Form 85
Sheet No. 1
(Revised July 1, 1914.)

ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

JUL 2- 1917

AUG. 20. 1917

NOV. 22 1918

MAR. 14 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 455

SITUATED IN THE SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 24, unsurveyed, Township 12 N., Range 16 E.

In Section 25, unsurveyed, Township 12 N., Range 16 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Inspection report hereunto

Applicant for listing Jesse Sharp,

Residence Heber, Arizona

Application No. 244, dated March 4, 1911

List No. 3-1266, dated April 28, 1911

Applicant for survey Thos. H. Shelley,

Residence Heber, Arizona

H. E. No. 022731, dated July 7, 1913

Land ~~District~~ Office Phoenix, Arizona

Survey executed by R. P. A. Johnson, Surveyor - Draftsman [Forest Service Title.]

Under special instructions dated April 17, 1916

Survey commenced June 27, 1916

Survey completed June 28, 1916

Under Acts of June 11, 1906 and March 4, 1915

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[OVER]

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OATH OF ASSISTANTS

We hereby certify that we assisted R. P. A. Johnson Surveyor Draftsman [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 455, in the State of Arizona which are represented in the following field notes as having been surveyed by him and under his direction; and that said survey 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 furnished by the United States Surveyor General for Arizona

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

Nelson T. Newman, Chainman

Orin Childers, Chainman

Subscribed and sworn to before me this sixth day of July, 1916.

R. P. A. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R. P. A. Johnson, Surveyor Draftsman [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated April 17, 1916, 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 3-1266 dated April 28, 1911 and a tract of land upon the application of Thos. H. Shelley Application, No. 244, dated March 4, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 455, situated within the Sitgreaves National Forest, in ~~un~~surveyed Section 24, Township 12N, Range 16E, and ~~un~~surveyed Section 25, Township 12N, Range 16E, of the Gila and Salt River Base 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.

R. P. A. Johnson
Surveyor Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this thirtyfirst day of March, 1917.

Ethel M. Gutshall
Notary Public

SEAL.

My Commission expires Mar. 17 1921

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HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains	
	Applicant for listing, Jesse Sharp; Application No. 244, dated March 4, 1911; List No. 3-1266, dated April 28, 1911; H. E. 022731, made in the Phoenix Land Office on July 7, 1913 by Thos. H. Shelley.
	Also a trace of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 022731.
	Surveyed under special instructions from the Surveyor General for Arizona, dated April 17, 1916 and designated as Homestead Entry Survey No. 455.
	Situated in what will probably be, when surveyed, sec. 24, 25, T. 12 N., R. 16 E., Gila and Salt River Base and Meridian, Sitgreaves National Forest, Arizona.
	Surveyed under the Acts of June 11, 1906 and March 4, 1915.
	Survey commenced June 27, 1916 and executed with a Buff and Buff transit equipped with Smith solar attachment.
	I test the adjustments of the transit and make necessary corrections.
	All distances are horizontal and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.
	June 27, 1916.
	I observe the altitude of the sun for azimuth at cor. No. 2 of this survey. The reading on the reference object is set at zero and the sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. Lat. 34° 25' 15" N., Long., 110° 36' 20" W., from special instructions from the Surveyor General, now verified.

HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains				
	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	9h. 22m. 04s.	83° 09' 00"	53° 13' 00"
	Reversed	9h. 23m. 40s.	83° 43' 30"	52° 59' 00"

Bearing of reference object, N. 0° 04' 43" W.

In p.m. I again observe the altitude of the sun for azimuth at cor. No. 1. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field. Lat. 34° 24' 50" N., Long. 110° 35' 55" W., from special instructions from the Surveyor General, now verified.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	3h. 52m. 21s.	86° 29' 00"	39° 26' 00"
Reversed	3h. 53m. 23s.	87° 01' 00"	39° 43' 30"

Difference from a.m. solar, 0° 00' 54".

June 27, 1916. RETRACEMENT

I retrace line 1 to 4 of H. E. S. 198 as follows:

Beginning at cor. No. 1 of H. E. S. 198, hereinafter described.

Thence N. 87° 46' E.

On a random line.

19.68 Fall 3-1/2 lks. South of cor. No. 4 H. E. S. 198, which is an embedded limestone boulder 14 x 2 x 2 ft. above ground, marked 4 - H E S 198 on NW. face, with mound of stone NW. of cor.

