

ORIGINAL

59

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

AUG 10 1918

NOV 5 1915

AUG 2 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 505

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT No. 3

Approximately

- In Section 8 , unsurveyed, Township 4 N., Range 30 E.
- In Section 9 , unsurveyed, Township 4 N., Range 30 E.
- In Section 16 , unsurveyed, Township 4 N., Range 30 E.
- In Section 17 , unsurveyed, Township 4 N., Range 30 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

MAR 20 1918

JUN 11 1918

OCT 24 1918

Applicants for listing Miss Nora Magers and Ernest Jackson,

Residence	Alpine, Arizona
Application No. 305 ✓	, dated November 8, 1913 ✓
Application No. 306	, dated November 8, 1913
List No. 3-3171 ✓	, dated May 16, 1914 ✓
List No. 3-3234	, dated July 7, 1914

E. 036235  
10-11-17

Applicant for survey Victor L. Muzzey, ✓

Residence Alpine, Arizona

H. E. No. 025953 ✓, dated February 24, 1915 ✓

Office Phoenix, Arizona  
Land District

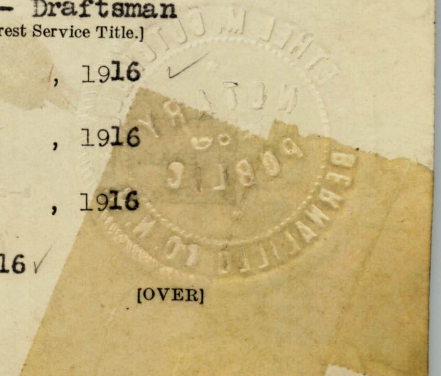
Survey executed by R. P. A. Johnson, Surveyor - Draftsman  
(Forest Service Title.)

Under special instructions dated September 5, 1916 ✓

Survey commenced September 11, 1916

Survey completed September 12, 1916

Under Acts of June 11, 1906 and August 11, 1916 ✓



OATH OF ASSISTANTS

We hereby certify that we assisted

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

*R. P. Johnson*  
in surveying all those

parts or portions of Homestead Entry Survey No. 505, 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.

*Chester Lee*, Chairman  
*Howard B. Ricketts*, Chairman

Subscribed and sworn to before me this *twenty seventh* day of *September*, 1916.

*R. P. Johnson*  
Surveyor Draftsman

OATH OF SURVEYOR

I, *R. P. 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 *September 5, 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. 3-3171, dated May 16, 1914 and  
List No. 3-3234, dated July 7, 1914, for  
Patent, under the Act of *Jennell*, 1906,  
the same to be known as Homestead Entry Survey No. 505,  
situated within the *Sprache* National Forest, in  
*unsurveyed Section 8*, Township *4N*, Range *30E*, and  
*unsurveyed Section 9*, Township *4N*, Range *30E*,  
*unsurveyed Section 16 & 17*, Township *4 N.*, Range *30 E.*

*4288, 9, 16817*

of the *Gila and Salt River Basins* 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. Johnson*  
Surveyor Draftsman  
[Forest Service Title.]

Subscribed and sworn to before me this *twelfth* day of *April*, 1917.

*Ethel M. Gutchall*  
Notary Public



My Commission expires Mar. 17 1921

Chains Applicants for listing, Miss Nora Magers and Ernest Jackson; Application Nos. 305 and 306, dated November 8, 1913 and November 8, 1913; List Nos. 3-3171 and 3-3234, dated May 16, 1914 and July 7, 1914; H. E. 025953, made in the Phoenix Land Office on February 24, 1915 by Victor L. Muzzey.

Note: A portion of List 3-3234, which was unentered at the time of this survey, was included in this survey in accordance with the desires of the claimant, in order to fill out his 160 acres. The Commissioner of the General Land Office was advised on October 5, 1917 that the Forest Service had no objection to allowance of entry for the 159.58 acres which include List 3-3171 and a portion of land listed under List 3-3234.

Surveyed under special instructions from the Surveyor General for Arizona, dated September 5, 1916 and designated as Homestead Entry Survey No. 505.

Situated in what will probably be, when surveyed, Secs. 8, 9, 16 and 17, T. 4 N., R. 30 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under Acts of June 11, 1906 and August 11, 1916.

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Survey commenced September 11, 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.

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September 11, 1916 p.m.

I observe the altitude of the sun for azimuth at cor.

