

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

MAY 1 - 1916

264 add
266
267 add
270

JUN 5 - 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 261

SITUATED IN THE

CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 27, surveyed, Township 21 S., Range 17 E.

(Survey waiting approval)

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor - Forest Service

Under special instructions dated September 16, 1914

Survey commenced December 1, 1914

Survey completed December 2, 1914

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

Applicant for listing Alexander Hinson,

Residence Elgin, Arizona

Application No. 175, dated August 5, 1910

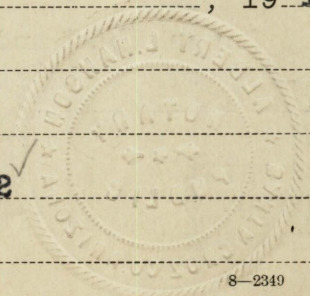
List No. 3-1151, dated April 7, 1911

Applicant for survey Alexander Hinson,

Residence Elgin, Arizona

H. E. No. 016523, dated January 29, 1912

Land district Phoenix, Arizona



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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. 261, in
- surveyed Section 27, Township 21 S., Range 17 E.,
- surveyed Section --, Township ----, Range ----,
(Survey awaiting approval)

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 expensive and incon-
venient to appear before
an officer to administer
oaths to the Assistants;
hence, they were taken
by the Surveyor.

Charles E. Hodson Chairman

Charles Baecht Chairman

Subscribed and sworn to before me this 2nd day of
December, 1914.

Walter G. Turley
Surveyor - Forest Service

OATH OF SURVEYOR

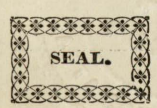
I, Walter G. Turley, Surveyor - Forest Service, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for ARIZONA, dated
September 16, 1914, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of land ~~upon the application of~~ embraced in
List, No. 3-1151, dated April 7, 1911, for
PATENT, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 261,
situated within the CORONADO National Forest, in
- surveyed Section 27, Township 21 S., Range 17 E., and
- surveyed Section --, Township ----, Range ----,
(Survey awaiting approval)

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 11 1916

Albert L. Hanson
Notary Public



CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing Alexander Hinson; Application
No. 175 dated August 5, 1910; List No. 3-1151 dated
April 7, 1911; Homestead Entry No. 1016523; made in
the Phoenix Land Office on January 29, 1912 by Alex-
ander Hinson whose postoffice address is Elgin,
Arizona.

Surveyed under Acts of June 11, 1906 and June 30, 1914;
and special instructions from the Surveyor General
for Arizona, dated September 16, 1914 and designated
as Homestead Entry Survey No. 261.
Situating in Sec. 27, T. 21 S., R. 17 E., Gila and Salt
River Base and Meridian, (surveyed and approved)
within the Coronado National Forest, Arizona.

Survey commenced December 1, 1914 and executed with a
W. and 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.

Test the adjustments of the transit and solar attach-
ment, 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

Chains

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.

December 1, 1914. I set up my transit over cor. H-4 of List 3-1151 which is a limestone 12 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 6h. 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. $31^{\circ} 34' 24''$ N. and Long. $110^{\circ} 36' 50''$ W.

Astron. l.m.t. obsn. Nov. 30, 1914 30h. 35.0m.

Astron. l.m.t., U.C. Pol. Nov. 30, 1914 8h. 52.9m.

Hour angle Pol. at obsn. 21h. 42.1m.

23h. 56.1m.

Time argument 2h. 14.0m.

Azimuth Pol. at obsn. $0^{\circ} 45' 00''$ E.

With my transit set up over cor. H-4 of List 3-1151

heretofore described, and the telescope reversed in

altitude and azimuth, at 6h. 44m. p.m., l.m.t., on

the same date, I again observe Polaris in accordance

with instructions, and mark the direction thus deter-

mined with a tack in a stake set firmly in the ground

5.00 chs. N. of my station.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

Astron. l.m.t., obsn. Nov. 30, 1914 30h. 44.0m.

