

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

APR 2-1915
APR 24 1916

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 135

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 2, unsurveyed, Township 11 N., Range 9 E.,

Section 3, unsurveyed, Township 11 N., Range 9 E.,

Section 11, unsurveyed, Township 11 N., Range 9 E.,

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by W. H. Finigan, Forest Service Surveyor.

Under special instructions dated November 29, 1913

Survey commenced January 23, 1914

Survey completed January 26, 1914

Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing William Stark,

Residence Pine, Arizona

Application No. 274, dated May 20, 1911

List No. 3-1536, dated November 7,, 1911

Applicant for survey William Stark,

Residence Pine, Arizona

H. E. No. 018449, dated June 28, 1912

Land district Phoenix, Arizona

O.K.

OATH OF ASSISTANTS

We hereby certify that we assisted W. H. Finigan,
Forest Service Surveyor in surveying all those
parts or portions of Homestead Entry Survey No. 135, in
un surveyed Section 2, Township 11 N., Range 9 E.,
un surveyed Section 3, Township 11 N., Range 9 E.,
un surveyed Section 11, Township 11 N., Range 9 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 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.

L. Vernon Smalley Chainman.
C. B. Baecht Chainman.

Subscribed and sworn to before me this 25th day of
March, 1914.

*Commissioner of Public Lands
Feb 26th 1914*

George P. Randall
Notary Public

OATH OF SURVEYOR

I, W. H. Finigan, Forest Service 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. 3-1536 dated Nov. 7, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 135,
situated within the TONTO National Forest, in
un surveyed Section 2, Township 11 N., Range 9 E., and
un surveyed Section 3, Township 11 N., Range 9 E.,
un surveyed Section 11, Township 11 N., Range 9 E.,

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.

W. H. Finigan
Forest Service Surveyor.

Subscribed and sworn to before me this 25th day of
March, 1914.

*Commissioner of Public Lands
Feb 26th 1914*



George P. Randall
Notary Public

TONTO NATIONAL FOREST

STATE OF ARIZONA

Applicant for listing, William Stark; Application No. 274, dated May 20, 1911; List No. 3-1536, dated November 7, 1911; H. E. No. 018449, dated June 28, 1912, made at Phoenix, Arizona.

Surveyed under special instructions from the Surveyor General for Arizona, dated November 29, 1913, and designated as Homestead Entry Survey No. 135.

Situated approximately in secs. 2, 3 and 11, unsurveyed T. 11 N., R. 9 E., of the Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced January 23, 1914 and executed with a W. and L. E. Gurley light mountain transit equipped with a Burt Solar attachment.

The distances were measured with a 400 link steel tape directly on the slope and the slope angles determined with a clinometer.

It being impossible to take observations at the time of survey on account of rain and cloudy weather, I return to claim at a later date.

The courses of this survey were deflected from the true meridian as determined by direct solar observation.

February 4, 1914, at 9h. 20m. a.m., l.m.t., at cor. No. 4, observe alt. of sun for azimuth as follows:

	Angle right to sun.	Alt. Sun.	Pos. Sun.	Position Telescope
1.	27° 39' 00"	24° 02' 00"	+	Direct
	27° 26' 00"	23° 47' 00"	+	Reversed.
2.	28° 38' 30"	24° 45' 00"	+	Direct
	28° 20' 30"	24° 27' 00"	+	Reversed.

Lat. 34° 21'. Decl. 16° 19' 30". Long. 111° 24' 30" W.

Course from cor. No. 4 to reference point by first

Chains

obsn. is S. 75° 05' 30" E. and by second is S. 75° 06' 30" E. Average is S. 75° 06' E. Courses of this survey were deflected from meridian corresponding to above observations.

February 4, 1914 at 12h. 14m. p.m., l.m.t., at cor. No. 4, observe sun for lat. Observed alt. sun's upper limb 39° 38' 30". Resulting lat. is 34° 21' N.

January 26, 1914, a.m.

There being no public land corner or U. S. L. M. within a distance of two miles of this survey, I establish U. S. L. M. No. 135 H. E. S. Located on South slope of rather prominent hill West of Sycamore Creek and NW. of Buckhead mesa about 1/2 mile, approximately on S. bdy. sec. 35, unsurveyed T. 11-1/2 N., R. 9 E.

Chisel U S L M No 135 H E S on top of limestone rock in place showing 1 x 9 x 3 ft. above ground; raise mound of stone 6 ft. base, 4 ft. high alongside, whence:

North Peak bears S. 17° 30' W.

Matazel Peak bears S. 8° 42' W.

Natural Bridge bears approximately S. 60° 00' W., 3 miles.