2.

TAPACHE NATIONAL FOREST

STATE OF ARIZONA

Chains No. 1 of this survey, hereinafter described. 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. My watch is set for local mean time.

Lat. 33° 42' N., Long. 109° 15' 54" W., from special instructions from Surveyor General and later verified.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	3h.42m.14s.	72° 54' 00"	31° 16' 00"
Reversed	3h.43m.03s.	72° 27' 30"	31° 37' 00"

Bearing of reference object, N. 0° 04' 26" W.

September 12, 1916 a.m.

I again observe the altitude of the sun for azimuth at same station. 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.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	8h.01m.02s.	75° 47' 00"	27° 04' 30"
Reversed	8h.01m.51s.	76° 15' 00"	26° 42' 00"

Bearing of reference object, N. 0° 05' 34" W.

The mean of these two observations is N. 0° 05' 00" W., and to the corresponding meridian all courses of this

survey are referred.

BOUNDARIES OF CLAIM

September 12, 1916

Beginning at Cor. No. 1

Identical with Cor. H-2 of the list survey, which is

a lava stone 8 x 6 x 5 ins. above ground, marked and

witnessed as described by the Forest Service. I de-

stroy all trace of this list cor. Deposit a lava stone

4 x 3 x 3 ins. marked with a + 14 ins. in the ground,

over which set a lava stone 24 x 7 x 7 ins., chiseled

+ for the point and 1 - H E S 505 on S. face; and

raise a mound of stone 3 ft. base, 2 ft. high South

Chains	<p>of cor., whence:</p> <p>A yellow pine, 18 ins. dia., bears S. 27° 47' W., 50 lks. dist., scribed 1 H E S 505 + B T.</p> <p>A yellow pine, 20 ins. dia., bears N. 36° 20' E., 145 lks. dist., scribed 1 H E S 505 + B T.</p> <p>U.S.L.M. No. 504 H.E.S. (erected by me on September 11, 1916 in connection with the survey of H. E. S. No. 504) a + on top of a lava bluff 6 x 6 x 8 ft. above ground, mark- ed U S L M No 504 H E S, with mound of stone 11 ft. base, 9 ft. high W. of cor., bears N. 2° 10' W., 4.68 chs. dist. by direct measure- ment.</p> <p>Lat. 34° 42' N., Long. 109° 15' 54" W., from special instructions from the Surveyor General and later verified.</p> <p>Mag. decl. at 8 a.m., 13° 40' E. Mean mag. decl. 13° 37' E.</p> <p>Thence S. 47° 28' E.</p>
3.50	<p>Descend 5 ft. in open to arroyo.</p> <p>Arroyo, 4 lks. wide, banks 1 ft. high, course W.</p> <p>Ascend 20 ft. in scattered timber to ridge.</p>
10.00	<p>Ridge, bears E. and W. Ascend 15 ft. in scattered timber to bottom.</p>
16.00	<p>Bottom slope. Thence along edge open bottom.</p>
21.50	<p>Leave bottom. Ascend 15 ft. to point in scattered timber.</p>
23.50	<p>Point, bears NE. and SW. Descend 15 ft. to arroyo.</p>
27.80	<p>Arroyo, 15 lks. wide, banks 1 ft. high, course SW.</p> <p>Ascend along W. slope 35 ft. to bench.</p>
31.45	<p>Fence, bears WNW. and ESE.</p>
39.85	<p>Top bench. Thence over level land.</p>
43.20	<p>Leave bench and descend 30 ft. along SW. slope.</p>

4.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains	
48.80	Fence Cor. Fence bears SW. and SE. along line.
50.65	Fence Cor. Fence bears SW. Leave fence.
50.87	95 lks. to left of cor. H-2 of the list survey, which is a lava stone 12 x 6 x 7 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave List 3-3171 and enter List 3-3234.
55.80	Fence, bears NW. and SE.
56.78	To cor. No. 2. Deposit a lava stone 9 x 4 x 3 ins. marked with a +, 14 ins. in the ground, over which set a lava stone 24 x 22 x 6 ins., chiseled + for the point and 2 - H E S 505 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., whence: A yellow pine, 16 ins. dia., bears N. 71° 39' E., 184 lks. dist., scribed 2 H E S 505 + B T. A yellow pine, 14 ins. dia., bears N. 29° 33' E., 151 lks. dist., scribed 2 H E S 505 + B T.
	Thence S. 46° 23' W. Over level land in open.
1.00	Road, bears NW. and SE.
4.00	Right bank Beaver Creek, 2 ft. high.
5.40	Beaver Creek, running water 20 lks. wide, 6 ins. deep, course NW.
7.50	Left bank Beaver Creek, 2 ft. high. Ascend 15 ft. along gentle N. slope to cor.
23.70	Head of arroyo, 10 lks. wide, banks 2 ft. high, course NE.
34.50	Arroyo, 8 lks. wide, banks 2 ft. high, course N.
40.00	Enter timber, bears WNW. and SSE.
44.55	To cor. No. 3. Identical with cor. H-4 of List 3-3171 and cor. H-1