Astron. l.m.t., U.C. Pol., Nov. 30, 1914 8h. 52.9m.

Hour angle Pol. at obsn. 21h. 51.1m.

23h. 56.1m.

Time argument 2h. 05.0m.

Azimuth of Pol. at obsn. $0^{\circ} 42' 18''$ E.

December 1, 1914.

December 2, 1914.

I turn off $0^{\circ} 45'$, the azimuth of Polaris, to the W. from her direction at 6h. 35m., p.m., l.m.t., December 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 $0^{\circ} 42-1/2'$, the azimuth of Polaris, to the W. from her direction at 6h. 44m., 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 $0^{\circ} 00' 28''$ 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 $31^{\circ} 34' 00''$ N. and Longitude $110^{\circ} 37' 00''$ W. at cor. to Secs. 27, 28, 33 and 34, T. 21 S., R. 17 E. taken from the Special Instructions of the Surveyor General which gives latitude $31^{\circ} 34' 24''$ N. and longitude $110^{\circ} 36' 50''$ W. at cor. No. 1 of this survey.

Chains

On account of cloudy weather, it was not possible to check the latitude by direct observation. I compare and set my watch for Standard 105th Meridian time on November 26, 1914; and subtract 22m. 27s.

therefrom for 1.m.t. At 8h. 00m. a.m., 1.m.t., December 2, 1914, I observe the magnetic declination to be 13° 55' E. at cor.

No. 1 which reduced gives a mean magnetic declination of 13° 52' E.

Retracement

Thence North.

From the 1/4 cor. to secs. 26 and 27, which is a standard iron post with brass cap 12 ins. above ground, marked and witnessed as described by the Surveyor General.

40.04 I fall 5 lks. E. of cor. to secs. 22, 23, 26 and 27, which is a standard iron post 12 ins. above ground, with brass cap, marked and witnessed as described by the Surveyor General.

Return course S. 0° 04' E.

Tie

Thence N. 6° 00' E.

On a random line.

From cor. to secs. 3, 4, 33 and 34, Ts. 21 and 22 S., R. 17 E., which is a limestone 12 x 12 x 6 ins. above ground, chiseled 3 notches on E. and W. edges with

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

mound of stone 2 ft. base, 1-1/2 ft. high W. of cor.

from which:

A 10 in. oak scribed T 21 S R 17 E S 34 B T

bears N. 20° 00' E. 111 lks.

A 9 in. oak scribed T 22 S R 17 E S 3 B T

bears S. 86° 00' E. 45 lks.

A 12 in. oak scribed T 22 S R 17 E S 4 B T

bears S. 10° 15' W. 47 lks.

A 10 in. oak scribed T. 21 S R 17 E S 33 B T

bears N. 57° W., 36 lks.

117.43 I fall 34 lks. due east of cor. H-4 of List 3-1151

which is a limestone 12 x 4 x 6 ins. above ground

marked and witnessed as heretofore described. I

destroy cor. H-4 and for cor. No. 1 of this survey

I chisel (+) on a stone 4 x 3 x 2 ins., and deposit

it 16 ins. in the ground; over which I set a sand-

stone 26 x 9 x 8 ins., 16 ins. in the ground; chisel-

ed (+) at the point and 1 - H.E S 261 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. white oak scribed 1 H E S 261 + B T

bears N. 17° 22' W. 46 lks.

A 7 in. black oak scribed 1 H E S 261 + B T

bears N. 84° 15' E. 70 lks.

Cor. to Secs. 3, 4, 33 and 34, Ts. 21 and 22 S.,

R. 17 E. bears S. 5° 50' W. 117.39 chs.

Thence N. 19° 23' W.

Over grass covered bottom in open.

