

0.11-
101
MAR 12 1915

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 137

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

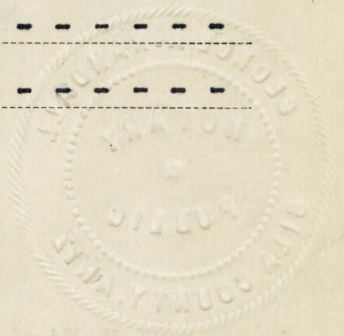
Section 4, un surveyed, Township 11 N., Range 12 E.,

Section 9, un surveyed, Township 11 N., Range 12 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 March 1, 1914

Survey completed March 4, 1914

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

Applicant for listing Henry Haught,

Residence Myrtle, Arizona

Application No. 128, dated April 5, 1907

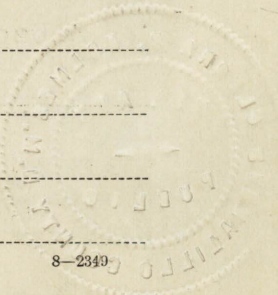
List No. 1181, dated March 12, 1908

Applicant for survey Sam Haught,

Residence Payson, Arizona

H. E. No. 016632, dated February 5, 1912

Land district Phoenix, Arizona



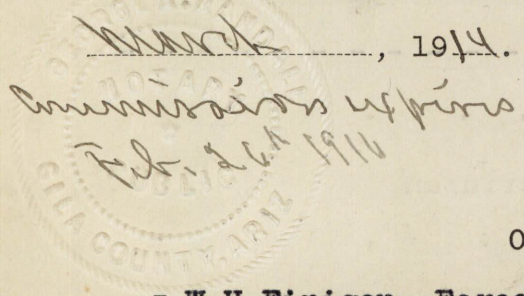
OATH OF ASSISTANTS

We hereby certify that we assisted W. H. Finigan,
Forest Service Surveyor in surveying all those
parts or portions of Homestead Entry Survey No. 137, in
un surveyed Section 4, Township 11 N., Range 12 E.,
un surveyed Section 9, Township 11 N., Range 12 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 Slonaker Chainman
E. Buecht Chainman

Subscribed and sworn to before me this 15th day of
March, 1914.



Mary A. 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. 1181, dated March 12, 1908, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No 137,
situated within the TONTO National Forest, in
un surveyed Section 4, Township 11 N., Range 12 E., and
un surveyed Section 9, Township 11 N., Range 12 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 22nd day of
April, 1914



My Commission expires Oct. 16th, 1915.
Clara B. Holmes
Notary Public
Bernalillo County, N.M.

TONTONATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Henry Haught; Application No. 128, dated April 5, 1907; List No. 1181, dated March 12, 1908; H.E.No. 016632, entered February 5, 1912 at Phoenix, Arizona, by Sam Haught.

Surveyed under Special instructions from the Surveyor General for Arizona, dated November 29, 1913, and designated as Homestead Entry Survey No. 137.

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

This survey is located in what will probably be, when surveyed, secs. 4 and 9, T. 11 N., R. 12 E., of the Gila and Salt River Base and Meridian within the Tonto National Forest, Arizona.

This survey was commenced March 1, 1914 and executed with a W. and L. E. Gurley light mountain transit with vertical circle and Burt solar attachment, the least count of all arcs being one minute.

The distances were measured with a 200 lk. steel tape directly on the slope and the slope angles determined by means of a clinometer.

All the courses of this survey were deflected from the true meridian as established by obsn. on Polaris.

March 1, 1914: at 6h. 18.5 m., p.m., l.m.t. observe Polaris at cor. No. 1 and mark line of sight on ground.

Astron. time of obsn. March 1, 1914, 6h. 18.5m.

Astron. time U.C.Pol. March 1, 1914, 2h. 52.2m.

Time argument 3h. 26.3m.

Azimuth of Polaris 66'

Next morning set off 1° 6' to E. from observed line for true meridian.

Chains On same date at cor. No. 1, observe Polaris at Western elongation and mark line on ground. Next morning set off $1^{\circ} 23\frac{1}{2}'$ to E. of observed line for true meridian. The difference bet. meridians as marked from two observations is 30", therefore take mean of them to which all courses are referred.

March 3, 1914.

Beginning at cor. No. 4 of list, which is a sandstone 10 ins. above ground, marked and witnessed as described by the Forest Service.

Thence S. $84^{\circ} 48'$ W.