Chains

of List 3-3234, which is a lava stone 6 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. which refers to this claim. Deposit a lava stone 4 x 4 x 3 ins., marked with a + 14 ins. in the ground, over which set a lava stone 24 x 10 x 10 ins., chiseled + for the point and 3 - H E S 505 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., whence:

A yellow pine, 14 ins. dia., bears N. 87° 28' W., 29 lks. dist., scribed 3 H E S 505 + B T.

A yellow pine, 14 ins. dia., bears N. 6° 35' E., 64 lks. dist., scribed 3 H E S 505 + B T.

Thence N. 59° 24' W.

Leave List 3-3234 and enter List 3-3171. Descend 5 ft. in timber to creek.

2.45 Fence, bears N. 63° W. and S. 63° E.

9.10 Thomas Creek, running water 3 lks. wide, 4 ins. deep, course N. Ascend 10 ft. to knoll in open.

13.50 Top knoll, bears NNE. and SSW. Descend 10 ft. to creek.

16.30 Branch of Thomas Creek, 2 lks. wide, 2 ins. deep, course NE.

17.05 Fence, bears NNE. and SSW.

18.20 Fence, bears NW. and SE.

19.02 To cor. No. 4.

Identical with cor. H-5 of the list survey, which is a lava stone 8 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 5 x 5 x 2 ins. marked with a + 14 ins. in the ground, over which set a lava stone 24 x 9 x 9 ins.,

Chains

chiseled + for the point and 4- H E S 505 on NE. face; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A yellow pine, 26 ins. dia., bears N. 59° 49' W., 75 lks. dist., scribed 4 H E S 505 + B T.

A yellow pine, 16 ins. dia., bears N. 16° 07' W., 94 lks. dist., scribed 4 H E S 505 + B T.

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Thence N. 6° 17' E.

Ascend 5 ft. along gradual West slope in edge of timber. Fence, bears NW. and SE.

1.16  
19.84

To cor. No. 5. Identical with cor. H-6 of the list survey, which is

a lava stone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 5 x 3 x 3 ins. marked with a + 14 ins. in the ground, over which set a lava stone 24 x 12 x 6 ins. chiseled + for the point and 5 - H E S 505 on E. face; and raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence:

A yellow pine, 16 ins. dia., bears N. 33° 05' E., 20 lks. dist., scribed 5 H E S 505 + B T.

A yellow pine, 26 ins. dia., bears S. 45° 26' W., 42 lks. dist., scribed 5 H E S 505 + B T.

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Thence N. 39° 41' E.

Descend 10 ft. in open to arroyo.

3.80 Arroyo, 20 lks. wide, banks 1 ft. high, course BNE.

Ascend 10 ft. to low ridge in timber.

6.30 Top ridge, bears NW. and SE. Descend 15 ft. to bottom.

8.00 Foot of descent. Thence along edge of bottom.



Chains  
10.00

Leave bottom. Ascend 30 ft. along SE. slope in timber to bench.

18.00

Top of bench, bears E. and W. Thence over level land.

27.03

To cor. No. 6.

Identical with cor. H-7 of the list survey, which is a lava stone in place 5 x 4 x 1-1/2 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. I mark + on top and 6 - H E S 505 on same stone for cor. No. 6 of this survey; and raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence:

A yellow pine, 16 ins. dia., bears N. 18° 33' E.

108 lks. dist., scribed 6 H E S 505 + B T.

A yellow pine, 30 ins. dia., bears N. 31° 20' W.,

33 lks. dist., scribed 6 H E S 505 + B T.

Thence N. 54° 15' W.

Over level bench in timber.

