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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 314

SITUATED IN THE

CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 23, unsurveyed, Township 23 S., Range 16 E.

Section 26, unsurveyed, Township 23 S., Range 16 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service
Under special instructions dated January 11, 1915
Survey commenced January 14, 1915
Survey completed January 15, 1915
Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing Mrs. Nellie E. Hasselstrom,
Residence Mowry, Arizona.
Application No. 369, dated September 8, 1914
Application No. 285, dated May 12 & November 15, 1913
List No. 3-3048, dated January 26, 1914
Applicant for survey Mrs. Nellie E. Hasselstrom,
Residence Mowry, Arizona.
H. E. No. 025145, dated June 3, 1914.
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. 314, in
unsurveyed Section 23, Township 23 S., Range 16 E.,
unsurveyed Section 26, Township 23 S., Range 16 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.

Note: It would have been
 very expensive and incon-
 venient to appear before an
 officer to administer oaths
 to Assistants; hence, they
 were taken by the Surveyor.

Charles O. Hodson, Chairman
Charles H. Koehn, Chairman

Subscribed and sworn to before me this 21st day of
January, 1915.

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 January 11, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land embraced in List No. 3-3048, dated January 26, 1914, and a tract of land upon the application of Mrs. Nellie E. Hasselstrom, Application, No. 369, dated September 8, 1914, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 314, situated within the CORONADO National Forest, in unsurveyed Section 23, Township 23 S., Range 16 E., and unsurveyed Section 26, Township 23 S., Range 16 E. of the G. and S. R. B. and 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 perpetuated in strict accordance with the stated special instructions 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 23rd day of
February, 1915.

Elsie C. Myers
Notary Public



CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Applicant for listing Mrs. Nellie E. Hasselstrom;
Application No. 285, dated May 12, 1913 and November 15, 1913, on list submitted; List No. 3-3048, dated January 26, 1914; Homestead Entry No. 025145; made in the Phoenix Land Office on June 3, 1914 by Mrs. Nellie E. Hasselstrom whose postoffice address is Mowry, Arizona. Also a tract of unlisted land was included in this survey. The land is agricultural in character, was desired by the claimant, and will be listed as a basis for amendment of her entry 025145, Application No. 369, dated September 8, 1914.

Surveyed under Acts of June 11, 1906, and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated January 11, 1915, and designated as Homestead Entry Survey No. 314.

Situated in what will probably be when surveyed, secs. 23 and 26, T. 23 S., R. 16 E., G. & S. R. B. & M. within the Coronado National Forest, Arizona.

Survey commenced January 14, 1915, 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

Chains

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.

January 14, 1915.

I set up my transit over cor. H-9 of List 3-3048 which is a gneiss stone 8 x 4 x 3 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. 10m., 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.

Latitude $31^{\circ} 24' 22''$ N. Longitude $110^{\circ} 40' 39''$ W.

Astron. l.m.t., obsn. Jan 14, 1915	8h. 10.0m.
Astron. l.m.t., U.C. Pol. Jan. 14, 1915	<u>5h. 55.3m.</u>
Hour angle Pol. at obsn.	2h. 14.7m.
Azimuth Pol. at obsn. $0^{\circ} 45' 00''$ W.	

With my transit set up over cor. H-9 of List 3-3048 heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 22m., 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. Jan 14, 1915	8h. 22.0m.
Astron. l.m.t., U.C. Pol. Jan. 14, 1915	<u>5h. 55.3m.</u>
Hour angle Pol. at obsn.	2h. 26.7m.
Azimuth of Pol. at obsn. $0^{\circ} 48' 24''$ W.	

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January 15, 1915.

I turn off $0^{\circ}-48'$, the azimuth of Polaris, to the E.

from her direction at 8h. 10.0m., p.m., l.m.t. January

14, 1915; 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 $0^{\circ} 48-1/2'$, the azimuth of Polaris, to

the E. from her direction at 8h. 22m., 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 $0^{\circ} 00' 42''$ 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 $31^{\circ} 24' 20''$ N., and longitude $110^{\circ} 39' 47''$ W.

at cor. to secs. 19, 24, 25 and 30, T. 23 S., Rs. 16

and 17 E. taken from the special instructions of the

Surveyor General, which gives latitude $31^{\circ} 24' 22''$ N.,

and longitude $110^{\circ} 40' 39''$ W. at cor. No. 1 of this

survey. 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 January 13, 1915. I subtract

22m. 39s. therefrom for l.m.t.

January 15, 1915 at 8h. 00m., a.m., l.m.t., I observe

the magnetic declination at cor. No. 1 to be $13^{\circ} 40'$ E.

which reduced gives a mean magnetic declination of

$13^{\circ} 39'$ E.

Chains

Thence S. 87° 27' E.