Junction of Pine-Payson and Natural Bridge road bears S. 60° 37' W., about 40 chs.

A juniper 24 ins. dia., scribed U S L M No 135

H E S B T bears S. 28° 18' E., 90 lks.

+ B R U S L M No 135 H E S chiseled on top of limestone in place showing 1 x 4 x 3 ft. above ground, bears N. 84° 05' E., 18 lks.

Lat. 34° 21' 30" N. from obsn. Long. 111° 24' W. derived from special instructions of Surveyor General.

January 23, 1914, p.m.

Beginning at cor. No. 1.

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ARIZONA.

Chains : Identical with Cor. No. 1 of list which is a sandstone 12 ins. above ground marked and witnessed as described in field notes of listing survey. Destroy same and set a sandstone 24 x 10 x 6 ins., 14 ins. in ground over stone marked +, chiseled 1-HES135 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim, whence:

. An oak 16 ins. in dia., scribed 1 H E S 135 B T bears S. 8° 58' W. 80 lks.

. A juniper 34 ins. in dia., scribed 1 H E S 135 B T bears N. 80° 22' W. 102.5 lks.

U S L M No. 135 H E S, heretofore described, bears N. 24° 47' W. 34.76 chs.

Mag. Va. at 8 a.m. 15° 02' E., therefore mean mag. va. is 15° 01' E.

Lat. 34° 21' N.

Long. 111° 24' W., derived from the special instructions from the Surveyor General.

Thence S. 1° 34' E.

Desc. gradually thru timber and brush.

3.52 N. side frame shed. NE. cor. thereof East 2 lks.

3.67 S. side frame shed. SE. cor. thereof East 3 lks.

3.75 Wire fence bears E. and W.

7.40 Desc. bank 15 ft. high, bears NW. and SE.

8.35 Sycamore Créeek, 40 lks. wide, course SE. Asc.

10.05 To Cor. No. 2.

Identical with Cor. No. 2 of list which is a malpais stone 12 ins. above ground marked and witnessed as described in field notes of listing survey. Destroy same and set a malpais stone 24 x 8 x 8 ins., 4 ins. in ground on rock in place marked + for exact point, in mound of stone, chiseled 2-HES135 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft.

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ARIZONA

Chains high, 3-1/2 ft. distant within claim; whence:

An oak 6 ins. in dia., scribed 2 H E S 135 B T

bears S. 50° 12' W. 55 lks.

A juniper 12 ins. in dia., scribed 2 H E S 135

B T bears N. 54° 57' W. 150 lks.

Thence S. 24° 01' W. 1-1/2 ft. high, 3-1/2 ft. distant within claim;

Asc. bank 25 ft. high, bears NW. and SE.

1.00 Top bank, asc. thru timber.

10.00 Top asc. 100 ft. above creek. Leave timber. Over open level ground.

14.10 Wire fence, thence along fence.

41.30 Telephone line, bears NW. and SE.

50.23 To Cor. No. 3.

Identical with cor. No. 3 of list, which is a malpais stone 12 ins. above ground marked and witnessed as described in field notes of listing survey. Destroy same and set a malpais stone 24 x 8 x 6 ins., 14 ins. in ground over stone marked +, chiseled 3-HES135 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim;

whence:

A juniper 6 ins. in dia., scribed 3 H E S 135

B T bears S. 62° 54' E. 64 lks.

An oak, 8 ins. in dia., scribed 3 H E S 135 B T

bears S. 42° 48' W. 104 lks.

January 25, 1914, a.m.

Thence N. 35° 11' W.

Over level open ground.

0.10 Wire fence, bears NW. and SE.

29.70 Wire fence, bears NE. and SW.

34.40 Arroyo, 10 lks. wide, 2 ft. deep, course SW.

1-1/2 ft. base, 3-1/2 ft. distant within claim;

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STATE OF ARIZONA

Chains 48.20	Wire fence, bears NW. and SE.	Chains 00.81
58.80	Pine - Payson road, bears N. and S.	08.13
60.72	To cor. No. 4.	
	Identical with cor. H-4 of list, which is a malpais stone 12 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a malpais stone 24 x 10 x 6 ins., 14 ins. in ground over stone marked, chiseled 4-HES135 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence: A juniper 24 ins. in dia., scribed 4 HES 135 B T, bears S. 25° 26' W., 197 lks. A juniper, 16 ins. in dia., scribed 4 HES 135 B T, bears S. 66° 07' E., 153 lks.	
	Cor. No. 5 of list which is a post in mound of stone marked and witnessed as described in field notes of listing survey, bears N. 35° 50' E., 15.07 chs. Destroy same.	
	F. S. M. which is a post marked and witnessed as described in field notes of listing survey bears N. 9° 54' W., 8.89 chs. Destroy same.	
	Thence N. 83° 30' E. -----	
	Over level open ground.	
.85	Pine - Payson road, bears North and South.	
2.00	Wire fence bears NE. and SW. Enter cultivated field.	
5.45	Leave cultivated field. Enter scattered timber.	
6.30	Telephone line bears NW. and SE.	
11.00	Enter cultivated strip. Leave scattered timber.	
11.20	Leave cultivated strip. Desc.	
14.05	Arroyo, 10 lks. wide, 2 ft. deep, course S. Asc.	
14.20	Enter cultivated strip.	
14.85	Leave cultivated strip.	