5.00

Edge of bench. Descend 40 ft. to bottom along N. slope in timber.

12.50

Bottom of slope, thence along edge of bottom in open.

24.50

Leave bottom. Ascend 20 ft. in open to cor.

26.91

To cor. No. 7.

Identical with cor. H-1 of the list survey, which is a lava stone 12 x 10 x 6 ins. in mound of stone, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Point for cor. falls on a lava stone 4 x 4 x 4 ft. above ground. I mark + for point and 7 - H E S 505 on E. face; and raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence:

A yellow pine, 16 ins. dia., bears S. 21° 30' W.,

42 lks. dist., scribed 7 H E S 505 + B T.

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STATE OF ARIZONA.

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A yellow pine, 26 ins. dia., bears S. 89° 24' W.,  
43 lks. dist., scribed 7 H E S 505 + B T.

Thence N. 70° 45' E.

Descend 25 ft. in open to creek. Fence on line.

1.50 Foot slope. Enter bottom land.

8.80 West bank Beaver Creek, 4 ft. high.

9.90 Beaver Creek, running water 20 lks. wide, 6 ins. deep,  
course NW.

9.20 East bank Beaver Creek, 4 ft. high. Ascend 10 ft. to  
cor.

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

AREA

Area in List 3-3171 - - - - - 143.00 acres

Area in List 3-3234 - - - - - -16.58 acres

Total Area - - - - - 159.58 acres

IMPROVEMENTS

A log dwelling, 25 x 25 ft., the sides of which bear  
E. and W. and N. and S. and the NE. cor of which  
bears N. 47° 35' W., 7.50 chs. dist. from cor. No. 2.

Value - - - - - \$250.00

A double rail corral, 12.00 chs. WNW. of cor. No. 2.

Value - - - - - \$ 50.00

There are approximately 3 miles of wire fence, approx-  
imately one-half of which is off the claim.

Value - - - - - \$400.00

DESCRIPTION

This claim lies at the junction of Thomas and Beaver

Creeks, at an elevation of approximately 7800 ft.

The general slope is to the NW. Land consists of,

HOMESTEAD ENTRY SURVEY NO. 505

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STATE OF ARIZONA.

Chains

gradual N. slope, bottom land and steep rough slopes along W. and NE. boundaries.

The bottom land is a clayey loam of good depth and fertile. The gentle N. slope is a clayey loam of fair depth and steep slopes are rocky and non-agricultural. Timber consists of a stand of yellow pine along W., SW. and NE. slopes. The remainder of the claim is open grass land.

Beaver Creek furnishes sufficient water for irrigation and domestic use.

I saw no indications of mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. List 3-3234, listed upon application of Ernest Jackson, joins this survey on the SE. Alpine, Arizona, the nearest post office, is approximately 20 miles dist. by trail or 25 miles by trail and poor wagon road. Springerville, Arizona, the nearest commercial center is approximately 50 miles dist. H.E.S. 504 is about 1-1/4 miles NW.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 47° 28' E.	56.78		38.38	41.84	
2-3	S. 46° 28' W.	44.55		30.73		32.25
3-4	N. 59° 24' W.	19.02	9.68			16.37
4-5	N. 6° 17' E.	19.84	19.72		2.17	
5-6	N. 39° 41' E.	27.03	20.80		17.26	
6-7	N. 54° 15' W.	26.91	15.72			21.84
7-1	N. 70° 45' E.	9.72	3.20		9.18	
		203.85	69.12	69.11	70.45	70.46
			69.11			70.45
	Error in Lat. and Dep.		.01			.01

Closing error, 1:14457.

Survey completed September 12, 1916.

*R. L. Johnson*

Surveyor - Draftsman

Chains

The bottom land is a clayey loam of good depth and fertility. The gentle N. slope is a clayey loam of fair depth and steep slopes are rocky and non-agricultural. Timber consists of a stand of yellow pine along W. 3/4 SW. and N. slopes. The remainder of the claim is open grass land.

Beaver Creek furnishes sufficient water for irrigation and domestic use.

I saw no indications of mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. List 3-3234, listed upon section of nearest section, joins this survey on the N. Alpine, Arizona, the nearest post office, is approximately 1 1/2 miles east by trail or 15 miles by trail and four wagon roads. Springerville, Arizona, the nearest commercial center is approximately 30 miles east. H.B.S. 504 is about 1-1/4 miles N.