On a random for a tie from cor. H-9 of List 3-3048.

65.45 I. fall 19 lks. S. of cor. to secs. 24 and 25, T. 23 S.

R. 16 E. and secs. 19 and 30, T. 23 S., R. 17 E., G.

& S. R. B. & M. which is a sandstone 10 x 10 x 6 ins.

above ground chiseled 2 notches on the S. and 4 notches

on the N. edges, with a mound of stone W. of cor.

from which:

A 12 in. oak, scribed T 23 S R 17 E S 19 B T,

bears N. 28° 15' E. 57 lks.

A 10 in. oak, scribed T 23 S R 17 E S 30 B T,

bears S. 31° 00' E. 22 lks.

A 16 in. oak, scribed T 23 S R 16 E S 25 B T,

bears S. 85° 45' W. 63 lks.

A 9 in. oak, scribed T 23 S R 16 E S 24 B T,

bears N. 8° 30' W. 18 lks.

Return course N. 87° 37' W.

Thence N. 87° 37' W.

On a true line for a tie.

65.45 To cor. No. 1. Also cor. No. 6, H E S. 315.

Identical with cor. H-9 of List 3-3048, which is a

gneiss stone 8 x 4 x 4 ins. above ground marked and

witnessed as described by the Forest Service. I des-

troy cor. H-9 and its witnesses, and deposit a stone

4 x 3 x 2 ins., marked with a (+), 14 ins. in ground;

over which I set a porphyry stone 24 x 13 x 5 ins.

chiseled (+) for the point, and 1 - H. E. S. 314 on W.

face, and 6 - H. E. S. 315 on SE. face; and raise a mound

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

which:

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STATE OF ARIZONA

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A 10 in. black oak, scribed 1 H E S 314 and
6 H E S 315 + B T, bears S. $3^{\circ} 15'$ E. 138 lks.
A 5 in black oak, scribed 1 H E S 314 and
6 H E S 315 + B T, bears N. $47^{\circ} 15'$ E. 3 lks.
Cor. to secs. 19, 24, 25 and 30, T. 23 S., Rs.
16 and 17 E. heretofore described, bears S.
 $87^{\circ} 37'$ E. 65.45 chs. dist.

Thence S. $53^{\circ} 10'$ W.

Over mesa in undergrowth.

12.17 To cor. No. 2, also cor. No. 5 H E S 315.

Identical with cor. H-1 of List 3-3048, which is a
granite stone 6 x 4 x 5 ins. above ground marked and
witnessed as described by the Forest Service. I des-
troy cor. H-1 and its witnesses. I deposit a stone
4 x 4 x 2 ins. marked with a (+) 16 ins. in the ground;
over which I set a quartzite stone 26 x 12 x 6 ins.
chiseled (+) for the point 2 - H E S 314 on W. face,
and 5 H E S 315 on SE. face; and raise a mound of stone
2 ft. base, 1-1/2 ft. high W. of cor. from which:

A 7 in. black oak, scribed 2 H E S 314 and
5 H E S 315 + B.T, bears S. $34^{\circ} 07'$ E. 154 lks.

A 5 in. black oak, scribed 2 H E S 314 and
5 H E S 315 + B T, bears N. $54^{\circ} 20'$ W. 99 lks.

I destroy the F. S. M. which is a granite stone
8 x 5 x 5 ins. above ground marked and witnessed
as described by the Forest Service and bears
S. $30^{\circ} 00'$ E. 1.96 chs. dist. from cor. No. 2
of this survey.

Thence S. $10^{\circ} 06'$ E.

Descend S. slope in undergrowth 20 ft.

1.20 Wagon road bears E. and W.

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Chains

- 2.18 E. cor. of chicken house. Leave slope and continue over bottom.
- 2.97 Fence cor. from which fence bears NW. and southerly along line.
- 4.17 Fence cor. from which fence bears NW. and along line.
- 5.20 Road bears E. and W.
- 8.55 Arroyo, 45 lks. wide, banks 3 ft. high, course E.
- 11.98 To cor. No. 3.
- Identical with cor. H-2 of List 3-3048, which is a gneiss stone 4 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. 3 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 16 ins. in the ground; over which I set a quartzite stone 26 x 12 x 6 ins., 16 ins. in the ground; chiseled (+) at the point and 3 - H E S 314 on the NW. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor. from which:
- A 6 in. black oak, scribed 3 H E S 314 + B T, bears S. 39° 45' W. 59 lks.
- A 9 in. black oak, scribed 3 H E S 314 + B T, bears S. 49° 00' E. 34 lks.
- Cor. No. 4 H. E. S. 315, a quartzite stone 12 x 12 x 10 ins. above ground marked (+) at the point and 4 - H E S 315 on NE. face with mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor. bears S. 10° 06' E. 3.41 chs. dist..
-
- Thence N. 74° 31' W.
- Ascend NE. slope 10 ft. in undergrowth.
- 0.85 Fence bears NW. and SE.
- 3.40 Spur bears NE. and SW. Continue along N. slope.
- 24.95 Arroyo 10 lks. wide, banks 2 ft. high, course NE. Ascend SE. slope 20 ft.