Chains
 18.00 Top asc., bears N. and S. Enter draw.
 21.50 Arroyo, 20 lks. wide, 8 ft. deep, course SE. In bottom
 of draw, 50 ft. deep. Asc.
 32.00 Ridge, 100 ft. above Sycamore Creek, bears N. and S.
 Desc.
 37.00 Wire fence bears NE. and SW.
 49.00 Wire fence; thence outside fence.
 52.60 Sycamore Creek, 30 lks. wide, course S. Enter
 scattered timber.
 53.30 Wire fence, bears N. and S. Spring bears N., 4.20 chs.
 53.40 Road, bears SE. and NW.
 55.49 To cor. No. 1, and place of beginning.

January 25, 1914, at noon cloudy, no lat. obsn. possible.

AREA
 Total Area - - - - - 158.74 acres

IMPROVEMENTS
 The improvements made upon or for the benefit of this
 claim by claimant or his grantors, consist of:
 A frame house, the NE. cor. of which bears from cor. No.
 1, S. 10° W., 1.85 chs. 26 x 30 ft., course of long
 side N. and S. Value ----- \$800.00
 A frame shed, the NE. cor. of which bears from cor. No.
 1, S. 1° 54' E., 3.52 chs. 10 x 10 ft., course of
 side E. and W., partly outside of claim. Value ----- \$25.00
 An outhouse the NE. cor. of which bears from cor. No.
 1, S. 8° 00' W., 4.00 chs. 4 x 4 ft., side bears E.
 and W. Value ----- \$ 10.00
 A corral, the center of which bears from cor. No. 1,
 S. 24° 35' W., 3.00 chs. 25 ft. dia.
 Value ----- \$ 15.00

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Chains About 2-3/4 miles of wire fence partly outside of claim.

Value ----- \$400.00

Total estimated value of improvements, ---- \$1250.00

Claimant has approximately 6 acres under cultivation,
1 acre of which is outside of claim.

DESCRIPTION.

This claim lies partly in small valley of Sycamore Creek and partly on the Buckhead mesa. The land for the most part is rolling, except the eastern part which slopes toward Sycamore Creek.

Water for domestic purpose is furnished by a spring in creek bottom. The natural rainfall is depended upon to raise crops.

The land is chiefly valuable for agricultural purposes. There is some small timber on claim, but none of commercial value.

No mineralization was observed or known on claim.

No officially surveyed or other claims adjoining or nearby.

Pine Arizona, the nearest settlement and postoffice is about 4 miles northerly.

Survey completed January 26, 1914.

TRAVERSE.

Bearing	Dist.	N	S	E	W
S. 1° 34' E.	10.05		10.05	0.27	
S. 24° 01' W.	50.23		45.88		20.44
N. 35° 11' W.	60.72	49.63			34.99
N. 83° 30' E.	55.49	6.28		55.13	
	176.49	55.91	55.93	55.40	55.43
			55.91		55.40
Error in Lat. and Dep.			.02		.03

Error of closure 1:5166.

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TSONTO NATIONAL FOREST

ARIZONA.

Chains Any discrepancy between these field notes and those of
 the listing survey is due to error in the latter.
 Total estimated value of improvements, \$1250.00
 Claimant has approximately 6 acres under cultivation,
 1 acre of which is outside of claim.

W. H. Finigan

Forest Service Surveyor.

This claim lies partly in small valley of Sycamore Creek
 and partly on the Buckhead mesa. The land for the
 most part is rolling, except the eastern part which
 slopes toward Sycamore Creek.
 Water for domestic purpose is furnished by a spring in
 creek bottom. The natural rainfall is depended upon
 to raise crops.
 The land is chiefly valuable for agricultural purposes.
 There is some small timber on claim, but none of commer-
 cial value.
 No mineralization was observed or known on claim.
 No officially surveyed or other claims adjoining or
 nearby.
 Pine Arizona, the nearest settlement and postoffice is
 about 4 miles northerly.
 Survey completed January 25, 1914.

