

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

June 3, 1915

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 232

SITUATED IN THE

APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 22, unsurveyed, Township 1 N., Range 30 E.

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of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by C. A. Long, Surveyor-Forest Service.

Under special instructions dated August 6, 1914

Survey commenced November 17, 1914

Survey completed November 18, 1914

Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing James E. Cospers,

Residence Clifton, Arizona.

Application No. 160, dated May 27, 1911

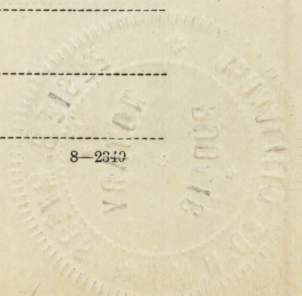
List No. 3-1602, dated December 4, 1911

Applicant for survey James E. Cospers,

Residence Clifton, Arizona.

H. E. No. 018940, dated August 15, 1912.

Land district Phoenix, Arizona.



OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long,  
Surveyor-Forest Service in surveying all those  
parts or portions of Homestead Entry Survey No. 232, in  
unsurveyed Section 22, Township 1 N., Range 30 E.,  
-- surveyed 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.

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

Wm. W. Warner, Chairman  
Fred Turley, Chairman.

Subscribed and sworn to before me this 18th day of  
November, 1914.

C. A. Long  
Surveyor-Forest Service.

OATH OF SURVEYOR

I, C. A. Long, Surveyor-Forest Service, do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
August 6, 1914, 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. 3-1602 dated Dec. 4, 1911, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 232,  
situated within the APACHE National Forest, in  
unsurveyed Section 22, Township 1 N., Range 30 E., and  
-- surveyed 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.

C. A. Long  
Surveyor-Forest Service

Subscribed and sworn to before me this 23rd day of  
April, 1915.

Elmer C. Meyer  
Notary Public



HOMESTEAD ENTRY SURVEY NO. 232

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

Applicant for listing, James E. Cosper. Application No. 160, dated May 27, 1911. List No. 3-1602, dated December 4, 1911, H.E. No. 018940, made at Phoenix, Arizona, August 15, 1912.

Surveyed under Special instructions from the Surveyor General for Arizona, dated August 6, 1914, and designated as Homestead Entry Survey No. 232.

Situated in what will probably be, when surveyed, Sec. 22, T. 1 N., R. 30 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and June 30, 1914.

Survey commenced November 17, 1914 and executed with a

W. and L. E. Gurley light mountain transit No. 11920 provided with a full vertical circle and a horizontal limb having two double verniers placed opposite each other and graduated to read to single minutes of arc,

which is also the least count of the vertical circle readings.

I test the adjustments of the transit and make necessary corrections.

All measurements were made on the slope with a 500 link steel tape, and the slope angles determined with a clinometer, the horizontal distances alone appearing in these notes.

November 17, 1914.

At Cor. No. 1 of this survey, I observe the altitude of the sun for azimuth. The reference mark is to the left of sun. The Zero of the azimuth circle is set on reference mark and the sun observed in the upper left, lower right, upper right and lower left quadrants of the field. My watch is set for local mean time.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

Longitude  $109^{\circ} 14' 10''$  W.) By account from Land  
 Latitude  $33^{\circ} 25' 00''$  N.) Office map.

Telescope l.m.t. Vertical Angle Horizontal Angle

Direct 8h. 38m. 40s.  $21^{\circ} 55' 20''$   $144^{\circ} 45' 30''$   
 Reversed 8h. 42m. 00s.  $21^{\circ} 53' 00''$   $144^{\circ} 48' 00''$   
 Means 8h. 40m. 20s.  $21^{\circ} 54' 10''$   $144^{\circ} 46' 45''$

(2)

Direct 8h. 44m. 50s.  $22^{\circ} 51' 00''$   $145^{\circ} 23' 00''$   
 Reversed 8h. 47m. 40s.  $22^{\circ} 43' 00''$   $146^{\circ} 31' 00''$   
 Means 8h. 46m. 15s.  $22^{\circ} 47' 00''$   $145^{\circ} 57' 00''$

Bearing of reference mark by (1) N.  $11^{\circ} 42' 45''$  W.  
 Bearing of reference Mark by (2) N.  $11^{\circ} 43' 45''$  W.  
 Mean N.  $11^{\circ} 43' 15''$  W.

and to the above stated meridian all the courses of  
 this survey are referred.

November 17, 1914.

