

*Office copy*

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U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

AUG 3-1914

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 129

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 2, unsurveyed, Township 1 S, Range 15 E.

Section 11, unsurveyed, Township 1 S, Range 15 E.

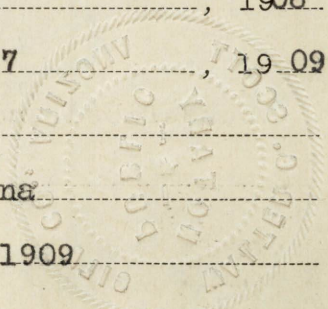
of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Forest Service Surveyor  
Under special instructions dated November 13, 1913  
Survey commenced December 13, 1913  
Survey completed December 13, 1913  
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Rebecca Howard  
Residence Globe, Arizona  
Application No. 12, dated March 19, 1908  
List No. 3-165, dated April 27, 1909  
Applicant for survey Rebecca Howard  
Residence Globe, Arizona  
H. E. No. 06355, dated June 28, 1909  
Land district Phoenix, Arizona



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OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,  
Forest Service Surveyor in surveying all those  
parts or portions of Homestead Entry Survey No. 129, in  
unsurveyed Section 2, Township 1 S., Range 15 E.,  
unsurveyed Section 11, Township 1 S., Range 15 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 inconvenient and ex-  
pensive to appear before  
an officer to administer  
the oaths to assistants;  
hence they were taken by  
the Surveyor.

Benjamin F. Harbour, Chainman  
John B. Wight, Chainman

Subscribed and sworn to before me this 30<sup>th</sup> day of  
December, 1913.

Walter G. Turley  
Forest Service Surveyor

OATH OF SURVEYOR

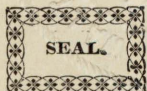
I, Walter G. Turley, Forest Service Surveyor, do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
November 13, 1913, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, sur-  
veyed a tract of land ~~upon the application of~~ embraced in  
List, No. 3-165 dated April 27, 1909, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 129,  
situated within the CROOK National Forest, in  
unsurveyed Section 2, Township 1 S, Range 15 E., and  
unsurveyed Section 11, Township 1 S Range 15 E.,

of the G. & S. R. B. & meridian, Arizona, and the  
related retracements and resurveys and section subdivisions,  
which are represented in the following field notes as having  
been surveyed by me; and I further solemnly swear that all  
the corners of said survey have been established and perpet-  
uated in strict accordance with the stated special instruc-  
tions, and in the specific manner described in the field  
notes, and that the following are the original field notes  
of such survey.

Walter G. Turley  
Forest Service Surveyor

Subscribed and sworn to before me this 19<sup>th</sup> day of  
January, 1914.

Walter L. Scott  
Notary Public



My commission expires July 11, 1917

## CROOK NATIONAL FOREST

## ARIZONA

Chains Applicant for listing, Rebecca Howard; Application No. 12, dated March 19, 1908; List No. 3-165, dated April 27, 1909; H. E. No. 06355, dated June 28, 1909, made by Mrs. Rebecca Howard at Phoenix, Arizona.

Surveyed under special instructions from the Surveyor General for Arizona, dated November 13, 1913, and designated as Homestead Entry Survey No. 129.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. and Meridian, in what will probably be, when surveyed, Secs. 2 and 11, within the Crook National Forest, Arizona.

Listed under the Act of June 11, 1906, and survey authorized by the Acts of <sup>June 11, 1906,</sup> ~~August 10, 1912~~ and March 4, 1913.

Survey commenced December 13, 1913, and executed with a W. and L. E. Gurley light mountain transit No. 12953, with vertical circle and Burt solar attachment. The horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment and stadia interval. The stadia is adjusted to read 1:132; and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths, with target verniers reading to thousandths.

December 13, 1913:

At 8 h. 00 m. a.m., l.m.t., I set off  $23^{\circ} 06'$  S. on the decl. arc and  $33^{\circ} 22'$  on the lat. arc and determine a

T2 CROOK NATIONAL FOREST

ARIZONA

Chains  
 meridian with the solar at the north station which defines the meridian as established by me by Polaris observations on December 4 and 5, 1913; and is marked by tacks in stakes set firmly in the ground 8.00 chs. apart, near Cor. H-1 of this List survey. I sight south and my line of sight falls upon the tack in the stake 8.00 chs. south of my station. Therefore I conclude that my transit is in satisfactory adjustment.

Preliminary to the survey of this claim I proceed to Cor. H-1 of the List survey and retrace its boundaries in a clockwise direction and calculate its area to be less than 160 acres.