Bearing	Dist.	N	S	E	W
N. 83° 30' E.	55.42	5.88	55.18		
N. 85° 11' W.	60.78	49.68		34.99	
S. 24° 01' W.	59.32		46.88		50.44
S. 1° 34' E.	10.05		10.05	0.27	
		175.49	55.91	55.92	55.43
			55.91		55.43
Error in lat. and Dep.			08.		08.
Error of closure 1:5166.					

- 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 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. 135, STATE OF ARIZONA, William Stark-Tonto

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
4-1	N. 83° 30' E.	55.49	²⁹ 6.28	10.05	¹⁴ 55.13	20.44 ⁴³	55.14	346.83	1111.03
1-2	S. 1° 34' E.	10.05		45.88	0.27	34.99 ²⁸	110.55	1736.41	4147.09
2-3	S. 24° 01' W.	50.23	⁶⁴ 49.63				90.39		
3-4	N. 35° 11' W.	60.72	^{55.93} 55.91	55.93	55.40	55.43	34.98	2083.24	5258.12
		176.49	^{55.93} 55.91		^{55.41} 55.40	^{55.41} 55.43			2083.24
									2) 3174.88
									1587.44 = 158.74 A.

T.F.

• 1 11. 881 = 11. 881

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TABLE OF CALCULATIONS OF HOMESLEAD EMERGENCY SAVINGS NO. 122

Only those codes in this schedule are necessary for the Homeslead Emergency Savings Plan. The other codes are for information only.
 In calculations of interest rates, the number of days in the year is assumed to be 365.
 The calculations are based on the assumption that the interest rate is constant throughout the term of the plan.
 For the calculation of the interest rate, the rate in effect at the time the plan is established is used.
 In calculations of the interest rate, the rate in effect at the time the plan is established is used.

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DIRECTIONS.—1. Carry out calculations to two decimals only.
 2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink.
 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 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. 135, STATE OF ARIZONA William Stark - Tonto

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
✓ Direct Obsn. Feb. 4, 1914 at 9h. 20m. a.m., l.m.t. at Cor. No. 4.							Lat. 34° 21' N.		
Angle rt. to sun from ref. pt.		Obs. alt. sun	Pos. Sun	Telescope			Decl. app. noon Greenwich = 16° 23' 07.4"		
(1).	27° 39' 27° 26'	24° 02' 23° 47'	☑ ☑	Direct Reversed			Dif. for 4h. 50m. 3' 35.1"		
(2).	28° 38½' 28° 20½'	24° 45' 24° 27'	☑ ☑	Direct Reversed			Decl. at 9h. 20m. a.m. 16° 19' 32.3"		
1.	24° 02' 23° 47' 2) 47° 49' 23° 54' 30" 1' 49" 23° 52' 41"			2. 24° 45' 24° 27' 2) 49° 12' 24° 36' 1' 46" 24° 34' 14"					
					2° 06' corrected for elevation of 4800 ft.				
	Sin. 16° 19' 30" =	9.4488384							
	Cos. 34° 21' =	9.9167730							
		9.5320654							
	Cos. 23° 52' 40" =	9.9611415							
		9.5709239 = .37233							
	Tan. 34° 21' =	9.8346961							
	Tan. 23° 52' 40" =	9.6460851							
		9.4807812 = .39254							
		.67487 = 47° 33'							
	Course Sta. to sun = S. 47° 33' E.								
	Angle left	27° 32½'							
	Course Sta. to ref. pt. S. 75° 05½' E.								
		2) 55° 05'							
		27° 32½'							
		Average course from Sta. to Ref. Pt. = S75° 06' E.							
		9.5320654							
		9.9587826							
		9.5732828 = .37435							
		9.8346961							
		9.6600975							
		9.4947936 = .31246							
		.68681 = 46° 37'							
	Course Sta. to sun = S. 46° 37' E.								
	Angle left	28° 29½'							
	Course Sta. to Ref. Pt. S. 75° 06½' E.								
		2) 56° 59'							
		28° 29½'							
		28° 38½'							
		28° 20½'							
		2) 56° 59'							
		28° 29½'							

T.H.

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APPROVAL

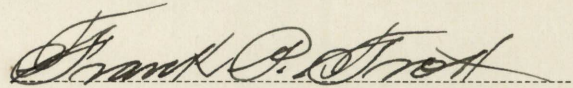
Office of the United States Surveyor General,

Phoenix, Arizona, April 29, 1916.

The foregoing field notes of Homestead Entry Survey No.

135

executed by W. H. Finigan, Forest Service Surveyor,
under his special instructions, dated November 29, 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.



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

U. S. Surveyor General.