19.44 To Cor. No. 2.

HOMESTEAD ENTRY SURVEY NO. 261

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Chains

Identical with Cor. H-3 of List 3-1151, which is a sandstone 6 x 3 x 3 ins. above ground marked and witnessed as described by the Forest Service. I destroy Cor. H-3 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 15 ins. in the ground; over which I set a limestone 25 x 10 x 9 ins., 15 ins. in the ground, chiseled (+) at the point and 2 - H E S 261 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 2 H E S 261 + B T
bears N. 50° 45' W. 170 lks.

A 7 in. black oak scribed 2 H E S 261 + B T
bears N. 29° 44' E. 168 lks.

Thence N. 69° 07' E.

Over grass covered bottom in open.

12.00 Leave open bears E. and W. and enter scrub oak.

53.30 Road bears NE. and SW.

55.36 To Cor. No. 3.

Identical with Cor. H-2 of List 3-1151, which is a limestone 8 x 4 x 4 ins. above ground marked and witnessed as described by the Forest Service. I destroy Cor. H-2 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 15 ins. in the ground, over which I set a limestone 25 x 12 x 5 ins., 15 ins. in ground, chiseled (+) at the point and 3 - H E S 261 on the S. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high S. of cor. from which:

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STATE OF ARIZONA

Chains

An imbedded limestone 8 x 6 x 1 ft. above ground chiseled. 3 H. E. S. 261 + B R bears N. 5° 47' E., 236. lks. No other witnesses available. Pits impracticable.

Thence S. 77° 08' E.
Descend 5 ft. over bottom in open.

9.20 Cor. fence, fence bears S. 77° 08' E. and W.

23.31 To Cor. No. 4.

And a closing cor. on line bet. Secs. 26 and 27. Identical with Cor. 4, H. E. S. No. 253 which is a conglomerate stone 12 x 4 x 10 ins. above ground chiseled (+) at the point, CC on E. face and 4 - H E S 253 on the SE. face; dig pits 24 x 18 x 12 ins. crosswise on line N. and S. 3-1/2 ft. and E. 7 ft. dist. and raise a mound of stone 4 ft. base, 2 ft. high E. of Cor. I chisel CC on the W. face and 4 - H E S 261 on the SW. face of the same stone and dig a pit 24 x 18 x 12 ins. crosswise on line N. 77° 08' W., 7 ft. dist. and add the excavated earth to the mound

E. of cor. from which:

An imbedded conglomerate stone 24 x 18 x 5 ins. above ground chiseled 4 - H E S 253 and 4 - H E S 261 + B R bears S. 78° 20' W., 104 lks. dist.

Cor. to Secs. 22, 23, 26 and 27 bears N. 0° 04' W. 10.97 chs. dist.

1/4 Cor. to Secs. 26 and 27 bears S. 0° 04' E., 29.07 chs. dist.

Cor. H-1 of List 3-1151 which is a limestone 8 x 4 x 4 ins. above ground marked and witnessed

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Chains

as described by the Forest Service bears
S. 77° 08' E., 6.86 chs. dist. from Cor. No. 4
of this survey. I destroy all trace of this
list cor.

Thence S. 0° 04' E.

Over grass covered bottom along line bet. Secs. 26
and 27 and line 4-3 of H. E. S. 253.

14.96 To Cor. No. 5.

And a closing cor. on line bet. Secs. 26 and 27.

Identical with cor. No. 3, H. E. S. No. 253, which is

a conglomerate stone 9 x 8 x 10 ins. above ground

chiseled (+) at the point, CC on the E. face and

3 - H E S 253 on the NE. face with pits crosswise

on line N. and S. 3 ft. dist. and 7 ft. S. 75° 42' E.

of cor. with mound of earth 4 ft. base, 2 ft. high,

3-1/2 ft. ESE. of cor. I chisel CC on WSW. face and

5 - H E S 261 on NW. face of same stone and dig a

pit 24 x 18 x 12 ins. crosswise on line 7 ft.

WSW. of cor. and increase the mound of earth which

stands ESE. of cor.