Over mountainous ground.

80.00 At 12 h. 12m. p.m., l.m.t., observe alt. sun's upper limb $49^{\circ} 00'$ resulting lat. is $34^{\circ} 22' 15''$.

114.00 March 4, 1914:

157.24 To temp. point.

Thence N. $82^{\circ} 28'$ W.

6.56 To $1/4$ sec. cor. on W. bdy. sec. 7, T. 11 N., R. 12 E., which is a sandstone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

At 12 h. 12 m., p.m., l.m.t., observe sun on meridian.

Observed altitude of sun's upper limb $49^{\circ} 23'$ resulting lat. $34^{\circ} 22' 15''$.

Therefore true line bears S. $85^{\circ} 18'$ W. 163.64 chs.

There being no public land cor. nor U.S.L.M. within two miles of the claim, set U. S. L. M. No. 137 H E S

situated on small hill within the boundaries of this

survey about 3 chs. West of Tonto Creek and about 9

chs. North of end of road from Henry F. Haught's to

Sam Haught's ranch, also about 2 chs. West of trail

from Sam Haught's to A. L. Haught's ranch. The head of

TONTON NATIONAL FOREST

ARIZONA

Chains, Tonto Creek is N. 25° 0' E, about 2-1/2 miles.
 Set a sandstone 36 x 14 x 6 ins. 24 ins. in ground,
 chiseled U S L M. No. 137 H E S on N. face; raise
 mound of stone 6 ft. base, 4 ft. high alongside, whence
 A pine 22 ins. dia. scribed U S L M No. 137 H E S
 B T, bears N. 10° 12' W. 34 lks.
 A juniper 24 ins. dia., scribed U S L M No. 137
 H E S B T, bears N. 89° 24' W. 70 lks.
 A pine 16 ins. dia., scribed U S L M No. 137 H E
 S B T bears N. 53° 37' E. 32 lks.
 Cor. No. 1 H. E. S. No. 137 bears S. 71° 50' W.
 8.18 chs.
 1/4 sec. cor. on west bdy. sec. 7, T. 11 N., R.
 12 E. bears S. 84° 40' W. 171.60 chs.
 Sam Haught's ranch house bears S. 3° 15' E.
 6.80 chs.

March 2, 1914.

Beginning at cor. No. 1.

Identical with cor. No. 4 of list, which is a sandstone

10 x 7 x 4 ins. above ground, marked and witnessed as

described by the Forest Service. Destroy same and

set a sandstone 24 x 12 x 6 ins., 14 ins. in ground,

overmarked stone, chiseled 1-HES137 on ENE. face;

raise mound of stone 2 ft. base, 1-1/2 ft. high ENE.

of cor., whence :

A pine 24 ins. dia., scribed 1 H E S 137 B T

bears N. 56° 03' E. 107 lks.

An oak 14 ins. dia., scribed 1 H E S 137 B T

bears N. 53° 25' W. 82 lks.

U. S. L. M. No. 137 H E S, heretofore described,

bears N. 71° 50' E. 8.18 chs.

of cor., whence :

Chains 1/4-sec. cor. on west bdy. Sec. 7, T. 11 N.,
 R. 12 E., heretofore described, bears S. 85°
 18' W. 163.64 chs.
 Mag. Va. at 8 a.m., 15° 46' E. Mean Mag. Va. 15° 43' E.
 Lat. 34° 22' 15" N. Long. 111° 5' 50" W. Derived
 from special instructions from the Surveyor General.

- Thence N. 26° 08' E. 7 chs.
 Along E. slope through timber.
 1.65 Wire fence, bears NW. and SE.
 13.20 Trail to A. L. Haught's ranch, bears NW. and SE.
 15.60 Desc. NE. slope to bottom gulch 75 ft.
 17.20 Bottom gulch, 20 lks. wide, 75 ft. deep, course SE.,
 asc. SE. slope 75 ft. to ridge.
 20.20 Ridge 75 ft. high, bears NW. and SE. Desc. NE. slope
 50 ft. to bottom gulch.
 26.70 Bottom gulch, 15 lks. wide, 50 ft. deep, course SE.
 Asc. SE. slope 50 ft. to ridge.
 28.70 Ridge, 50 ft. high, bears NW. and SE. Desc. E. slope
 50 ft. to Creek.
 29.50 Creek, 20 lks. wide, course SE. Overlevel ground.
 30.30 Junction 2 creeks, bears N. 63° 52' W. 50 lks.
 36.20 Asc. bank 50 ft. high, bears N. and S.
 37.20 Top bank, 50 ft. high, bears N. and S. overlevel
 ground.
 39.52 To cor. No. 2.
 Identical with cor. No. 3 of list, which is a sand-
 stone 8 x 12 x 3 ins. marked and witnessed as de-
 scribed by the Forest Service. Destroy same and set
 a sandstone 24 x 12 x 6 ins. 14 ins. in ground, over
 marked stone, chiseled 2-HES137 on SSE. face, and
 raise mound of stone 2 ft. base, 1-1/2 ft. high SSE.
 of cor., whence:

THE TONTON NATIONAL FOREST

ARIZONA

| | |
|--------|--|
| Chains | An oak 18 ins. dia., scribed 2 H E S 137 B bears S. 5° 35' W. 92 lks. |
| | An oak 16 ins. dia., scribed 2 H E S 137 B T bears S. 50° 51' E. 39 lks. |
| | Thence S. 55° 51' E. Over level ground, through scattered timber. |
| 1.00 | Enter cultivated field, bears N. 36° 30' E. and S. 36° 30' W. |
| 4.00 | Leave cultivated field, bears S. 14° 0' W. and N. 23° 30' W. |
| 6.50 | Enter cultivated field, bears N. 30° E. and S. 30° W. |
| 7.50 | Leave cultivated field, bears N. 30° E. and S. 30° W. |
| 9.80 | Desc. S. slope 25 ft. to bottom gulch. |
| 12.60 | Bottom gulch, 15 lks. wide, Course E. Asc. NE. slope 25 ft. to top ascent. |
| 17.50 | Top ascent, bears E. and W. Descend E. slope 50 ft. to wash. |
| 18.90 | Wash, 15 lks. wide, 20 ft. deep, course S., over level bottom. |
| 19.60 | Enter cultivated field, bears N. 4° W. and S. 4° E. |
| 20.30 | Leave cultivated field, bears N. 2° 30' E. and S. 2° 30' W. |
| 21.50 | Wire fence, bears N. 26° W. and S. 26° E. |
| 23.25 | Wash, 15 lks. wide, 4 ft. deep, course SW. Asc. W. slope 15 ft. |
| 24.90 | To cor. No. 3. Identical with cor. No. 2 of list, which is a sand- stone 10 x 8 x 8 ins. above ground, marked and wit- nessed as described by the Forest Service. Destroy same and set a sandstone 24 x 8 x 8 ins. 14 ins. in ground, over marked stone, chiseled 3-HES137 on SW. face, raise mound of stone 2 ft. base, 1-1/2 ft. |

TONTON NATIONAL FOREST

ARIZONA

| | | |
|--------|--|------|
| Chains | high, SW. of cor., whence: An oak 12 ins. dia., scribed 3 H E S 137 B T, bears S. 33° 50' W. 40 lks. An oak 12 ins. dia., scribed 3 H E S 137 B T, bears S. 42° 45' E. 49 lks. | |
| | At noon cloudy no lat. obsn. possible. Over level ground, through scattered timber. | |
| | Thence S. 34° 20' W. 1.00 Along NW. slope, through scattered timber. | 00.1 |
| 0.80 | Wire fence, bears N. 74° W. and S. 74° E. | 00.4 |
| 4.60 | Cor. worm fence, bears N. 17° E. and S. 54° W. | |
| 8.40 | Cor. worm fence, bears N. 55° 40' W. 50 lks. | 00.8 |
| 10.00 | Cor. worm fence, bears N. 55° 40' W. 20 lks. | 00.7 |
| 14.90 | Bottom small gulch, 2.00 chs. wide, 25 ft. deep, course NW. | 00.2 |
| 28.00 | Desc. SW. slope 30 ft. to bottom gulch. | |
| 30.00 | Bottom gulch, 15 lks. wide, 30 ft. deep, course NW. | 00.1 |
| | Asc. N. slope 30 ft. to SE. side gulch. | |
| 30.50 | SE. side gulch, leave gulch. Along NW. slope. | 00.8 |
| 38.00 | Desc. W. slope 40 ft. to bottom gulch. | |
| 40.50 | Bottom gulch, 25 lks. wide, course S. Along bottom gulch. | |
| 41.90 | Leave bottom gulch, Asc. NW. slope 30 ft. | 00.3 |
| 43.79 | To cor. No. 4. Identical with cor. No. 1 of list, which is a sandstone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. Destroy same and set a sandstone 24 x 10 x 6 ins., 14 ins. in ground, over marked stone, chiseled 4-HES137 on N. face; raise mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor., whence: A pine 14 ins. dia., scribed 4 H E S 137 B T bears N. 9° 23' W. 130 lks. | |

TONTON NATIONAL FOREST

ARIZONA

Chains A pine 10 ins. dia., scribed 4 H E S 137 B T
bears N. 85° 08' E. 64 lks.