At Cor. No. 1 of this survey, I place the telescope  
 of my instrument in the meridian and observe the passage  
 of the sun for time and latitude.

	Telescope	Watch Time	Vertical Angle.
Sun's upper and west limb	Direct	11h. 42m. 40s.	$37^{\circ} 57' 00''$
Sun's lower and east limb	Reversed	11h. 45m. 00s.	$37^{\circ} 24' 00''$
	Means	11h. 43m. 40s.	$37^{\circ} 40' 30''$

Time Computation

Watch time of apparent noon = 11h. 43m. 40s.  
 Equation of time + 15m. 04s.  
 11h. 58m. 44s.  
 Watch slow on l.m.t. 12h. 00m. 00s.  
 1m. 16s.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

Latitude Computation.

Observed vert.  $37^{\circ} 40' 30''$

Refraction

$1^{\circ} 16''$

$37^{\circ} 39' 14''$

Parallax

+ 07

$37^{\circ} 39' 21''$

Sun's declination +

$18^{\circ} 55' 48''$

$56^{\circ} 35' 09'' = \text{Co. Lat.}$

$90^{\circ} 00' 00''$

$33^{\circ} 24' 51'' = \text{Latitude}$

November 17, 1914.

I begin at list cor. No. 1, which is a stone, 8 x 10 x 2 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and F.S.M. and witnesses thereto, and cut a cross (+) on basalt stone in place, showing 30 x 20 x 15 ins. above ground for cor. No. 1 of this survey, marked HES 232 on side facing claim. Pits and mounds impracticable, whence,

A live oak 10 ins. dia., bears S.  $13^{\circ} 45'$  E.

33 lks. dist.

A blackjack pine 6 ins. dia., bears N.  $75^{\circ} 50'$  W.

21 lks. dist.

Each blazed and marked H E S 232 B T.

The SE. cor. of Sec. 23, T. 1 N. R. 30 E., which

is a stone firmly set marked and witnessed as

described by the Surveyor General, bears S.  $78^{\circ}$

$58' 30''$  E. 145.06 chs. dist. by Traverse here-

after described.

The magnetic bearing of the true meridian at 10:30 a.m.

November 18, 1914, is N.  $14^{\circ} 30'$  W. which gives the

mean magnetic declination  $14^{\circ} 30'$  E.

Thence S.  $88^{\circ} 30'$  W.

Descend steep rocky slope 25 ft. through scattering

scrub oak and juniper.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

- 1.00 Bottom of slope. Thence over level bottom land.
- 1.10 Dry bed of Thomas Creek, 15 lks. wide, banks 3 ft. high,  
Course South.
- 3.10 Dry wash, 8 lks. wide, banks 4 ft. high, course S. 49°00'E.
- 4.70 Dry wash, 15 lks. wide, banks 5 ft. high, course N. 40°00'E.
- 5.17 To cor. No. 2.  
Identical with list cor. No. 6, which is a sandstone  
5 x 5 x 12 ins. above ground, marked and witnessed  
as described by the Forest Service. I destroy it  
and witnesses thereto, and set a limestone 25 x 10 x 8  
ins., 15 ins. in the ground, over a stone marked with  
a cross (+) for Cor. No. 2, of this survey marked  
M-2-HES232 on side facing claim and a cross (+) on top.  
Dig pits 24 x 24 x 12 ins. crosswise on this and the  
succeeding course, 7 ft. dist. and raise a mound of  
earth and stone 4 ft. base, 2 ft. high, 3-1/2 ft. dist.  
within claim, whence,  
A blackjack pine 10 ins. dia., bears S. 87° 55' E.  
77 lks. dist.  
A blackjack pine 10 ins. dia., bears S. 58° 06' E.  
93 lks. dist.  
A black walnut 6 ins. dia., bears S. 28° 20' E.  
52 lks. dist.  
Each blazed and scribed H E S 232 B T.  
Thence N. 0° 55' W.  
Over level bottom land covered with scattering juniper  
and scrub oak.
- 0.60 Dry wash, 15 lks. wide, banks 5 ft. high, course East.
- 3.00 Ascend 60 ft.
- 5.09 Top of ascent. Continue over rolling land.
- 11.34 Descend 30 ft.
- 13.09 Bottom of descent. Continue over level bottom land.
- 15.09 To Cor. No. 3.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

Identical with list cor. No. 5, which is a malpais stone, 14 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and witnesses thereto, and set a limestone 23 x 12 x 10 ins. 13 ins. in the ground, over a stone marked with a cross (+) for Cor. No. 3 of this survey, marked 3-HES232 on side facing claim and a cross (+) on top.