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Chains
30.08

To cor. No. 4.

Identical with cor. H-3 of List 3-3048, which is a porphyry stone 24 x 18 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-3 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 20 ins. in the ground; over which I set a quartzite stone 30 x 22 x 8 ins., 20 ins. in the ground, chiseled (+) at the point and 4 - H E S 314 on the NE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor. from which:

A 7 in. white oak, scribed 4 H E S 314 + B T,
bears N. 8° 35' W. 36 lks.

A 5 in. white oak, scribed 4 H E S 314 + B T,
bears N. 54° 18' W. 41 lks.

Thence N. 50° 30' W.

Descend NE. slope 10 ft. in undergrowth.

20.05 Arroyo 15 lks. wide, banks 2 ft. high, course NE. Continue over bottom.

30.05

To cor. No. 5.

Identical with cor. H-4 of List 3-3048, which is a porphyry stone 10 x 8 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses; and, for cor. No. 5 of this survey, I chisel (+) on a stone 3 x 3 x 2 ins. and deposit it 14 ins. in the ground; over which I set a quartzite stone 24 x 12 x 6 ins., 14 ins. in the ground; chiseled (+) at the point and 5 - H E S 314 on the NE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor. from which:

A 9 in. black oak, scribed 5 H E S 314 + B T,
bears N. 88° 00' E. 28 lks.

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Chains

A 9 in. black oak, scribed 5 H E S 314 + B T,
bears S. 4° 45' E. 62 lks.

Thence N. 10° 33' W.

Over bottom in undergrowth.

0.70 Road to Mowry bears E. and W.

4.00 Arroyo, 85 lks. wide, banks 1 ft. high, course E. Ascend
SW. mesa slope 15 ft.

5.80 Edge of mesa bears NW. and SE. Continue over mesa in
undergrowth.

12.00 To cor. No. 6.

Identical with cor. H-5 of List 3-3048, which is a
porphyry stone 4 x 4 x 4 ins. above ground marked and
witnessed as described by the Forest Service. I destroy
cor. H-5 and its witnesses; and, for cor. No. 6 of this
survey, I chisel (+) on a stone 4 x 4 x 2 ins., and de-
posit it 16 ins. in the ground; over which I set a
quartzite stone 26 x 14 x 8 ins., 16 ins. in the ground,
chiseled (+) at the point and 6 - H E S 314 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. black oak, scribed 6 H E S 314 + B T,
bears N. 60° 20' E. 60 lks.

A 6 in. white oak, scribed 6 H E S 314 + B T,
bears S. 36° 47' E. 65 lks.

Note: From cor. No. 6, I locate cors. H-6-7 and 8 as
follows:

Thence S. 50° 28' E. 30.11 chs.

To cor. H-6 of List 3-3048, which is a granite stone
10 x 4 x 5 ins. above ground marked and witnessed
as described by the Forest Service. I destroy cor.
H-6 and its witnesses.

Thence S. 74° 36' E. 16.11 chs.

To cor. H-7 of List 3-3048 which is a granite stone
12 x 3 x 5 ins. above ground marked and

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witnessed as described by the Forest Service.

I destroy cor. H-7 and its witnesses.

Thence N. 0° 25' E. 10.07 chs.

To cor. H-8 of List 3-3048 which is a gneiss stone 4 x 4 x 4 ins. above ground marked and witnessed as described by the Forest Service.

I destroy cor. H-8 and its witnesses.

Thence S. 72° 15' E.

At this point I pass from listed to unlisted land.

Descend S. slope over mesa 15 ft. in undergrowth.

65.20 To cor. No. 1, the place of beginning.

AREA.

Listed area-----74.05 acres.

Unlisted area -----32.49 acres.

Total-----106.54 acres.

IMPROVEMENTS.

The improvements made upon this claim consist of the following:

An adobe chicken house 24 x 12 ft. the long side extending NW. and SE. and the N. cor. of which bears S. 8° 30' W. 1.46 chs. dist. from cor. No. 2 of this survey.

Estimated value-----\$ 60.00

An adobe chicken house 24 x 12 ft. the long side extending NW. and SE. and the N. cor. of which bears S. 5° 22' E. 1.90 chs. dist. from cor. No. 2 of this survey.

Estimated value-----\$ 60.00

An adobe dwelling 18 x 16 ft., the long side extending N. and S. and the NW. cor. of which bears S. 0° 05' E.

Chains

3.54 chs. dist from cor. No. 2 of this survey.