Thence N. 42° 16' W.

00.00 Desc. NW. slope 30 ft. to bottom gulch, through scattered timber.

1.10 Bottom gulch, 25 lks. wide, course SW. Asc. SE. slope 50 ft. to top ascent.

2.10 Top ascent, bears NE. and SW., over level ground.

6.00 Desc. NW. slope 50 ft. to Tonto Creek, bears NE. and SW.

6.50 Tonto Creek, 25 lks. wide, banks 5 ft. deep, course SW. Over level bottom.

7.90 Center corral, bears S. 47° 44' W. 80 lks.

8.10 Wire fence, bears N. 12° E. and S. 12° W.

8.20 Asc. SE. slope 30 ft. to top ascent.

8.50 Center corral bears S. 47° 44' W. 1.80 chs.

10.00 Top ascent, 30 ft. above Tonto Creek, bears NE. and SW. Asc. gradual slope to cor.

12.10 Road, from Henry F. Haught's to Sam Haught's ranch, bears E. and W.

13.00 Wire fence, bears N. 76° W. and S. 76° E. Enter cultivated field.

13.85 Wire fence, bears N. 20° W. and S. 20° E. Leave cultivated field.

15.40 Wash 15 lks. wide, 5 ft. deep, course SW.

17.90 Center corral bears N. 47° 44' E. 85 lks.

19.87 To cor. No. 1 and the place of beginning.

00.00 AREA.
Total area H. E. S. No. 137 ----- 91.03 acres.

00.00 -----

00.00 IMPROVEMENTS.
The improvements made upon or for the benefit of this

2110

TONTON NATIONAL FOREST

ARIZONA.

| | | |
|--------|---|----------------------|
| Chains | claim, by the claimant or his grantors, consist of the following: | |
| | A log house, the SW. cor. of which bears from cor. No. 1 S. 62° 30' E., 9.10 chs. 24 x 28 ft. long side bears N. 78° W. | Value ----- \$100.00 |
| | A log house, the NW. cor. of which bears from cor. No. 1 S. 62° 10' E. 9.15 chs. 24 x 28 ft. long side bears N. 12° E. | Value ----- \$200.00 |
| | A log cabin, the NW. cor. of which bears from cor. No. 1 S. 60° 30' E. 10.60 chs. 15 x 18 ft. long side bears E. and W. | Value ----- \$ 50.00 |
| | A log cabin, the NW. cor. of which bears from cor. No. 1 S. 58° 15' E. 10.65 chs. 9 x 15 ft. long side bears N. and S. | Value ----- \$ 25.00 |
| | A log cabin, the NW. cor. of which bears from cor. No. 1 S. 60° 45' E. 11.15 chs. 15 x 15 ft. side bears N. and S. | Value ----- \$ 10.00 |
| | A circular corral, the center of which bears from cor. No. 4, N. 48° 05' W. 7.95 chs. 60 ft. dia., outside of claim. | Value ----- \$ 50.00 |
| | A log blacksmith shop, the SE. cor. of which bears from cor. No. 4, N. 6° 15' W. 8.90 chs. 8 x 10 ft. long side bears N. and S. | Value ----- \$ 10.00 |
| | A circular corral, the center of which bears from cor. No. 4; N. 54° 16' W. 8.70 chs. 60 ft. dia. outside of claim. | Value ----- \$ 50.00 |
| | An old corral, the center of which bears from cor. No. 1 S. 65° 45' E. 2.15 chs. 100 ft. dia. | Value ----- \$ 10.00 |
| | About 3/4 mile wire and worm fence. | Value ----- \$ 50.00 |
| | Total estimated value of improvements | ----- \$555.00 |

TONTON NATIONAL FOREST

ARIZONA.

Chains Claimant also has approximately 14.5 acres under cultivation, about .5 acre of which is outside of claim.

DESCRIPTION.