TRAVELER'S

Cor.	Course	Dist.	N	S	E	W
1-2	3.47° 58' E.	33.78		33.78		
2-3	3.43° 28' W.	44.55			44.55	
3-4	4.59° 24' W.	19.03			19.03	
4-5	6.17° E.	18.84	18.78			8.17
5-6	1.39° E.	27.03	26.80			17.88
6-7	1.54° W.	28.91	18.73			21.84
7-1	1.70° 48' E.	9.73	3.20			9.13
		208.83	62.13	69.11		70.46
			63.11			70.46
						9.01

Closing error, 1:14487

Survey completed September 12, 1916.

*[Handwritten Signature]*

Surveyor - Draftsman

HOMESTEAD ENTRY SURVEY NO. 505

APACHE NATIONAL FOREST

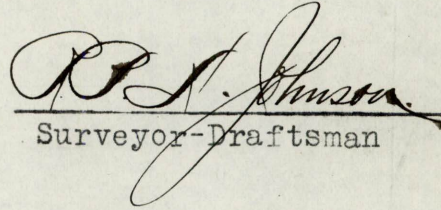
STATE OF

71.11

11.

Chains

The location of this claim as recorded in the list survey is in unsurveyed Secs. 28, 29, 32 and 33, T. 4 N., R. 30 E., which location was found to be erroneous by tie from cor. Secs. 19, 24, 25 and 30, T. 4 N., Rs. 28 and 29 E. to U. S. L. M. No. 504 H E S. Recorded in the notes of H50E. S. 504

  
Surveyor-Draftsman

Chains

Chains

The location of this chain as recorded in the  
 first survey is in unimproved sec. 23, T. 42 N., R. 10 E.,  
 S. 4 E., which location was  
 found to be erroneous by the team work  
 in 1904, and the correct location is in  
 sec. 24, T. 42 N., R. 10 E., S. 4 E.  
 Recorded in the notes of  
 Survey No. 1010

*[Faint signature]*  
 Surveyor-General

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STATE OF ARIZONA

Chains

Direct Solar at Cor. No. 1, September 11, 1916.

Lat. 33° 42' N., Long. 109° 15' 54" W., Elevation 7800 ft.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	3h. 42m. 14s.	72° 54' 00"	31° 16' 00"	+
Reversed	3h. 43m. 03s.	72° 27' 30"	31° 37' 00"	+
	3h. 42m. 38s. ✓	72° 40' 45" ✓	31° 26' 30" ✓	
			01' 10" ✓	
			31° 25' 20" ✓	

Decl., 4° 25' 03" N.

$$\text{Cos. Q.} = \frac{\sin. 4^\circ 25' 03''}{\cos. 33^\circ 42' \times \cos. 31^\circ 25' 20''} - \frac{\tan. 33^\circ 42' \times \tan. 31^\circ 25' 20''}{\cos. 31^\circ 25' 20''}$$

log. sin. 4° 25' 03"	=	8.886624 ✓	
log. cos. 33° 42' 00"	=	9.920099 ✓	
log. cos. 31° 25' 20"	=	9.931126 ✓	
		9.035399 ✓	= log. .10849 ✓
log. tan. 33° 42' 00"	=	9.824072 ✓	
log. tan. 31° 25' 20"	=	9.785995 ✓	
		9.610067 ✓	= log. .40744 ✓
		Cos. Q. =	.29895 ✓
		Q. =	72° 36' 19" ✓

Bearing of reference object, N. 0° 04' 26" W. ✓

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Direct Solar at Cor. No. 1, September 12, 1916.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos.
Direct	8h. 01m. 02s.	75° 47' 00"	27° 04' 30"	+
Reversed	8h. 01m. 51s.	76° 15' 00"	26° 42' 00"	+
	8h. 01m. 26s. ✓	76° 01' 00" ✓	26° 53' 15" ✓	
			01' 27" ✓	
			26° 51' 48" ✓	

Decl. 4° 09' 36" N. ✓

$$\text{Cos. Q.} = \frac{\sin. 4^\circ 09' 36''}{\cos. 33^\circ 42' \times \cos. 26^\circ 51' 48''} - \frac{\tan. 33^\circ 42' \times \tan. 26^\circ 51' 48''}{\cos. 26^\circ 51' 48''}$$

log. sin. 4° 09' 36"	=	8.860588 ✓	
log. cos. 33° 42' 00"	=	9.920099 ✓	
log. cos. 26° 51' 48"	=	9.950407 ✓	
		8.990082 ✓	= log. .09774
log. tan. 33° 42' 00"	=	9.824072 ✓	
log. tan. 26° 51' 48"	=	9.704601 ✓	
		9.528673 ✓	= log. .33781 ✓
		Cos. Q. =	.24007 ✓
		Q. =	76° 06' 34" ✓