December 13, 1913:  
 At 8 h. 05 m. a.m., l.m.t., I set off  $23^{\circ} 06'$  S. on the decl. arc and  $33^{\circ} 23'$  on the lat. arc and determine a meridian with the solar at the S. C. of Secs. 36 and 34, T. 1 N., Rs. 15 and 15-1/2 E., G. & S. R. B. & M., which is a granite stone 10 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S.  $12^{\circ} 58'$  W. on a true line.

24.16 To cor. No. 1.

Identical with cor. H-8 of the List survey, which is a brown quartzite stone 15 x 5 x 12 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor. At this point I previously set cor. No. 3 of H. E. S. No. 98, which is a quartzite stone 6 x 14 x 10 ins. above ground, marked with a cross (+) for exact point, and 3-HES98 on the NW. face, with mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. I mark 1-HES129 on SW. face of same

CROOK NATIONAL FOREST

ARIZONA

Chains	<p>stone for cor. No. 1 of this survey, whence</p> <p>+ B R 3 H E S 98 L H E S 129 on an imbedded quartz-</p> <p>ite boulder 30 x 20 x 10 ins. above ground, bears</p> <p>S. 89° 22' E. 128 lks. dist.</p> <p>Pits impracticable. No other bearings available.</p>
	<p>I observe the magnetic declination at Cor. No. 1 to be</p> <p>14° 35' E. at 8 h. 05 m., a.m., l.m.t., which reduced</p> <p>by Table G, Manual of 1894, Diurnal Variations in Mag-</p> <p>netic Declination, gives a mean magnetic declination of</p> <p>14° 34' E.</p> <p>Long. 110° 44' 33" W., as obtained from the Special Instruc-</p> <p>tions from the Surveyor General</p>
	<p>Thence S. 20° 40' W. on a true line.</p> <p>Ascend along N. slope 10 ft. to ridge.</p> <p>2.30 Fence, bears NE. and SW., also spur bears NE. and SW.</p> <p>Descend 5 ft. to ravine.</p> <p>10.00 Ravine, course NE. Ascend 150 ft. to spur.</p> <p>39.47 Fence, bears E. and W.</p> <p>40.00 Point of ridge bears N. and E. Descend 100 ft. to ravine</p> <p>44.80 Ravine, course N.W. Ascend 100 ft. to ridge.</p> <p>54.00 Ridge bears E. and W. Descend 100 ft. to ravine.</p> <p>62.00 Ravine, course W. Ascend 120 ft. to ridge.</p> <p>70.60 Ridge bears E. and W. Descend 5 ft. to cor.</p> <p>71.29 Fence, bears E. and W.</p> <p>71.50 To cor. No. 2.</p> <p>Identical with cor. H-7 of the List survey, which is an</p> <p>imbedded quartzite boulder 42 x 42 x 24 ins. above</p> <p>ground, marked and witnessed as described by the Forest</p> <p>Service. I destroy all trace of this list cor. and</p> <p>mark a cross (+) at the apex and 2-HES129 on the NW.</p> <p>face of the same boulder for cor. No. 2 of this survey;</p> <p>and raise a mound of stone 2 ft. base, 1-1/2 ft. high</p> <p>NW. of cor., from which,</p> <p>A catsclaw 5 ins. dia. bears S. 52° 30' E.</p>

Chains	<p>153 lks. dist. marked 2 H E S 129 B T          A cross (+) on an imbedded quartzite boulder          24 x 24 x 12 ins. above ground bears N. 1° 00' E.          24 lks. dist. marked 2 H E S 129 B R</p>
	<p>Thence N. 61° 10' W. on a true line.</p>
6.86	<p>Descend W. slope 120 ft. to cor.          To cor. No. 3.          Identical with cor. H-6 of the List survey, which is a          brown quartzite stone 8 x 9 x 8 ins. above ground, mark-          ed and witnessed as described by the Forest Service.          I destroy all trace of this list cor. and at this point</p>
	<p>I set a quartzite stone 26 x 9 x 9 ins. 16 ins. in the          ground over a small stone marked with a cross for cor.          No. 3 of this survey, marked 3-HES129 on the NE. face;          and raise a mound of stone 2 ft. base, 1-1/2 ft. high          NE. of cor. from which,          A mesquite 4 ins. dia. bears N. 6° 00' W.          13 lks. dist. marked 3 H E S 129 B T          An imbedded quartzite stone 60 x 26 x 24 ins.          above ground, marked + and 3 H E S 129 B R          bears S. 64° 00' E. 51 lks. dist.          Cor. H-1 of H. E. 014832, Robert E. Lee, Unsur-          veyed H. E. S. No. 107, bears N. 12° 40' W.          9.75 chs.</p>
13.97 15.07 18.00 22.50 22.67	<p>Thence N. 3° 06' W. on a true line.          Descend NW. slope in open 120 ft. to cor.          Forest Service telephone line, bears N. and S.          Arroyo, 20 lks. wide, banks 1 ft. high, course NW.          Enter road, bears N. and S.          Leave road, bears N. and S.          To cor. No. 4.          Identical with cor. H-5 of the List survey, which is          a gray granite stone 12 x 6 x 9 ins. above ground,</p>