This claim is situated in small valley of Tonto Creek. The NW. and SE. parts of the claim are rough. That part lying between Tonto Creek and the arroyo and Gulch which traverses the SE. part of the claim, is fairly level bottom land. The SW. cor. of claim is also level.

The claim is covered with oak, cedar, juniper and pine, there being some merchantable timber.

Water is supplied by the Tonto for domestic purposes, the natural precipitation being depended upon to raise crops.

The claim is chiefly used for agricultural purposes and appears to be chiefly valuable for such.

No mineralization was observed or known on claim.

CONFLICTS AND ADJOINING CLAIMS.

No conflicting or adjoining claims known. H. E. S. No. 136 is situated northwesterly about 1-1/2 miles.

The nearest settlement and postoffice is Payson, Arizona, located southwesterly about 40 miles by road.

TRAVERSE.

| No. | Course | Dist. | N | S | E | W | |
|-----|---------------|-------|--------|-------|-------|-------|-------|
| 1-2 | N. 26° 08' E. | 39.52 | 35.48 | | 17.41 | | |
| 2-3 | S. 55° 51' E. | 24.90 | | 13.98 | 20.61 | | |
| 3-4 | S. 34° 20' W. | 43.79 | | 13.16 | | 24.70 | |
| 4-1 | N. 42° 16' W. | 19.87 | 14.70 | | | 13.36 | |
| | | | 128.08 | 50.18 | 50.14 | 38.02 | 38.06 |
| | | | | 50.14 | | | 38.02 |

Error in Lat. and Dep. .04 .04

Error of closure 1:2263.

117

TONTON NATIONAL FOREST

ARIZONA

Chains Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

DESCRIPTION

This claim is situated in small valley of Tonto Creek. The claim is roughly rectangular. The claim is fairly level bottom land. The SW. cor. of claim is also level. The claim is covered with oak, cedar, juniper and pine, there being some merchantable timber. Water is supplied by the Tonto for domestic purposes, the natural precipitation being depended upon to raise crops. The claim is chiefly used for agricultural purposes and appears to be chiefly valuable for such. No mineralization was observed or known on claim.

W. H. Finigan
Forest Service Surveyor.

COMPLETS AND ADJOINING CLAIMS

No conflicting or adjoining claims known. H. B. S. No. 136 is situated northwesterly about 1-1/2 miles. The nearest settlement and postoffice is Tyson, Arizona, located southwesterly about 40 miles by road.

TRAVELER

| No. | Course | Dist. | N | S | E | W |
|------------------------|---------------|-------|--------|-------|-------|-------|
| 1-2 | N. 80° 08' E. | 39.52 | 35.48 | | 14.41 | |
| 2-3 | S. 52° 51' E. | 24.00 | | 13.98 | 20.61 | |
| 3-4 | S. 34° 20' W. | 43.79 | | 18.16 | | 24.70 |
| 4-1 | N. 42° 18' W. | 19.87 | 14.70 | | | 15.36 |
| Total | | | 123.08 | 50.16 | 50.14 | 38.02 |
| Error in lat. and dep. | | | 0.04 | | | 0.04 |

113

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. 137, STATE OF ARIZONA, Sam Haught.

8-2349

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. | |
|--|---------------|-----------|---|------------------------|------------------------|------------------------|--------------|-----------|-------------------|--|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | | |
| 1-2 | N. 26° 08' E. | 39.52 | 35.48 ⁴⁷ | 13.98 ⁹⁹ | 17.41 ⁴² | 24.70 ⁶⁹ | 17.42 | 617.89 | 775.89 | |
| 2-3 | S. 55° 51' E. | 24.90 | | 36.16 ⁷ | 20.61 ⁶² | 13.36 ³⁵ | 55.46 | | 1858.78 | |
| 3-4 | S. 34° 20' W. | 43.79 | | | | 38.06 | 51.39 | | | |
| 4-1 | N. 42° 16' W. | 19.87 | 14.70 ⁶⁹ | 50.14 | 38.02 ^{38.04} | 38.06 ^{38.04} | 13.35 | 196.11 | | |
| | | 128.08 | 50.18 ^{50.16} | 50.14 ^{50.16} | 38.02 ^{38.04} | 38.06 ^{38.04} | | 814.00 | 2634.67 | |
| 1/137 | S. 84° 48' W. | 157.24 | Tie Cor. No. 1 to 1/4 Sec. Cor. W. Bdy. Sec. 7. | | | | | | | |
| 1/4 | N. 82° 28' W. | 6.56 | 0.86 | 14.25 | 156.59 | | | | | |
| 1/4-1/137 (calc) | N. 85° 18' E. | 163.64 | 13.39 | 14.25 | 163.09 | 6.50 | | | | |
| | | | 14.25 | 14.25 | 163.09 | 163.09 | | | | |
| Tie U.S.L.M.No. 137 to 1/4 Sec. Cor. W. Bdy. Sec. 7. | | | | | | | | | | |
| U.S.L.M.-1/137 | S. 71° 50' W. | 8.18 | | | | | | | | |
| 1/137 - 1/4 | S. 85° 18' W. | 163.64 | 15.94 | 2.55 | 170.86 | 7.77 | | | | |
| 1/4-U.S.L.M. | N. 84° 40' E. | 171.60 | 15.94 | 13.39 | 170.86 | 163.09 | | | | |
| | | | 15.94 | 15.94 | 170.86 | 170.86 | | | | |
| | | | | | | | | | 2) 1820.67 | |
| | | | | | | | | | 814.00 | |
| | | | | | | | | | 910.34 = 91.03 A. | |

