

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JAN 22 1915

AUG 2 - 1915

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 156

SITUATED IN THE

..... TONTO ..... NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

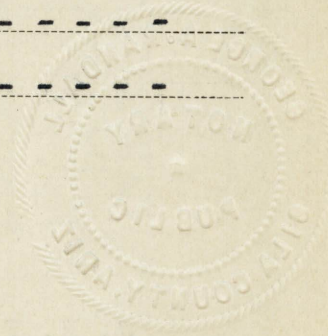
Section 29, unsurveyed, Township 11 N., Range 11 E.

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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 February 14, 1914

Survey completed February 17, 1914

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

Applicant for listing J. W. Ezell

Residence Payson, Arizona

Application No. 2, dated August 14, 1906

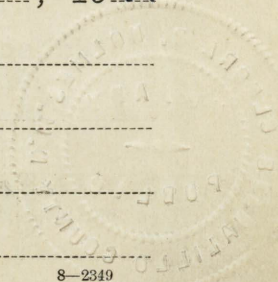
List No. 127, dated May 24, 1907

Applicant for survey J. W. Ezell

Residence Payson, Arizona

H. E. No. 04374, dated May 25, 1908

Land district Phoenix, Arizona.



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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. 156, in  
unsurveyed Section 29, Township 11 N., Range 11 E.,  
unsurveyed Section, Township , Range ,  
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 Slovacek, Chairman  
C. E. Baecht, Chairman

Subscribed and sworn to before me this 25th day of  
March, 1914.

George A. Randall  
Notary Public

Commission Expires  
Feb 26<sup>th</sup> 1916

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. 127, dated May 24, 1907, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 156,  
situated within the TONTO National Forest, in  
unsurveyed Section 29, Township 11 N., Range 11 E., and  
unsurveyed Section, Township , Range ,  
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.

Clara B. Holmes  
Notary Public  
Bernalillo County, N.M.



My Commission expires  
Oct. 16th, 1915.

TONTONATIONAL FOREST

ARIZONA

Chains

Chains

Applicant for listing, J. W. Ezell; Application No. 2, dated August 14, 1906; List No. 1127, dated May 24, 1907; H. E. No. 04374 made at Phoenix, Arizona by J. W. Ezell, dated May 25, 1908.

Surveyed under special instructions from the Surveyor General for Arizona dated November 29, 1913, and designated as Homestead Entry Survey No. 156.

Listed under the Act of June 11, 1906 and survey authorized by the Acts of June 11, 1906 and March 4, 1913.

Sheet U. S. G. S.

Located in unsurveyed but what will probably be, when surveyed, sec. 29, T 11 N., R. 11 E., of the Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced February 14, 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 link steel tape directly on the slope and the slope angles determined with a clinometer.

February 14, 1914

February 14, 1914, at 9h. 47.3m. p.m., 1. m. t., observe Polaris at western elongation at No. 1 band mark line of sight on ground. Next morning set off 1° 23 1/2' to E. of observed line for true meridian.

February 15, 1914, at 8h. 45 m. a.m., 1. m. t., observed sun for azimuth at cor. No. 1. The reading on meridian as established from Polaris observation is set at Zero and the sun is observed in the lower left quadrant of field with telescope direct and in the upper right quadrant with telescope reversed.

Sheet U. S. G. S.

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TONTON NATIONAL FOREST

ARIZONA

Chains

Angle right to sun, Obs. alt. sun  
 123° 21' 00" ; Alt. 21° 04'  
 123° 05' ; Alt. 20° 51'  
 Lat. 34° 17½' N. Decl. 12° 48' 10" S.  
 Resulting course is N. 0° 10' 30" E.  
 Therefore stake average of two obsns. for true meridian  
 from which all the courses of this survey were deflect-  
 ed. Listed under the Act of June 11, 1900 and survey  
 Long. 111° 15' 20" W. obtained from Verde Reconnaissance.  
 Sheet, U. S. G. S.