CROOK NATIONAL FOREST

ARIZONA

Chains marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a quartzite boulder 30 x 12 x 9 ins. 20 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 4 of this survey, marked 4-HES129 on the E. side; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor. from which,

A hackberry 7 ins. dia. bears S. 37° E. 38 lks. dist. marked 4 H E S 129 B T

A hackberry 6 ins. dia. bears S. 46° E. 56 lks. dist. marked 4 H E S 129 B T.

Cor. No. 1 of H. E. S. 104 bears N. 19° 25' E. 9.16 chs. dist.

Cor. No. 2 of H. E. S. 104 bears S. 19° 25' E. 13.14 chs. dist.

Note: It was impracticable to place the mound of stone to the E. on account of the road.

December 13, 1913:

At 11 h. 53 m. a.m., l.m.t., I set off 23° 08-1/2' S. on the decl. arc and observe the sun on the meridian at apparent noon at cor. No. 4 of this survey, and obtain a reading of 33° 22' on the lat. arc.

Thence N. 19° 25' E.

Along line 1-2 of H. E. S. 104, Thomas Halsall, over bottom.

0.50 Enter road, bears N. and S.

1.00 Leave road, bears N. and S.

9.16 To cor. No. 5.

Identical with cor. H-4 of the List survey, which is a gray gneiss stone 7 x 5 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. At this point I previously set cor. No. 4 of H. E. S. No. 103 and cor.

TSEE CROOK NATIONAL FOREST

ARIZONA

Chains No. 1 of H. E. S. No. 104, which is a quartzite boulder  
 9 x 9 x 10 ins. above ground, with a cross (+) for  
 exact point, marked 4-HES103 on the NW. face and 1-HES-  
 104 on the SW. face, with mound of stone 2 ft. base,  
 1-1/2 ft. high NW. of cor. I mark same boulder  
 5-HES129 on E. face for cor. No. 5 of this survey, whence

A hackberry 4 ins. dia. bears N. 11° 30' W.

83 lks. dist. marked 4 H E S 103 1 H E S 104  
 5 H E S 129 B T.

A hackberry 5 ins. dia. bears N. 63° 15' W.

114 lks. dist. marked 4 H E S 103 1 H E S 104  
 5 H E S 129 B T.

Thence N. 31° 29' E.

Along line 4-3 of H. E. S. 103, Burl A. Hildreth.  
 Descend 20 ft. to cor.

- 8.73 Fence, bears N. and S.
- 11.83 Forest Service telephone line bears E. of N. and W. of S.
- 13.83 To cor. No. 6.

Identical with cor. No. 3 of the List survey, which is  
 an imbedded quartzite boulder 24 x 24 x 12 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. At this point I previously es-  
 tablished cor. No. 3 of H. E. S. No. 103 by marking a  
 cross (+) on apex of this boulder and 3-HES103 on NW.  
 side of cross, with mound of stone 2 ft. base, 1-1/2 ft.  
 high NW. of cor. I mark same boulder 6-HES129 on SE.  
 face for cor. No. 6 of this survey, whence

A hackberry 5 ins. dia. bears N. 83° 49' E.

55 lks. dist. marked 6 H E S 129 B T.

A sycamore 16 ins. dia. bears N. 16° 15' W. 100 lks.

dist. marked 3 H E S 103 6 H E S 129 B T.



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Chains Thence N. 51° 30' E. to I-1 of H. E. S. No. 103, Burl A. Hildreth.

3.81 Descend 20 ft. to cor. No. 4, H. E. S. No. 101, and Cor. No. 2, H. E. S. No. 103, which is a quartzite boulder 18 x 8 x 10 ins. above ground, marked 4-HES101 on the N. face and 2-HES103 on the W. face. Continue along line 4-3 of H. E. S. No. 101, Edgar B. Wever.

