 18 x 12 ins. above ground and raise a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor. from which A 14 in. hackberry scribed 2 H E S 149 + B T bears N. 84° 30' W. 143 lks. Pits impracticable. No other bearings available. Note: Cor. H-2 was not to be found and Cor. No. 2 was established as nearly as could be determined at the true position of H-2.
	<hr/>
	Thence N. 55° 06' E. Over bottom.
3.17	Road to Roosevelt bears NW. and SE.
3.47	Irrigating ditch 4 lks. wide, banks 2 ft. high, course SE.

Chains	Leave bottom and asc. SW. slope 15 ft.	
5.04	To cor. No. 3.	
	<p>Identical with Cor. H-1 of List 3-531 which is an imbedded porphyry stone 24 x 24 x 15 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses; and, for cor. No. 3 of this survey, I chisel (+) at the point and 3-H E S 149 on the S. face of the same stone and raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor. from which</p> <p>A 4 in. mosquito scribed 3 H E S 149 + B T</p> <p>bears S. 18° 30' E. 16 lks.</p> <p>Pits impracticable. No other bearings available.</p>	
	Thence S. 49° 45' E.	
	Desc. 10 ft. along SW. slope in undergrowth.	
30.15	Roosevelt road bears ESE. and WNW.	
31.30	Wire fence bears ESE. and WNW.	
36.30	Wire fence bears N. (and S.)	
37.40	Roosevelt road bears N. and S.	
40.65	<p>To cor. No. 4.</p> <p>Identical with cor. H-4 of the List 3-531 which is a sandstone 15 x 12 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. 4 of this survey I chisel (+) on a stone 4 x 4 x 3 ins. and deposit it 16 ins. in the ground; over which I set a sandstone 26 x 14 x 9 ins. 16 ins. in the ground chiseled cross at the point and 4-H E S 149 on the W. face, and raise a mound of stone 2 ft. base, 1½ ft. high, W. of corner from which</p> <p>A 5 in. mosquito scribed 4 H E S 149 + B T</p> <p>bears N. 50° 45' E. 27 lks.</p>	

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STATE OF ARIZONA

Chains

A 9 in. mosquito scribed 4 H E S 149 + B T
bears S. 45° 00' E. 95 lks.

Thence S. 55° 30' W.

Desc. SW. slope 10 ft. in undergrowth.

0.10 Roosevelt Road bears E. and W.

1.16 Irrigating ditch 4 lks. wide, banks 7 ft. high, course SE.

3.05 Irrigating ditch 3 lks. wide, banks 1 ft. high, course SE.

7.01 To cor. No. 1 the place of beginning.

Area

Total Area H. E. S. No. 149.....23.63 acres.

Improvements.

The improvements made upon this homestead consist of the following:

Log dwelling 24 x 14 ft. the long side extending E. and W. and the SE. cor. of which bears N. 51° 00' W.

9.02 chs. dist. from cor. No. 4.

Estimated value.....\$75.00

Approximately 1 1/2 miles of fencing.

Estimated value.....\$200.00

Approximately 3/4 of a mile of irrigating ditch.

Estimated value.....\$50.00

Approximately 6 acres of cultivated land.

Description:

This claim is situated upon Cherry Creek which drains southward into Salt River. It is at an elevation of approximately 3000 ft. and is chiefly valuable for a livestock ranch.

There is no timber in this section.

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

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STATE OF ARIZONA

Chains

The soil is a sandy loam and produces the ordinary crops of the temperate zone with irrigation. Good crops of grains, corn, vegetables, and fruit have been raised.

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 postoffice is 31 miles by wagon road in a southwesterly direction. Globe railway station is 40 miles by wagon road in a southeasterly direction.

There are no conflicts or adjoining claims.

Traverse.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 47° 00' W.	40.13	27.37			29.35
2-3	N. 55° 06' E.	5.04	2.88		4.13	
3-4	S. 49° 45' E.	40.65		26.26	31.03	
4-1	S. 55° 30' W.	7.01		3.97		5.78
		<u>92.83</u>	<u>30.25</u>	<u>30.23</u>	<u>35.16</u>	<u>35.13</u>
			<u>30.23</u>		<u>35.13</u>	

Error in lat. and dep. 0.02 0.03

Closing error 1:2575

Survey completed October 2, 1914.

Walter J. Purdy
Surveyor, Forest Service.

Description.
This claim is situated upon Cherry Creek which drains southward into Salt River. It is at an elevation of approximately 3000 ft. and is chiefly valuable for a livestock ranch. There is no timber in this section. Sufficient water for domestic purposes and irrigation is obtained from Cherry Creek.

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.
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. 149, STATE OF Arizona J. M. Banning, Tonto

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 47° 00' W.	40.13	27.37 ³⁶		29.35 ³⁶	29.36	893.29		
2-3	N. 55° 06' E.	5.04	2.88		4.13	4.13	11.89		
3-4	S. 49° 45' E.	40.65m		26.26 ²⁷	31.05 ²⁷	39.27		1031.62	
4-1	S. 55° 30' W.	7.01		3.97	5.78	64.50		256.07	
		92.83	30.25	30.23	35.16		815.18	1287.69	
			30.24	30.24	35.14		815.18		
			Closing error 1:2575					Area	472.51
								23.63	

T.H.

149

STATE OF VERMONT

REPORT ON THE PROGRESS OF THE DISTRICT OFFICE, THE DISTRICT OF VERMONT, AND THE COMMISSIONERS

1. Only three copies of this report for the present, for the District Office, the District of Vermont, and the Commissioners.
 2. For circulation of this report also a copy to be made for the District Office, the District of Vermont, and the Commissioners.
 3. For circulation of this report also a copy to be made for the District Office, the District of Vermont, and the Commissioners.
 4. For circulation of this report also a copy to be made for the District Office, the District of Vermont, and the Commissioners.

CORRECTION	REMARKS	DISTANCE	MILEAGE		DELIVERED		DOUBTLESS	M. V. V.	M. V. V.
			Zone	Zone	Zone	Zone			
L-1	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-2	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-3	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-4	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-5	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-6	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-7	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-8	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-9	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
L-10	W. 100 Y. 100 M.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00

APPROVAL

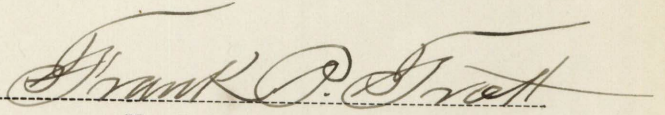
Office of the United States Surveyor General,

Phoenix, Arizona, November 27, 1916.

The foregoing field notes of Homestead Entry Survey No.

149

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.

Frank P. Trott
U. S. Surveyor General.