February 16, 1914, 8 p.m., II T, 93 sec. 5  
 Beginning at cor. No. 11 of this survey, which is marked  
 and witnessed as hereinafter described, thence over  
 mountainous ground N. 84° 06' W. 13.76 chs.; thence S.  
 89° 57' W. 22.44 chs.; thence S. 88° 17' W. 38.64 chs.;  
 thence S. 88° 33' W. 8.93 chs. to 1/4 sec. cor. bet.  
 secs. 25 and 30, T. 10 N., R. 10 E., which is  
 a granite stone 6 x 12 x 8 ins. above ground, marked  
 and witnessed as described by the Surveyor General.  
 Therefore true line bears West 83.68 chs.

February 15, 1914.

Beginning at cor. No. 11. February 14, 1914, at 9 p.m.  
 Identical with cor. No. 6 of list, which is a stake in  
 mound of stone, no marks or witnesses. Destroy same  
 and set in sandstone 24 x 6 1/2 x 5 1/2 ins. in ground,  
 over marked stone, chiseled 1-H E S 156 on E. face; raise  
 mound of stone 2 ft. base, 1-1/2 ft. high, E. of cor.,  
 whence observed from points as said  
 An oak 10 ins. dia., scribed 1-H E S 156 B T  
 bears N. 34° 20' E. 102 lks.  
 A walnut 10 ins. dia., scribed 1-H E S 156 B T  
 bears S. 72° 55' E. 102 lks.

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TONTONIA NATIONAL FOREST

ARIZONA

Chains

1/4 sec. cor. bet. secs. 25 and 30, T11 N., Rs.

10 and 11, E., heretofore described bears

W. 83.68 chs. 10° 4' 2"

Mag. Va. at 9 a.m., 15° 12' E. Mean Mag. Va. 15° 10' E.

W. 83.68 chs. 10° 4' 2"

Thence N. 43° 0' E.

Over slightly rolling ground thru scattered timber and

brush

18.50 Spring bears S. 47° 0' E., 3.25 chs.

19.70 An arrastre bears S. 47° 10' E. 2.00 chs.

24.50 Arroyo, 10 lks. wide, 3 ft. deep, course SE.

25.19 To cor. No. 2.

Identical with position for cor. No. 7 of list, no

evidence of which is found. A sandstone 24 x 11 x 7.6

ins. set 14 ins. in ground, over marked stone, chiseled

2-HES156 on SE. face; raise mound of stone 2 ft. base,

1-1/2 ft. high SE. of cor., whence

A willow 20 ins. dia., scribed 2 HES 156 B T

bears S. 11° 57' E. 79.5 lks.

A cherry, 10 ins. dia., scribed 2 HES 156 B T

bears N. 67° 15' E. 110 lks.

At 12 h. 14 m. 20 s. p.m., 1 m.t., observe sun on meridian

Obs. alt. sun's upper limb 43° 14', resulting lat. is

34° 17' 40" N. H. 4' chiseled over marked stone,

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

Thence N. 18° 0' E.

Asc. SE. slope 25 ft. to cor. thru brush and scattered timber.

6.69 To cor. No. 3.

Identical with cor. No. 8 of list, which is a small

mound of stone, no marks or witnesses. Destroy same

and set a granite stone 24 x 12 x 10 ins. 14 ins. in

ground, over marked stone, chiseled 3-HES156 on ESE.

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

TONTON NATIONAL FOREST

ARIZONA

Chains

1/4 sec. cor. def. sec. 14

A cedar 12 ins. dia., scribed 3 H E S 156 B T

bears S. 4° 0' E. 178 lks. W

A juniper 16 ins. dia., scribed 3. H V E. S. 156 B T

bears N. 38° 25' E. 162 lks.

Thence N. 43° 0' E.

Thence N. 23° 31' E. Over slightly rolling ground.

Desc. E. slope 15 ft. to arroyo thru brush and scattered timber.

4.90 Arroyo, 15 lks. wide, 20 ft. deep, course SE

Asc. SE slope 25 ft. to top, ascent 10 ft.

7.00 Top ascent bears NW. and SE. Desc. NE. slope 25 ft. to

bottom draw. Identical with position

9.10 Bottom draw, course SE. Asc. S. slope 50 ft. to top

ascent. Identical with position

11.30 Top ascent, bears NW. and SE. Desc. NE. slope 30 ft.

to foot descent in draw. 1-1/2 ft. high

14.10 Foot descent in draw, course SE. Asc. SE. slope 50 ft.

to cor. bears S. 11° 57' E. 178 lks. W

16.62 To cor. No. 4. A cherry

Identical with cor. No. 89 of list, which is a stake in mound of stone, no marks or witnesses. Destroy same

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

over marked stone, chiseled 4-HES 156 on SSE face; raise

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

whence Thence N. 18° 0' E.