9.30 To cor. No. 7. Identical with cor. H-2 of the List survey, which is a gray banded gneiss 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. At this point I previously set cor. No. 3 of H. E. S. No. 101, which is a quartzite boulder 9 x 9 x 10 ins. above ground, marked 3-HES101 on NW. face, with mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. mark 7-HES129

on E. face of same boulder for cor. No. 7 of this survey, whence

A sycamore .34 ins. dia. bears S. 51° E. 79 lks. dist. marked 7 H E S 129.

An ash 7 ins. dia. bears N. 78° W. 31 lks. dist. marked 3 H E S 101 7 H E S 129.

Thence N. 5° 55' E.

Along line 3-2 of H. E. S. No. 101, Edgar B. Wever.

Descend 10 ft. to cor. - - - - -

0.53 Right bank Ice House Creek, 4 ft. high, course NE.

7.35 Leave Ice House Creek, bank 10 ft. high, course NW.

10.38 Ranch road, bears E. and W.

11.00 Rebecca Howard's irrigation ditch, 3 lks. wide, course E.

12.53 Right bank Ice House Creek, 1 ft. high, course E.

14.53 Left bank Ice House Creek, 1 ft. high, course E.

15.53 To cor. No. 8.

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Chains Identical with cor. H-1 of the List survey, which is an imbedded quartzite boulder 24 x 24 x 15 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. At this point I previously established cor. No. 12 of H. E. No. 101 by marking a cross (+) on the apex of this boulder and 2-HES101 on the SW. face, with mound of stone 2 ft. base, 1-1/2 ft. high. SW. of cor. I mark same boulder 8-HES129 on the SE. face for cor. No. 8 of this survey, whence S-H. 28 ins. dia. bears S. 44° 45' E. 99 lks. dist. marked 8-HES129 B T. A hackberry 4 ins. dia. bears S. 26° 15' W. 49 lks. dist. marked 2-HES101 8-HES129 B T.

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Thence S. 86° 57' E. on a true line. Descend 5 ft. to Creek. 1-1/2 ft. high. base, 1-1/2 ft. high. 3.60 Left bank Ice House Creek, 2 ft. high, course NE. 6.55 Road, bears N. and S. 7.78 Right bank Ice House Creek, 2 ft. high, course NE. Ascend 125 ft. to cor. 8-HES129 marked 7-HES129 B T. 7.90 Fence, bears NE. and SW. 8.50 Fence, bears NW. and SE. 101 8-HES129 marked 13.48 To cor. No. 1 of this survey, the place of beginning.

Area of Homestead Entry Survey No. 129  
 Total area - - - - - 79.86 acres.

The improvements made upon and for the benefit of this homestead and belonging to Rebecca Howard, the claimant herein, consist of the following:  
 A frame shed 20 x 10 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 59° E. 3.40

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ARIZONA

Chains

chs. dist. from cor. No. 8 of this survey.

Value . . . . . \$ 25.00

A well 4 x 4 x 20 ft. deep, the center of which bears S. 45° E. 3.60 chs. dist. from cor. No. 8 of this survey.

Value . . . . . \$ 50.00

A frame chicken house 12 x 12 ft. the long side of which bears N. and S., and the NW. cor. of which bears S. 28° E. 5.05 chs. dist. from cor. No. 8 of this survey.

Value . . . . . \$ 20.00

A frame dwelling 12 x 14 ft., the long side of which bears E. and W. and the NW. cor. of which bears S. 25° E., 4.70 chs. dist. from cor. No. 8 of this survey

Value . . . . . \$100.00

A frame dwelling 34 x 30 ft., the long side of which bears E. and W. and the NW. cor. of which bears S. 19° 45' E., 4.30 chs. dist. from cor. No. 8 of this survey.

Value . . . . . \$200.00

A windmill and well 20 ft. deep, the center of which bears S. 9° E., 4.70 chs. dist. from cor. No. 8 of this survey

Value . . . . . \$100.00

A frame dwelling 30 x 35 ft. the long side of which bears E. and W. and the NW. cor. of which bears S. 1° 30' E., 7.60 chs. dist. from cor. No. 8 of this survey.

Value . . . . . \$300.00

General Description

This homestead is on Ice House Creek at an elevation of approximately 3800 ft. and is chiefly valuable for intensive farming and cattle raising. The soil is a sandy loam. I saw no indication of mineral on this claim. Globe postoffice and Arizona Eastern Railway Station is about 1-1/4 miles in a northerly direction.

CROOK NATIONAL FOREST

ARIZONA

Chains

Conflicts and Adjoining Claims.

This Homestead Entry is joined on the West by H. E. S. No. 101, Edgar B. Wever; H. E. S. No. 103, Burl A. Hildreth, and H. E. S. No. 104, Thomas Halsall. Cor. No. 1 of H. E. No. 014832, Robert E. Lee, unsurveyed H. E. S. No. 107, bears N. 12° 40' W. 9.75 chs. dist. from cor. No. 3 of this survey.