Bearing of reference object, N. 0° 05' 34" W. ✓

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HOMESTEAD ENTRY SURVEY NO. 101

NATIONAL FOREST

STATE OF

Chains	Bearing of reference object, S. 0° 00' 34" W.
Telescope Direct 31' 25' 00" = 2.88207 Reversed 31' 25' 00" = 2.88207 <hr/> 31' 25' 00" = 2.88207 31' 25' 00" = 2.88207	Direct Solar at Cor. No. 1, September 12, 1918. Lat. 33° 43' 10" N., Long. 109° 15' 34" W., Elevation 7800 ft. Direct Solar at Cor. No. 1, September 12, 1918.
Telescope Direct 31' 25' 00" = 2.88207 Reversed 31' 25' 00" = 2.88207 <hr/> 31' 25' 00" = 2.88207 31' 25' 00" = 2.88207	Direct Solar at Cor. No. 1, September 12, 1918. Lat. 33° 43' 10" N., Long. 109° 15' 34" W., Elevation 7800 ft. Direct Solar at Cor. No. 1, September 12, 1918.
Telescope Direct 31' 25' 00" = 2.88207 Reversed 31' 25' 00" = 2.88207 <hr/> 31' 25' 00" = 2.88207 31' 25' 00" = 2.88207	Direct Solar at Cor. No. 1, September 12, 1918. Lat. 33° 43' 10" N., Long. 109° 15' 34" W., Elevation 7800 ft. Direct Solar at Cor. No. 1, September 12, 1918.
Telescope Direct 31' 25' 00" = 2.88207 Reversed 31' 25' 00" = 2.88207 <hr/> 31' 25' 00" = 2.88207 31' 25' 00" = 2.88207	Direct Solar at Cor. No. 1, September 12, 1918. Lat. 33° 43' 10" N., Long. 109° 15' 34" W., Elevation 7800 ft. Direct Solar at Cor. No. 1, September 12, 1918.



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. 505, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 47° 28' E.	56.78		38 38 <sup>9</sup>	41 84 <sup>✓</sup>	32 25 <sup>✓</sup>	60 21	2311 46 <sup>✓</sup>	
2-3	S. 46° 23' W.	44.55		30 73		16 37 <sup>✓</sup>	69 81	2145 26 <sup>✓</sup>	
3-4	N. 59° 24' W.	19.02	9 68 <sup>✓</sup>				21 19	205 12 <sup>✓</sup>	
4-5	N. 6° 17' E.	19.84	19 72 <sup>✓</sup>		2 17 <sup>✓</sup>		6 99	137 84 <sup>✓</sup>	
5-6	N. 39° 41' E.	27.03	20 80 <sup>✓</sup>		17 26 <sup>✓</sup>		26 42	549 54 <sup>✓</sup>	
6-7	N. 54° 15' W.	26.91	15 72 <sup>✓</sup>			21 84 <sup>✓</sup>	21 84	343 32 <sup>✓</sup>	
7-1	N. 70° 45' E.	9.72	3 20 <sup>✓</sup>		9 18 <sup>✓</sup>		9 18	29 38 <sup>✓</sup>	
		203.85 <sup>✓</sup>	69 12 <sup>✓</sup>	69 11 <sup>✓</sup>	70 45 <sup>✓</sup>	70 46 <sup>✓</sup>		1265 20 <sup>✓</sup>	4456 72 <sup>✓</sup>
			69 12	69 12	70 46	70 46		1265 20	
	Closing error 1:14457							3191 52 <sup>✓</sup>	159 58 <sup>✓</sup> Acres.

75

2711

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, November 9, 1918

The foregoing field notes of Homestead Entry Survey No.

505

executed by R. P. A. Johnson, Surveyor-Draftsman  
[Forest Service Title.]  
under his special instructions, dated Sept. 5, 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 \_\_\_\_\_, has been  
correctly copied from the original notes on file in this office.

FRANK P. TROTT

U. S. Surveyor General.