A cedar, 10 ins. dia., scribed 4 H E S 156 B T

bears N. 88° 50' W. 37 lks. W

A cedar 12 ins. dia., scribed 4 H E S 156 B T

bears S. 15° 30' E. 81.5 lks. W

Ruins of cabin bears S. 15° 30' E. 16.30 chs., un-

known claimant. and set a granite stone

ground over marked stone

Thence S. 89° 17' E. face; raise mound of stone 2-1/2 ft. high

TONTON NATIONAL FOREST

ARIZONA

Chains	Chains
	Desc. SE. slope 75 ft. to wash, thru brush and timber.
7.70	Wash 50 lks. wide, banks 3 ft. high, course SW.
8.76	W.C. cor. No. 5.
	A willow 14 ins. dia., scribed + WC-5-HES156 on WSW. face; raise mound of stone 2 ft. base, 1-1/2 ft. high, WSW. of cor., whence
	A willow 18 ins. dia., scribed W C 5 H E S 156 B T bears S. 32° 25' W. 33 lks.
	A willow 16 ins. dia., scribed W C 5 H E S 156 B T bears S. 57° 45' E. 55 lks.
9.00	Wash 50 lks. wide, banks 3 ft. high, course SW.
9.49	To true point for cor. No. 5 which falls in wash, therefore set a W C on each of intersecting lines. Identical with position for cor. No. 1 of list, and 1/4 sec. cor. bet. secs. 20 and 29, rejected T. 11 N., R. 11 E. No corner stone is found but bearings are in evidence, which are destroyed.
February 16, 1914, a.m.,	
Thence from true point for Cor. S. 20° 13' W.	
Over level ground thru scattered timber and brush	
0.10	Leave wash, bears NE. and SW.
2.02	W C for Cor. No. 5.
	A sandstone 24 x 6 x 6 ins. set 14 ins. in ground, over marked stone, chiseled WC-5-HES156 on WSW. face; raise mound of stone 2 ft. base, 1-1/2 ft. high WSW. of cor., whence
	An oak 6 ins. dia., scribed W C 5 H E S 156 B T bears N. 29° 53' W. 17 lks.
	An oak 10 ins. dia., scribed W C 5 H E S 156 B T bears N. 25° 25' E. 61 lks.
6.00	Asc. NW. slope 50 ft. to top ascent.
8.00	Top ascent bears NW. and SE. Desc. SW. slope 40 ft. to bottom draw.

TONTON NATIONAL FOREST

ARIZONA

Chains

13.90 Bottom draw, course W. Asc. NW. slope 30 ft. to top  
ascent.

16.90 Brush fence, thence along same.

18.90 Leave brush fence, bears SW.

20.00 Top ascent bears NW. and SE. Desc. SW. slope 30 ft. to  
bottom draw.

23.40 Bottom draw and road bears NE. and SW. Asc. N. slope  
40 ft. to cor.

29.81 To cor. No. 6.

Identical with cor. No. 2 of list, which is a small  
mound of stone, no mark or witnesses. Destroy same  
and set a sandstone 24 x 8 x 6 ins. 14 ins. in ground,  
over marked stone, chiseled 6-HES156 on WNW. face;  
raise mound of stone 2 ft. base, 1-1/2 ft. high WNW.  
of cor. whence,

A juniper 12 ins. dia., scribed 6 H E S 156 B T  
bears S. 27° 45' E. 78 lks.

A juniper 12 ins. dia., scribed 6 H E S 156 B T  
bears N. 75° 0' W. 84 lks.

Thence S. 34° 55' W.

Desc. W. slope 50 ft. to bottom draw; thru scattered  
timber and brush.