True line is N. 87° 40' E., 19.68 chs.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Deposit a limestone 4 x 4 x 2 ins. marked with a +, 18 ins. in the ground, over which set a limestone 28 x 14 x 8 ins., chiseled + for the point and 1 - H E S 455 on E. face; and raise a mound of stone 3 ft. base, 2 ft.

HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains	
	high E. of cor., whence:
	A yellow pine, 20 ins. dia., bears S. 70° 23' E., 81 lks. dist., scribed 1 H E S 455 + B T.
	A yellow pine, 20 ins. dia., bears N. 26° 37' E., 90 lks. dist., scribed 1 H E S 455 + B T.
	U. S. L. M. No. 179 H. E. S., established in connection with H E Survey of that number, which is an embedded limestone 12 x 4 x 2 ft. above ground, chiseled U S L M No. 179 H E S on East face, with mound of stone 6 ft. base, 4 ft. high alongside, bears N. 45° 06' W., 7.14 chs., by direct measurement.
	Lat. 34° 24' 50" N., Long. 110° 35' 55" W., from special instructions from the Surveyor General, and now verified.
	Mag. Var. at 8:00 a.m. 14° 30' E. Mean Mag. Var., 14° 34' E.
	Thence N. 15° 48' W.
	Over unlisted land. Ascend 10 ft. in open to rocky point.
7.50	Road bears WNW. and ESE.
15.10	Rocky point. Descend 15 ft. to cor.
18.01	To cor. No. 2.
	Identical with cor. No. 1 of H. E. S. 198, which is a limestone 14 x 5 x 10 ins. above ground, marked 1 - H E S 198 on NE. face. I chisel same stone 2- H E S 455 on SE. face for cor. No. 2 of this survey; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., whence:
	A yellow pine, 30 ins. dia., bears N. 86° 30' W., 157 lks. dist., scribed 2 H E S 455 + B T.
	A yellow pine, 36 ins. dia., bears S. 44° 30' W., 296 lks. dist., scribed 2 H E S 455 + B T.
	Cor. H-6 of the last survey, which is a limestone 14 x 10 x 14 ins. above ground, marked

HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains	
	and witnessed as described by the Forest Service, bears S. 25° 06' E., 10.53 chs. dist. I destroy all trace of this list cor.
	Thence N. 87° 40' E.
	Along line 1-4 of H. E.S. 198 in open, over level land.
0.03	Fence cor., fence bears SSE. and E.
1.99	Fall 8 lks. N. of cor. H-1 of list survey, which is a limestone 10 x 8 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.
	Leave unlisted and enter listed land.
8.72	Telephone line bears N. and S.
11.02	To cor. No. 3.
	Deposit a limestone 3 x 2 x 1 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 14 x 5 ins., chiseled + for the point and 3 - H E S 455 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:
	A yellow pine, 8 ins. dia., bears N. 23° 45' E., 84 lks. dist., scribed 3 H E S 455 + B T.
	A yellow pine, 10 ins. dia., bears S. 20° E., 170 lks. dist., scribed 3 H E S 455 + B T.
	Cor. H-2 of the list survey, which is a sandstone 16 x 12 x 10 ins. above ground, marked and witnessed as described by the Forest Service, bears South, 40 lks. dist. I destroy all trace of this list cor.
	Cor. H-3 of the list survey, which is a limestone 14 x 10 x 14 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 22° E., 8.78 chs. dist. I destroy all trace of this list cor.

Chains	
	Thence S. 28° 28' E.
	Over level land to wash. Leave listed and enter unlisted land.
1.50	West bank Buckskin Wash, 4 ft. high, course N.
4.90	East bank Buckskin Wash, 4 ft. high.
16.50	East bank Buckskin Wash, bank 5 ft. high, enter Wash.
21.95	East bank Buckskin Wash, bank 3 ft. high, leave wash.
36.10	Cor. H-4 of the list survey, which is an embedded limestone 1 x 3 x 3 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Continue over unlisted land.
	Ascend along West slope in open 20 ft. to cor.
44.90	To cor. No. 4.
	Deposit a limestone 4 x 4 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 12 x 8 ins., chiseled + for the point and 4 - H E S 455 on NW. face; and raise a mound of stone 3 ft. base, 2 ft. high NW. of cor., whence:
	A yellow pine, 12 ins. dia., bears N. 46° 35' W., 113 lks. dist., scribed 4 H E S 455 + B T.
	A yellow pine, 20 ins. dia., bears N. 1° 58' E., 120 lks. dist., scribed 4 H E S 455 + B T.
	June 27, 1916.
	June 28, 1916.
	Thence S. 48° 03' W.
	Descend 15 ft. in open to Wash.
10.64	East bank Buckskin Wash, 5 ft. high, course NNW.
11.73	West bank Buckskin Wash, 5 ft. high.
15.64	To cor. No. 5.
	Identical with cor. H-5 of the list survey, which is a sandstone 10 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy

HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains	
	all trace of this list cor. Deposit a limestone 4 x 2 x 1 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 8 x 8 ins., chiseled + for the point and 5 - H E S 455 on NE. face; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:
	A yellow pine, 10 ins. dia., bears N. 6° 43' E., 141 lks. dist., scribed 5 H E S 455 + B T.
	A yellow pine, 14 ins. dia., bears N. 25° 25' W., 184 lks. dist., scribed 5 H E S 455 + B T.
	Thence N. 26° 20' W.
	Over unlisted land. In edge of timber, over level land.
14.65	Road bears N. and S.
35.85	Cor. No. 1, the place of beginning.

AREA

Area of Listed land - - - - - - - - - - - - -	53.00 acres
Area of Unlisted land - - - - - - - - - - - -	14.74 acres
Total Area - - - - - - - - - - - - - - - - -	67.74 acres

IMPROVEMENTS

The improvements made upon and for the benefit of this homestead claim, and belonging to the claimant, consist of the following:

A log dwelling, 18 x 14 ft., the long side of which bears E. and W. and the SE. cor. of which bears N. 16° 36' W., 12.10 chs. dist. from cor. No. 5.

Value ---------- $125.00

A root cellar, 11 x 8 ft., the ventilator of which bears N. 20° 42' W., 12.56 chs. dist. from cor. No. 5.

Value ---------- $ 10.00

Chains

There is approximately 1-1/2 miles of wire fence.

Value ---------- $175.00

There are approximately 30 acres in cultivation.

DESCRIPTION

This claim is situated on Buckskin Wash, at an elevation of 6600 ft. on N. slope of Mogollon Mesa. The entire claim is bottom land with scattered stand of yellow pine with low ridges of pinon and juniper to E. and W. The general slope is to the N.

The soil is a sandy loam of good depth and produces good crops.

The timber consists of a scattered stand of yellow pine over entire area, except portion in cultivation where timber has been killed or removed.

There is no water for irrigation, and water for domestic use is obtained by digging shallow holes in the wash.

I saw no indications of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. This claim is joined on the North by H. E. S. 198 of J. I. Porter.

Heber, Arizona, the nearest post office is approximately 1 mile North; and Holbrook, Arizona, the nearest railroad point and commercial center, is approximately 50 miles North. Both are accessible by good wagon road.

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Sheet No. 2

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HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 15° 48' W.	18.01	17.33			4.90
2-3	N. 87°40' E.	11.02	0.45		11.01	
3-4	S. 28° 28' E.	44.90		39.47	21.40	
4-5	S. 48° 03' W.	15.64		10.46		11.63
5-1	N. 26° 20' W.	35.85	32.13			15.90
		125.42	49.91	49.93	32.41	32.43
				49.91		32.41
Error in Lat. and Dep.				.02		.02

Closing error, 1:4432.

Survey completed June 28, 1916.

Note:

List survey located this claim in Secs. 13 and 24 which location was found to be erronous by tie to sec. cor. made in connection with U.S.L.M. No. 179 H.E.S.

R P Johnson

Surveyor - Draftsman

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Form 85.
Sheet No. 2.

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HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains

Direct Solar at cor. No. 2, H. E. S. 455, June 27, 1916.

Lat. 34° 25' 15" N. Long. 110° 36' 20" W. Elevation 6500 ft.

Decl. 23° 19' 50" N.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	9h. 22m. 04s.	83° 09' 00"	53° 13' 00"	+
Reversed	9h. 23m. 40s.	83° 43' 30"	52° 59' 00"	+
	9h. 22m. 52s.	83° 26' 15"	53° 06' 00"	
			35"	
			53° 05' 25"	

$$\text{Cos. Q.} = \frac{+\sin.\ 23°\ 19'\ 50''}{\cos.\ 34°\ 25'\ 00'' \times \cos.\ 53°\ 05'\ 25''} - \tan.\ 34°\ 26' \times \tan.\ 53°\ 05'\ 25''$$

log. sin. 23° 19' 50" = + 9.597734
log. cos. 34° 25' 15" = - 9.916406
log. cos. 53° 05' 25" = - 9.778554
9.902774 = log. +.79942

log. tan. 34° 25' 15" = 9.835848
log. tan. 53° 05' 25" = 10.124310
9.960158 = log. -.91234

Cos. Q. = .11292

Q. = 83° 30' 58"

Bearing of reference object, N. 0° 04' 43".W.