Pits impracticable. Raise a mound of stone 3 ft. base, 2 ft. high, 3-1/2 ft. distant within the claim, whence,

An ash 10 ins. dia., bears S. 47° 33' E. 35 lks. dist.

A juniper 6 ins. dia., bears S. 09° 47' W. 56 lks. dist.

Each blazed and scribed 3 H.E.S. 232 B.T.

(No larger stone for cor. available).

Thence N. 89° 32' E.

Over open level land covered with washed boulders. 3.00+ Thomas Creek, dry at this time, 15 lks. wide, course S. 13° 00' E.

10.07 To Cor. No. 4. (+)

Identical with list cor. No. 4, which is a malpais stone 12 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and witnesses thereto, and set a limestone 21 x 8 x 6 ins. 11 ins. in the ground, over a marked stone marked with a cross (+) for cor. No. 4 of this survey and marked 4-HES232 on side facing claim and a cross (+) on top.

Dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist, and raise a mound of earth and stone 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence,

Chains

A live oak 8 ins. dia., bears S. 76° 30' W.,

94 lks. dist.

A live oak 8 ins. dia., bears N. 87° 45' E.,

125 lks. dist.

Each blazed and scribed 4 H E S. 232 B T.

(No larger stone available for cor.)

3-HES232 on side facing claim and a cross (+) on top.

November 18, 1914.

Thence South

Over open land descend 10 ft.

1.50 Bottom of descent. Dry wash, 8 lks. wide, banks 3 ft. high, course S. 46° 00' W.

2.26 Ascend steep slope 45 ft. Enter scattering scrub oak and juniper.

5.06 To Cor. No. 5.

Identical with list cor. No. 3, which is a sandstone in a mound of stone, marked and witnessed as described

by the Forest Service. I destroy it and witnesses

thereto and set a limestone 24 x 20 x 8 ins. 14 ins.

in the ground over a stone marked with a cross (+) on

for cor. No. 5 of this survey, marked 5-HES232 on

side facing claim and a cross (+) on top. Pits imprac-

ticable. Raise a mound of stone 3 ft. base, 2 ft.

high, 3-1/2 ft. dist. within claim, whence,

A cedar 16 ins. dia., bears N. 84° 16' E. 76 lks.

dist.

A pinon 8 ins. dia., bears S. 12° 00' W. 49 lks.

dist.

Each blazed and scribed 5 H E S 232 B-T.

3-HES232 on side facing claim and a cross (+) on top.

Thence S. 88° 37' W.

Over level land, through scattering juniper and scrub oak.

1.44 Descend 35 ft.



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STATE OF ARIZONA.

Chains

3.40 Bottom of descent. Leave timber. Continue over level bottom land.

3.94 Bed of dry wash, 15 lks. wide, Course S. 46° 00' W.

4.94 To Cor. No. 6.

Identical with list cor. No. 2, which is a limestone,

12 x 12 x 8 ins. above ground, marked and witnessed as

described by the Forest Service. I destroy it and wit-

nesses thereto, and set a conglomerate stone 23 x 10 x

6 ins. 13 ins. in the ground, over a stone marked with

a cross (+) for Cor. No. 6 of this survey, marked

6-HES232 on side facing claim and a cross (+) on top.

Pits impracticable. Raise a mound of stone 3 ft. base,

2 ft. high, 3-1/2 ft. dist. within claim, whence,

An ash 12 ins. dia., bears S. 02° 45' W. 202 lks.

dist.

A live oak 6 ins. dia., bears S. 50° 30' W.

131 lks. dist.

Each blazed and scribed 6 H E S 232 B T.

(No larger stone available for cor.)

Thence S. 0° 38' E.

Over level creek bottom covered with boulders.

1.50 Bed of dry wash 15 lks. wide, course S. 46° 00' W.

4.50 Enter dry bed of Thomas Creek, 15 lks. wide, course S.

8.00 Leave dry bed of Thomas Creek, bearing S. 05° 00' W.

8.85 Ascend 20 ft.

9.85 To Cor. No. 1, the place of beginning.

Area

Area of H.E.S.No. 232 10.19 acres.

CONFLICTS OR ADJOINING CLAIMS.

There are no conflicts or adjoining claims.