4.50 Bottom draw, course NW. Asc. N. slope. 50 ft. to top  
ascent.

6.45 Top ascent bears NW. and SE. Desc. SW. slope 50 ft. to  
bottom draw.

8.90 Bottom draw, course W. Asc. N. slope 15 ft. to cor.

9.94 To cor. No. 7.

Identical with cor. No. 3 of list, which is a stake,  
no marks or witnesses. Destroy same and set a sand-  
stone 24 x 8 x 6 ins. 14 ins. in ground, over marked  
stone, chiseled 7-HES156 on NW. face; raise mound of  
stone 2 ft. base, 1-1/2 ft. high NW. of cor., whence



TONTON NATIONAL FOREST

ARIZONA

Chains

An oak 8 ins. dia., scribed 7 H E S 156 B T

bears N. 10° 50' W. 32 lks.

An oak 8 ins. dia., scribed 7 H E S 156 B T

bears S. 58° 30' W. 53 lks.

Thence S. 66° 19' W.

Asc. N. slope 75 ft. to top, ascent thru scattered timber and brush.

1.75 Wire fence bears N. 23° E. and S. 23° W.

3.45 Wire fence bears S. 85° W. and N. 85° E.

7.40 Top ascent bears NW. and SE. Desc. NW. slope 15 ft. to cor.

7.92 To cor. No. 8.

Identical with cor. No. 4 of list, which is a small mound of stone, no marks or witnesses. Destroy same and set a sandstone 24 x 8 x 8 ins. 14 ins. in ground, over marked stone, chiseled 8-HES156 on NW. face; raise mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., whence

An oak 6 ins. dia., scribed 8 H E S 156 B T

bears N. 5° 30' W. 32 lks.

An oak 6 ins. dia., scribed 8 H E S 156 B T

bears N 68° 0' W. 22 lks.

Spring bears N. 20° W. 4.00 chs.

Thence S. 43° 29' W.

Desc. SW. slope 50 ft. to bottom draw, thru scattered timber and brush.

5.00 Bottom draw, course W. Asc. NW. slope 40 ft. to cor.

11.96 To cor. No. 9.

Identical with cor. No. 5 of list, which is a small mound of stone, no marks or witnesses. Destroy same and set a sandstone 24 x 8 x 6 ins. 14 ins. in ground, over marked stone, chiseled 9-HES156 on N. face; raise mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor.,

88 90

TONTON NATIONAL FOREST

ARIZONA

Chains

whence  
 A cedar 8 ins. dia., scribed 9 H E S 156 B T  
 bears N. 64° 30' E. 65 lks.  
 A cedar 12 ins. dia., scribed 9 H E S 156 B T  
 bears N. 19° 40' E. 89 lks.

Thence N. 26° 20' W. 50 ft. to top of slope NW. Asc. NW. slope 50 ft. to arroyo, thru scattered timber and brush.  
 3.00 Arroyo, 12 lks. wide, 4 ft. deep, course SW. over level open ground.  
 5.85 Arroyo, 1.40 chs. wide, 15 ft. deep, course SW. Asc. SE. slope 10 ft. to cor.  
 7.15 Irrigation ditch, 4 ft. wide, 2 ft. deep, course SW.  
 7.60 Road, bears NE. and SW.  
 8.94 To cor. No. 1, the place of beginning.  
 Cloudy at noon, no lat. obsn. possible.

Total Area H. E. S. NO. 156 . . . 51.59 acres

Improvements

The improvements made upon or for the benefit of this claim by the claimant or his grantors consist of:

A log house, the NW. cor. of which bears from cor. No. 2 S. 13° 50' E. 3.10 chs., 18 x 22 ft. long side bears N. 30° E. and S. 30° W. Value \$50.00

A log cabin, the NW. cor. of which bears from cor. No. 2 S. 24° 0' E. 2.70 chs. 10 x 10 ft. side bears N 30° E. and S. 30° W. Value \$10.00

About 1/2 mile wire fence and 1/4 brush fence.

An earthen tank, the center of which bears from cor. No. 4, S. 2° 0' E. 12.00 chs. 40 x 60 ft. long side bears

TONTONATIONAL FOREST

ARIZONA

Chains	NE.	Value . . . . .	\$00.00
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W	About 10 chs. of irrigation ditch.	Value . . . . .	\$50.00
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Total estimated value of improvements . . . . .	Value . . . . .	\$260.00
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Claimant has approximately 24.5 acres under cultivation.