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Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains

Direct solar at cor. No. 1, H. E. S. 455, June 27, 1916.

Lat. 34° 24' 50" N. Long. 110° 35' 55" W. Elevation 6500 ft.

Decl. 23° 19' 11" N.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	3h. 52m. 21s.	86° 29' 00"	39° 26' 00"	°+
Reversed	3h. 53m. 23s.	87° 01' 00"	39° 43' 30"	+°
	3h. 52m. 52s.	86° 45' 00"	39° 34' 45"	
			55"	
			39° 33' 50"	

$$\text{Cos. Q.} = \frac{\text{sin. } 23° \ 19' \ 11"}{\text{cos. } 34° \ 25' \ 35" \times \text{cos. } 39° \ 33' \ 50"} - \text{tan. } 34° \ 25' \ 35" \times \text{tan. } 39° \ 33' \ 50"$$

log. sin. 23° 19' 11" = 9.597543
log. cos. 34° 24' 50" = 9.916441
log. cos. 39° 33' 50" = 9.887006
9.794096 = log. .62244

log. tan. 34° 24' 50" = 9.835735
log. tan. 39° 33' 50" = 9.917091
9.752826 = log. .56601

Cos. Q. = .05643

Q. = 86° 45' 54"

Difference from a.m. solar 0° 00' 54".

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Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

Chains

U. S. Department of Agriculture

Forest Service

Inspection of HES No. 455 State of Arizona.

L. Entry Surveys

Shelley, Thos. H., H. A. No. 244.

Survey commenced Nov. 15, 1916 and completed Nov.15,1916.
Situated in unsurveyed Secs. 13 and 24 T. 12 N., R. 16 E.
G. & S. R., B. & M., Sitgreaves National Forest, Arizona.

Survey executed with a Buff & Buff light mountain transit No. 9703 with Smith Solar Attachment.
I test the adjustments and make necessary corrections.
No stadia or triangulation used. All measurements were made directly on the slopes with a 500 link steel tape and the slope angles determined with a clinometer. The horizontal distances alone appear in these notes.

November 15, 1916.

At Cor. No. 2 at 4h 11.3m p.m., l.m.t. I observe Polaris with telescope direct, reading an angle of 26° 25' from star to right to a reference mark about 1/2 mile distant. Latitude 34°26'N. Longitude 110°36'W. derived from a G. L. O. map.

G.m.t. U. C. Polaris Nov. 15, 1916	9h 52.5m p.m.
Longitude correction	1.2
l.m.t. U. C. Polaris Nov. 15, 1916	9 51.3
" of obsn. " " "	4 11.3
hour angle	5 40.0
Azimuth of Polaris	181° 22' 17"
add	26° 25' 00"
Azimuth of reference work	207° 47' 17"
subtract	180° 00' 00"
bearing of mark =	N 27° 47' 17"E.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains			

8—2349

Chains

At 4h. 21.3m p.m. l.m.t. I again observe Polaris with telescope reversed, reading an angle of 26° 25' 30" between reference mark and the star.

Astron.l.m.t. U.C. Polaris Nov. 15, 1916	9h.51.3m p.m.
Astron.l.m.t. of obsn., Nov. 15, 1916	4h.21.3m
Hour angle of Polaris	5h.30.0m.
Azimuth of Polaris	181°-22'-00"
add	26° 25' 30"
Azimuth of reference mark =	207° 47' 30"
subtract	180° 00' 00"
bearing of reference mark =	N. 27° 47' 30" E.

From the mean of the two observations I determine the bearing of reference mark as being N. 27°-47'-23" E. and from the corresponding meridion all the courses of this survey were deflected.

An addition of about twelve acres was made on the S. end of the claim and also about three acres on the E. and W. sides as a result of straightening out the lines, all of which can be properly classed as agricultural.

There was no objectionable hiatus or overlap. The N. bdy. of this claim was made identical with a part of the S. bdy. of HES No. 198.

Cor. H-3 of the listing survey was eliminated, which was the only one that could be without including a large amount of valuable timber.

All corners were well set, of standard size plainly marked and properly witnessed.