Estimated value-----\$150.00

An adobe stable 22 x 16 ft. the long side extending N. and S. and the NE. cor. of which bears S. 22° W. 2.02 chs. dist. from cor. No. 2 of this survey.

Estimated value-----\$ 60.00

An adobe chicken house 24 x 12 ft. the long side extending N. and S. and the NE. cor. of which bears S. 35° 10' W. 2.20 chs. dist. from cor. No. 2 of this survey.

Estimated value-----\$ 60.00

Approximately 3/4 mile of fencing.

Estimated value-----\$ 75.00

A reservoir embankment 100 lks. long and 4 ft. high bearing NNE. and SSW., and the SE. end of which bears N. 88° 30' W. 10.00 chs. dist. from cor. No. 1 of this survey. Estimated capacity 0.1 acres ft.

Estimated value-----\$ 20.00

Approximately 2 acres of cultivated land.

DESCRIPTION.

This claim is situated on Mowry Wash which drains eastward into the Santa Cruz River at an elevation of approximately 5300 ft. and is well adapted to general farming, cattle, and chicken raising.

There is no body of timber in this section. The mesas are covered with a scrubby black oak and a few pine trees grow in the bottom.

Sufficient water for domestic purposes is obtained from the arroyo or shallow wells. None is used for irrigation.

The bottom soil is a sandy loam and produces corn, sor-

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Chains

ghums, sunflowers, and garden vegetables without irrigation. The mesa soil is a deep dark clay loam and very productive.

This is near the Patagonia Mining District which contains many patented claims; however no townsites, mining, coal or oil claims are known to conflict with this survey. Cor. No. 1 of the Ash lode claim survey No. 2193 bears N. 53° 49' W. 46.41 chs. dist. from cor. No. 5 of this survey.

Mowry post office is 2 miles in a northwesterly direction. Patagonia railway station is 22 miles in a northwesterly direction.

There are no conflicts. H. E. S. 315 based upon List 3-3168 adjoins this claim on the east.

In making this survey, I retraced the east boundary of sec. 24, T. 23 S., R. 16 E. from the 1/4 sec. cor. south and found it to be S. 0° 21' E. 40.43 chs.

TRAVERSE.

Cor.	Course.	Dist.	N.	S.	E.	W.
1-2	S. 53° 10' W.	12.17		7.30		9.74
2-3	S. 10° 06' E.	11.98		11.79	2.10	
3-4	N. 74° 31' W.	30.08	8.03			28.99
4-5	N. 50° 30' W.	30.05	19.11			23.19
5-6	N. 10° 33' W.	12.00	11.80			2.20
6-1	S. 72° 15' E.	65.20		19.88	62.10	
		161.48	38.94	38.97	64.20	64.12
Error in lat. and dep.				38.94	64.12	
				0.03	0.08	

Closing error 1:1890 ✓

Survey completed January 15, 1915.

Walter G. Turley
Surveyor - Forest Service.

Chains

... and very productive.
... this is near the Patagonia Mining District which con-
tains many patented claims; however no conflicts
mainly, coal or oil claims are known to conflict with
this survey. No. 1 of the Ash Lake claim survey
No. 1133 bears S. 89° 42' W. 45.41 chs. from cor.
No. 2 of this survey.
... lowly post office is 2 miles in a northwesterly direction.
Patagonia railway station is 12 miles in a northwester-
ly direction.
... there are no conflicts. U. S. S. 213 based upon that
S-2138 follows this claim on the east.
... In making this survey, I retraced the east boundary of
sec. 24, T. 33 N., R. 10 E. from the N. sec. cor.
south and found it to be S. 0° 11' E. 40.43 chs.

SUMMARY

Cor.	Course	Dist.	Area	Chains
1-2	S. 53° 10' E.	12.14		12.14
2-3	S. 10° 08' E.	11.93		11.93
3-4	N. 78° 31' E.	30.08	8.03	30.08
4-5	S. 30° 30' E.	30.08	19.11	30.08
5-6	S. 10° 38' E.	15.00	11.80	15.00
6-1	S. 72° 13' E.	33.30	13.58	33.30
		181.48	24.94	181.48
			24.94	181.48
			0.08	181.48

Survey completed January 15, 1913.
Closing error 1:1890
Error in lat. and geo.
Surveyor - Forest Service

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, August 8 , 1917

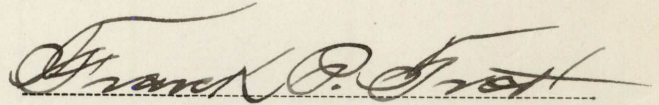
The foregoing field notes of Homestead Entry Survey No.

314

executed by **Walter G. Turley, Surveyor,**

[Forest Service Title.]

under his special instructions, dated **January 11** , 19**15**, 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.