Also about 10 chs. of irrigation ditch on this claim

belonging to Mr. Olgalvie.

Description

This claim is situated in Star Valley and for the most part is practically level bottom land although some of the land near the boundaries is rough.

This claim is covered with small timber and brush but there is no merchantable timber.

Water for domestic purposes is furnished by the arroyo which traverses the claim, or the springs in same.

Water for irrigation is obtained from same arroyo and conserved in an earthen tank.

The land is chiefly used for agricultural purposes and is well adapted to such.

No mineralization was observed or known on claim. The arrastre on the claim was used for milling ore from the Diamond mountain several miles distant so claimant states.

No adjoining claims.

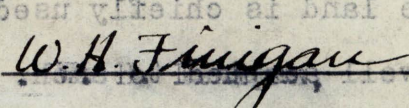
H. E. S. No. 53 is about 1 mile south.

Payson, the nearest settlement and postoffice is about 10 miles westerly and is reached by a good wagon road.

Survey completed February 17, by setting corners.

TONTON NATIONAL FOREST

ARIZONA

Chains	TRAVERSE						chains
No.	Course	Dist.	N	S	E	W	
1-2	N. 43° 0' E.	25.19	18.42			17.18	
2-3	N. 18° 0' E.	6.69	6.36			2.07	
3-4	N. 23° 31' E.	16.62	15.24			6.63	
4-5	S. 89° 17' E.	9.49		0.12		9.49	
5-6	S. 20° 13' W.	29.81		27.97			10.30
6-7	S. 34° 55' W.	9.94			8.15		5.69
7-8	S. 66° 19' W.	7.92			3.18		7.25
8-9	S. 43° 29' W.	11.96		8.68			8.23
9-1	N. 26° 20' W.	8.94	8.01				3.97
		126.56	48.03	48.10	35.37		35.44
			48.03				35.37
Error in Lat. and Dep. .07							.07
Error of closure 1:1277							
Any discrepancy between these field notes and those of the listing survey is due to error in the latter.							
 <u>W.A. Finigan</u> Forest Service Surveyor.							

HOMESTEAD ENTRY SURVEY NO. 156

TONTON NATIONAL FOREST

ARIZONA

Chains Direct obs. Feb. 15, 1914, at 8h. 45m. a.m., l.m.t. at Cor. No. 1.

Lat. 34° 17½' N. Decl. App. Noon Greenwich S. 12° 51' 46.00"

Dif. for 4h. 15m. W. 3' 37.73  
Decl. at 8h. 45m. a.m. l.m.t. S. 12° 48' 08.27"

Angle rt. to sun      Obs. alt. sun      Pos. sun      Telescope

123° 21'      21° 04'      °+      Direct

123° 05'  
2) 246° 26'  
123° 13'      2) 20° 51'  
41° 55'      t.      Reversed

Refrac. 20° 57' 30"  
2' 05"      2° 29' corrected for  
20° 55' 25"      elevation of 5,200 ft.

Sin. 12° 48' 10" = 9.3455615

Cos. 34° 17' 30" = 9.9170748  
9.4284867

Cos. 20° 55' 30" = 9.9703695  
9.4581172 = .28716

Tan. 34° 17' 30" = 9.8337466

Tan. 20° 55' 30" = 9.5824758  
9.4162224 = .26075  
.54791 = 56° 46½'

Course Cor. No. 1 to sun = S. 56° 46½' E.

Angle left      123° 13'

Course Cor. No. 1 to ref.pt. N. 0° 0' 30" E.

HOMESTEAD ENTRY SURVEY NO. 123456789

FOREST NATIONAL FOREST

ARIZONA

Chains Direct obs. Feb. 15, 1914, at 8h. 45m. a.m., l.m. 1.00  
Cor. No. 1.

Lat. 34° 17' N. Decl. Apr. Noon Greenwich 2.12° 51' 46.00"

Diff. for 4h. 15m. W. Decl. at 8h. 45m. a.m. l.m. 1.00  
2.13° 37.73

Angle rt. to Obs. alt. sun Pos. sun Telescope

138° 51' 21° 04' Direct +

138° 05' 80° 51' Reversed +  
133° 13' 2) 41° 55' 20° 51' 30"

Retrace. 20° 55' 25" 21° 05' 20° 59' corrected for  
elevation of 2,800 ft.