Chains	<u>Improvements.</u>
	The improvements upon the claim and belonging to the claimant, consist of the following:
	Frame dwelling, 14 x 25 ft., course of long sides N. and S. the NE. cor. of which bears from Cor. No. 6, S. 11° 02' W., 4.35 chs. dist.
	Value - - - - - \$125.00
	Log storehouse 10 x 14 ft., course of long sides E. and W., the NW. cor. of which bears from Cor. No. 6, S. 15° 06' W., 5.47 chs. dist.
	Value - - - - - \$ 25.00
	Total value of improvements - - - - - \$150.00

Description.

This claim is located along the valley of Thomas Creek, at an elevation of 5,130 ft. above sea level. The soil in the valleys is a light sandy loam, full of large wash boulders, and poor for agricultural purposes. The hillsides are rocky and sparsely covered with scattering juniper and scrub oak chiefly valuable for pasture. There is no evidence of precious minerals on the claim.

The only water on the claim is seepage from the hillsides which is sufficient for domestic purposes only. The claim is unfenced and none of it has been under cultivation.

Clifton, the County seat of Greenlee County, on the A. and N.M.R.R. is the nearest center of trade, and lies about 40 miles dist. in a southerly direction and is reached by a rough mountain trail. Blue Postoffice lies about 20 miles in a northerly direction.

CONFLICTS OR ADJOINING CLAIMS.

There are no conflicts or adjoining claims.

HOMESTEAD ENTRY SURVEY NO. 232

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Traverse from cor. No. 1 to the SE. cor. of Sec. 23,  
T. 1 N., R. 30 E., Gila & Salt River Base & Meridian.

Course	Dist.	N.	S.	E.	W.
N. 0° 38' W.	9.85	9.85			0.28
N. 88° 37' E.	4.94	0.12		4.94	
North	5.06	5.06			
N. 61° 39' E.	21.98	10.44		19.34	
N. 85° 22' E.	18.25	1.47		18.19	
S. 39° 50' E.	6.12		4.70	3.92	
S. 62° 48' E.	108.50		49.59	96.50	
S. 27° 12' W.	0.38		0.34		0.17
		26.94	54.63	142.89	0.45

From the above traverse, I compute the bearing and  
distance to be S. 78° 58' 30" E. 145.06 chs.

Boundaries of H.E.S.No. 232.

No.	Course	Dist.	N.	S.	E.	W.
1-2	S. 88° 30' W.	5.17		0.13		5.17
2-3	N. 0° 55' W.	15.09	15.08			0.24
3-4	N. 89° 32' E.	10.07	0.08		10.07	
4-5	South	5.06		5.06		
5-6	S. 88° 37' W.	4.94		0.12		4.94
6-1	S. 0° 38' E.	9.85		9.85	0.28	
		50.18	15.16	15.16	10.35	10.35

Error in Lat. and Dep. = 0

Closing Error = 0.

Survey completed November 18, 1914.

*C. A. Long*  
Surveyor-Forest Service.

Chains

Traverse from cor. No. 1 to the cor. of Sec. 22,  
T. 1 N., R. 20 E., Gila & Salt River Base & Meridian.

Course	Dist.	N.	S.	E.	W.
N. 0° 38' W.	2.88	2.88			
N. 88° 37' E.	4.94		0.12	4.94	
North	2.02				
N. 61° 39' E.	21.98	10.44			19.24
N. 88° 32' E.	18.33	1.47			18.19
S. 29° 30' E.	6.12		4.70		3.92
S. 62° 48' E.	108.50		49.32		96.30
S. 27° 12' W.	0.28		0.24		0.17
	26.94	24.82	142.82		0.49

From the above traverse, I compute the closing and

distance to be S. 78° 58' 30" E. 142.06 chains.

Boundaries of H.W.S. No. 222.

No.	Course	Dist.	N.	S.	E.	W.
1-2	S. 88° 30' W.	2.17	2.17			
2-3	N. 0° 55' W.	12.09		0.12		2.17
3-4	N. 89° 32' E.	10.07			10.07	0.24
4-5	South	2.02				
5-6	S. 88° 27' W.	4.94		0.12		4.94
6-1	S. 0° 38' E.	2.88		2.88		0.28
		20.18	12.16	12.16	10.23	10.23

Error in lat. and Dep. = 0

Closing Error = 0.

Survey completed November 18, 1914.

Surveyor-General Service

Chains

Azimuth Computation.

(1)

Date of Obsn. - November 17, 1914.

Longitude 109° 14' 10" W. By account from  
Land Office map.

Latitude 33° 25' 00" N.