Cor. H-5 of List 3-1151 which is a limestone

12 x 5 x 8 ins. above ground marked and wit-

nessed as described by the Forest Service

bears S. 26° 15' W., 4.98 chs. dist. from

cor. No. 5 of this survey. I destroy all

trace of this list cor.

Cor. H-1, List 3-1151 destroyed bears N. 26° 15'

E., 15.00 chs. dist.

Thence S. 75° 14' W.

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Chains

Over bottom in open meadow.

9.42 Wire fence bears NW. and SE. Leave bottom and ascend along rolling north slope 20 ft. in oak brush.

46.05 Spur bears N. and S. Descend NW. slope 15 ft. in oak brush.

50.95 Leave slope bears NE. and SW.

Continue over grass covered bottom.

54.25 Ranch road bears N. and S.

70.36 To Cor. No. 1, the place of beginning.

AREA

Total Area 159.72 Acres

IMPROVEMENTS

The improvements made upon this homestead consist of the following:

A frame dwelling 20 x 15 ft., the long side extending E. and W. and the NE. cor. of which bears S. 53° 00' W., 7.95 chs. from cor. No. 3 of this survey.

Estimated Value \$150.00

Approximately 1 mile of wire fencing.

Estimated Value \$100.00

Approximately 6 acres of cultivated land.

DESCRIPTION

This claim is situated on the NE. slope of the Canelo Hills at an elevation of approximately 5,200 feet and is valuable for general farming and stock raising. There is no timber in this section. The slopes support a stand of oak.

Chains

Water for stock is impounded in pools and for domestic use is hauled one mile.

The soil is a deep dark loam and produces the ordinary crops of the temperate zone without irrigation. Good crops of corn, squash, and sorghums have been produced.

This section is not known to be mineralized; and no townsites, mining, coal or oil claims are known to have been located near this homestead. Limestone outcrops everywhere on the ridges.

Elgin postoffice and railway station is 8 miles by wagon road in a northeasterly direction.

There are no conflicts. H. E. S. No. 253 adjoins this

claim on the E. along line 4-5 of this survey. Cor.

No. 5, H. E. S. No. 254 bears N. 89° 13' E., 19.70 chs. from Cor. No. 1 of this survey.

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 19° 23' W.	19.44	18.34			6.45
2-3	N. 69° 07' E.	55.36	19.73		51.72	
3-4	S. 77° 08' E.	23.31		5.19	22.72	
4-5	S. 0° 04' E.	14.96		14.96	0.02	
5-1	S. 75° 14' W.	70.36		17.93		68.04
			183.43	38.07	38.08	74.46
				38.07		74.46
Error in Lat. and Dep.				.01		.03

Closing Error 1:5801

Survey completed December 2, 1914.

Walter G. 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. 261, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 19° 23' W.	19.44	18.34		6.45	6.45	118.29 ✓		
2-3	N. 69° 07' E.	55.36	19.73		51.72 ³	51.73	1020.63 ✓		
3-4	S. 77° 08' E.	23.31	5.19		22.72 ³	126.19		654.93 ✓	
4-5	S. 0° 04' E.	14.96	14.96		0.02	148.94		2228.14 ✓	
5-1	S. 75° 14' W.	70.36	17.93 ³		68.04 ³	80.93		1450.27 ✓	
		183.43	38.07	38.08	74.46		1138.92 ✓	4333.34 ✓	
			38.07	38.07	74.48			1138.92	
							Area.	20/3194.42	
								159.72	

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EMH

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 12 1917 , 191

The foregoing field notes of Homestead Entry Survey No.
261

executed by

Walter G. Tusley, Surveyor,

[Forest Service Title.]

under his special instructions, dated

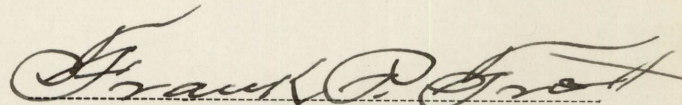
Sept. 16

, 1914, 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.