Sim. 12° 48' 10" = 2.2455815

Cor. 34° 17' 30" = 2.9170748

Cor. 20° 55' 30" = 2.9703625

2.4524887  
2.4524887  
2.4524887 = 2.8715

Tem. 34° 17' 30" = 2.8837488

Tem. 20° 55' 30" = 2.8837488

2.4132224 = 2.8075  
2.4132224 = 2.8075

Course Cor. No. 1 to sun = 2. 56° 45' E.

Angle left 133° 13'

Course Cor. No. 1 to ref. pt. N. 0° 0' 30" E.

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.

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 156., STATE OF ARIZONA. J. W. Ezell.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 43° 0' E.	25.19	18 42 <sup>3</sup>		17 18 <sup>9</sup>		17 19	316 81	
2-3	N. 18° 0' E.	6.69	6 36 <sup>5</sup>		2 07 <sup>4</sup>		36 45	231 82	
3-4	N. 23° 31' E.	16.62	15 24		6 63		45 16	688 69	
4-5	S. 89° 17' E.	9.49		0 12 <sup>5</sup>	9 49		61 29		6 74
5-6	S. 20° 13' W.	29.81		27 97 <sup>4</sup>		10 30 <sup>28</sup>	60 50		1090 98
6-7	S. 34° 55' W.	9.94		8 15		5 69 <sup>8</sup>	44 54		362 56
7-8	S. 66° 19' W.	7.92		3 18		7 25	31 61		100 52
8-9	S. 43° 29' W.	11.96		8 68 <sup>7</sup>		8 23	16 15		140 02
9-1	N. 26° 20' W.	8.94	8 01			3 97	3 97	31 80	
		126 56	48 03	48 10	35 37	35 44		1269 12	2300 82
			48 05	48 05	35-39	35-39		1269 12	2)1031 70
1-pt	N. 84° 06' W.	13.76							515 85
pt-pt	S. 89° 57' W.	22.44							
pt-pt	S. 88° 17' W.	38.64		0 02					
pt-1/4	S. 88° 33' W.	8.93		1 16					
1/4-1	East calc.	83.68		0 23					
			1 41	83 68					
			1 41	1 41	83 68	83 68			

117  
117

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Tie to Cor. No. 1 to 1/4 Cor. Secs. 25 and 30.

= 51.59 Acres

= 21.22 V.C.1.22

COBZERS	BEARING	DISPLACEMENT	LATITUDE			LONGITUDE			DOUBLE W. D.	N. VEYS	S. VEYS
			Zone	Lat	Long	Lat	Long	Lat			
I-4-I	E 87° 00' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 88° 32' N	83.8	O 33	O 33	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 88° 17' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 88° 21' N	83.83	O 30	O 30	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 87° 00' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 50' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 23' N	83.83	O 30	O 30	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 00' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 24' N	83.83	O 30	O 30	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 50' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 23' N	83.83	O 30	O 30	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 00' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 24' N	83.83	O 30	O 30	82 88	82 88	82 88	82 88	82 88	82 88	
I-4-I	E 89° 50' N	83.83	I 41	I 41	82 88	82 88	82 88	82 88	82 88	82 88	

TABBING AND CALCULATIONS OF HOMESTEAD EMBLY SURVEY IN 1921. STATE OF ALABAMA. I. W. ENGEL.

For a full and complete description of the survey and the calculations, see the accompanying plat and the Commission's report. The survey was conducted by the Alabama Surveyors' Association in 1921. The plat is attached hereto for the purpose of showing the location of the survey and the calculations. The calculations are based on the following assumptions: 1. The survey is a closed traverse. 2. The bearings are true bearings. 3. The distances are in feet. 4. The earth is spherical. 5. The survey is on the surface of the earth.

The following table shows the bearings and displacements for each line of the survey. The bearings are given in degrees, minutes and seconds, and the displacements are given in feet. The bearings are measured clockwise from the north. The displacements are measured perpendicular to the bearings. The bearings and displacements are given in the following table:



APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 9, 1915.

The foregoing field notes of Homestead Entry Survey No.

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156,  
.....

J. W. Ezell  
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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.

*Frank S. Ingalls*  
.....  
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.