December 13, 1913.

Traverse

Bearing	Distance	Latitude	Departure
		N S	E W
S. 20° 40' W.	71.50	66.90	25.23
N. 61° 10' W.	6.86	3.31	6.01
N. 3° 06' W.	22.67	22.64	1.33
N. 19° 25' E.	9.16	8.64	3.05
N. 31° 29' E.	13.83	11.79	7.22
N. 51° 30' E.	9.30	5.79	7.28
N. 5° 55' E.	15.53	15.45	1.60
S. 86° 57' E.	13.48	0.72	13.46
	162.33	67.62	32.61
		67.62	32.57
Error in Lat. and Dep.		0.00	0.04
Closing Error 1:4058			

*Walter J. Purley*  
 Forest Service Surveyor.

General Description

This homestead is on Ice House Creek at an elevation of approximately 3800 ft. and is chiefly valuable for intensive farming and cattle raising. The soil is a sandy loam. I saw no indication of mineral on this claim. Globe postoffice and Arizona Eastern Railway Station is about 1-1/4 miles in a northerly direction.

DIRECTIONS.—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.

2. In balancing Lat. and Dep. 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 hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

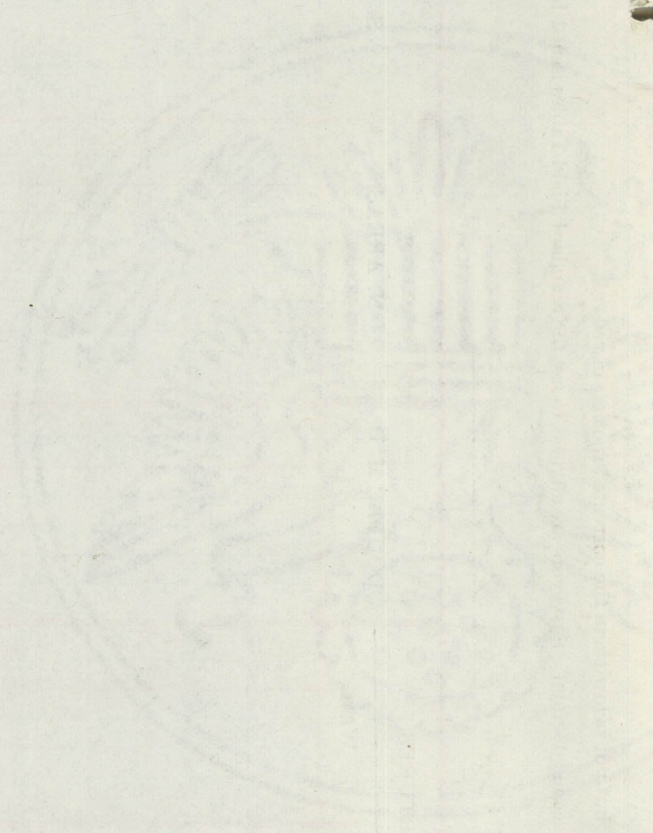
# TABLING AND CALCULATIONS OF

*Rebecca Howard H. C. S. 129*

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			NORTH	SOUTH	EAST	WEST			
	S. 20° - 40' N.	71.50		66.90			39.95		2672.66
	N. 61° - 10' N.	68.6	33.1				86.9	287.6	
	N. 3° - 06' N.	22.67	22.64				13.4	303.4	
	N. 19° - 25' E.	91.6	86.4		30.5		30.5	263.5	
	N. 31° - 29' E.	138.3	117.9		72.2		133.2	1570.4	
	N. 57° - 30' E.	93.0	57.9		72.8		27.82	1610.8	
	N. 5° - 55' E.	155.3	154.5		5.9		36.69	546.86	
	S. 86° - 57' E.	134.8		07.2	134.6		57.74		372.5
		<u>1623.3</u>	<u>676.2</u>	<u>676.2</u>	<u>326.1</u>			<u>9704.3</u>	<u>2709.91</u>
			676.2	676.2	326.0			9704.3	21173.48
									8697 = Area

*Closing Error = 1.4058*

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TO THE DIRECTOR GENERAL OF THE BUREAU OF LAND MANAGEMENT

APPROVAL

Office of the United States Surveyor General,  
Phoenix, Arizona,  
December 10., 1914.

The foregoing field notes of Homestead Entry Survey No.

129

Rebecca Howard

executed by Walter G. Turley, Forest Service Surveyor,  
under his special instructions, dated November 13., 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.