The corners were not set in accordance with the listing described as it was found desirable to place them so as to include all the available agricultural land and eliminate superfluous corners.

The survey conforms with statutory limits as to length

2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains	

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HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

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Chains	
	and area.

Retracements.

November 16, 1916.

Beginning at Cor. No. 1 of HES 198, which is also Cor. No. 2 of HES No. 455.

Thence N. 87° 40' E.

on a random line along line 1-2 of HES No. 198.

19.67 Fall 1/2 lk. S. of Cor. No. 2 of HES No. 198.

Thence S. 87° 39' W.

on a true line along line 2-1 of HES No. 198.

8.66 Intersect Cor. No. 3 of HES No. 455.

19.67 Intersect Cor. No. 1 of HES No. 198 which is also Cor. No. 2 of HES No. 455, the place of beginning.

No field corrections were made as the survey was found to be well within Inspection limits.

Traverses.

Cor.	Courses Inspector	Courses Surveyor	Distances Inspector	Distances Surveyor
1-2	N. 15-50 W.	N. 15-48 W.	18.02	18.01
2-3	N. 87-39 E.	N. 87-40 E.	11.01	11.02
3-4	S. 28-30 E.	S. 28-28 E.	44.92	44.90
4-5	S. 48-02 W.	S. 48-03 W.	15.64	15.64
5-1	N. 26-20 W.	N. 26-20 W.	35.84	35.85

U. S. L. M. No. 179 HES bears N. 45-08 W. 7.14 chs. from Cor. No. 1.

I respectfully recommend that the original survey be accepted as the work shows a high degree of precision.

(Signed) C. A. Long,

Surveyor-Forest Service.

2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains	

Form 85.
Sheet No. 3.—Revised Feb., 1915.

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.

TRAVERSE SUBMITTED BY INSPECTOR LONG.

8—2349

TABLING AND CALCULATIONS OF ~~HOMESTEAD~~ INSPECTION ENTRY SURVEY NO. 455, STATE OF Arizona

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1-2	N.15-50W.	18.02	17	34					4	92	4	92	85	31			
2-3	N.87-39E.	11.01		45			11	00			11	00	4	95			
3-4	S.28-30 E.	44.92			39	~~48~~ 46	21	~~43~~ 44			43	44			1714	14	
4-5	S.48-02W.	15.64			10	46			11	63	53	25			557	00	
5-1	N.26-20W.	35.84	32	~~12~~ 13					15	~~90~~ 89	25	73	826	70			
		125.43	49.	91	49	94	32	43	32	45			916	96	2271	14	
	Closing error 1:3479														916	96	
															2) 1354	18	
															~~677~~	~~09~~	677.71 acres

Feb. 1911

8AC

Form 85.
Sheet No. 3.—Revised Feb., 1915.

TRAVERSE SUBMITTED BY SURVEYOR JOHNSON.

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.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 455, STATE OF Arizona

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1-2	N.15-48W.	18.01	17	33					4	90	4	90	84	92			
2-3	N.87-40E.	11.02		45			11	01			11	01	4	95			
3-4	S.28-28E.	44.90			39	47	21	40			43	43			1713	75	
4-5	S.48-03W.	15.64			10	46			11	63	53	21			556	58	
5-1	N.26-20W.	35.85	32	13					15	90	25	69	825	68			
		125.42	49	91	49	93	32	41	32	43			915	55	2270	33	
															915	55	
		Closing Error 1:4435													2)1354	78	
															677	39	67.74 acres

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Form 85.
Sheet No. 3.—Revised Feb., 1915.

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 455, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1-2	N. 15° 48' W.	18.01	17	33					4	90	4	90	84	92		
2-3	N. 87° 40' E.	11.02		45	39	46	11	01			11	01	4	95		
3-4	S. 28° 28' E.	44.90			39	47	21	40			43	43			1713	75
4-5	S. 48° 03' W.	15.64			10	46			11	63	53	21			556	58
5-1	N. 26° 20' W.	35.85	32	13					15	90	25	69	825	68		
		125.42	49	91	49	93	32	41	32	43			915	55	2270	33
			49	92	49	92	32	42	32	42					915	55
															20/1354	78
	Closing error,	1:4432.													67	74 Acres.

EMH

Form 85
Sheet No. 4

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 18, 1918.

The foregoing field notes of Homestead Entry Survey No.

455

executed by R. P. A. Johnson, Surveyor-Draftsman [Forest Service Title.]
under his special instructions, dated April 17, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Trott
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.

8—2349