T/V-U.2.T.M. N. 87° 40' E.
 T/V-13A - T/V N. 89° 18' W.
 U.2.T.M.-T/V-13A S. 11° 20' W.

111.90
 102.94
 8.18

T/V-21 12.31
 T/V-21 12.33
 T/V-21 5.92

T/V-21 12.31
 T/V-21 12.33
 T/V-21 5.92

The U.2.T.M. No. 13A to T/V Sec. 10. W. Bq. Sec. 10.

T/V-T/V-13A (cont'd) N. 82° 18' E.
 T/V N. 85° 38' W.
 T/V-13A S. 84° 43' W.

103.94
 9.92
 121.34

T/V-33 13.33
 T/V-33 0.92

T/V-33 13.33
 T/V-33 0.92

The Cor. No. 1 to T/V Sec. 10. W. Bq. Sec. 10.

210.21 = 31.02 A.
 2) 1320.21
 814.00
 506.21

T-V-1 N. 48° 19' W.
 T-V-1 S. 34° 50' W.
 T-V-2 S. 22° 21' W.
 T-V-2 N. 88° 08' E.

128.08
 19.87
 43.13
 34.30
 33.96

T/V-18 20.18
 T/V-18 14.10

T/V-18 20.18
 T/V-18 14.10

13.32
 91.33
 82.49
 14.43

814.00
 130.11
 673.89

1328.78
 142.82

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 13A STATE OF WISCONSIN

Sam Houghton

| COURSE | BEARING | DISTANCE | LATITUDES | | DEPARTURES | | DOUBLE W. D. | N. YARDS | E. YARDS |
|--------|---------------|----------|-----------|-------|------------|-------|--------------|----------|----------|
| | | | North | South | East | West | | | |
| T-V-1 | N. 48° 19' W. | 128.08 | 20.18 | 20.18 | 38.05 | 38.05 | 13.32 | 814.00 | 1328.78 |
| T-V-1 | S. 34° 50' W. | 19.87 | 14.10 | 22.76 | 30.61 | 13.32 | 91.33 | 130.11 | 142.82 |
| T-V-2 | S. 22° 21' W. | 34.30 | | 13.38 | 14.41 | 14.41 | 82.49 | | |
| T-V-2 | N. 88° 08' E. | 33.96 | 32.48 | | | | 14.43 | 673.89 | |

1. Only three copies of this tabulation are necessary for the District Office, the Surveyor General, and the Commissioner.
 2. In calculations of latitudes care must be taken to transfer the correct sign to the latitude of the first course. The correction for latitude should be proportional to the length of the original course, but not change the sign of the original latitude.
 3. In tabulating latitudes and Departures do not truncate or round the original figures, but put below them the corrected footing in red ink.
 4. The corrected figures of the original courses should be put in red ink.

APPROVAL

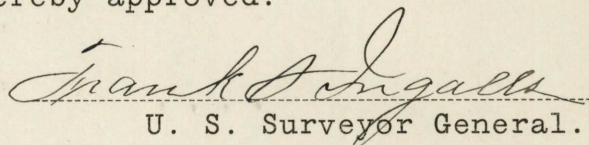
Office of the United States Surveyor General,

Phoenix, Arizona, March 24, 1915.

The foregoing field notes of Homestead Entry Survey No.

137

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 S. Ingalls
U. S. Surveyor General.