Local mean time of observation, 8h. 40m. 20s.

Apparent time of observation, 8h. 55m. 24s.

Observed vertical angle, 21° 54' 10"

Reduced vertical angle, 21° 51' 48"

Suns declination, S. 18° 53' 54"

Horizontal angle, 144° 46' 45"

(The sun is to the right of reference mark.)

Cos. A. =  $\frac{\text{Sin. } 18^\circ 53' 54''}{\text{Cos. } 33^\circ 25' \times \text{Cos. } 21^\circ 51' 48''}$  - (Tan. 33°

25' x Tan. 21° 51' 48")

Log. Sin. 18° 53' 54" = 9.5103974  
 $\frac{9.8891069}{9.6212905} = \text{Log. } -.41811$

Log. Cos. 33° 25' 00" = 9.9215240  
 $\frac{9.9675829}{9.8891069}$

Log. Tan. 33° 25' 00" = 9.8194096  
 $\frac{9.6034196}{9.4228292} = \text{Log. } -.26475$

-.41811 -.26475 = -.68286 = Nat. Cos. of the bearing of  
 the sun, S. 46° 55' 57" E. and the bearing of the re-  
 ference mark is N. 11° 42' 42" W.

(2)

Date of observation, November 17, 1914.

Longitude 109° 14' 10" W. |  
 | By account from  
 Latitude 33° 25' 00" N. | Land Office map.

Local mean time of observation, 8h. 46m. 15s.

Apparent time of observation, 9h. 01m. 19s.

Observed vertical angle, 22° 47' 00"

Reduced vertical angle, 22° 44' 43"

Suns declination, S. 18° 53' 58"

Horizontal angle, 145° 57' 00"

(The sun is to the right of reference mark.)

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

$$\text{Cos. A.} = \frac{\text{Sin. } 18^\circ 53' 58''}{\text{Cos. } 33^\circ 25' \times \text{Cos. } 22^\circ 44' 43''} - (\text{Tan. } 33^\circ)$$

25' x Tan. 22° 44' 43" = 9.8863646

$$\text{Log. Sin. } 18^\circ 53' 58'' = 9.5104220$$

$$\frac{9.8863646}{9.6240574} = \text{Log. } -.42078$$

$$\text{Log. Cos. } 33^\circ 25' 00'' = 9.9215240$$

$$\text{Log. Cos. } 22^\circ 44' 43'' = \frac{9.9648406}{9.8863646}$$

$$\text{Log. Tan. } 33^\circ 25' 00'' = 9.8194096$$

$$\text{Log. Tan. } 22^\circ 44' 43'' = \frac{9.6224605}{9.4418701} = \text{Log. } -.27662$$

-.42078 - .27662 = -.69740 = Nat. Cos. of the bearing  
of the sun, S. 45° 46' 51" E., and the bearing of  
reference mark is N. 11° 43' 51" W. and the mean of  
these two observations is N. 11° 43' 16" W.

T. A.

$$\text{Log. Sin. } 18^\circ 53' 58'' = 9.5104220$$

$$\frac{9.8863646}{9.6240574} = \text{Log. } -.42078$$

$$\text{Log. Cos. } 33^\circ 25' 00'' = 9.9215240$$

$$\text{Log. Cos. } 22^\circ 44' 43'' = \frac{9.9648406}{9.8863646}$$

$$\text{Log. Tan. } 33^\circ 25' 00'' = 9.8194096$$

$$\text{Log. Tan. } 22^\circ 44' 43'' = \frac{9.6224605}{9.4418701} = \text{Log. } -.27662$$

-.42078 - .27662 = -.69740 = Nat. Cos. of the bearing of  
the sun, S. 45° 46' 51" E. and the bearing of the re-  
ference mark is N. 11° 43' 16" W.

(3)

Date of observation, November 17, 1914.

Longitude 109° 14' 10" W. }  
By account from }  
Latitude 33° 25' 00" N. }  
Land Office map.

Local mean time of observation, 8h. 45m. 12s.

Apparent time of observation, 9h. 01m. 12s.

Observed vertical angle, 33° 47' 00"

Reduced vertical angle, 33° 44' 43"

Sun's declination, 21° 18' 58"

Horizontal angle, 145° 57' 00"

(The sun is to the right of reference mark.)

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.

James E. Copper - Apache

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. **232**, STATE OF **ARIZONA**

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.	DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.				
Sec. 22-1-2	S. 88° 30' W.	5.17		13		5 17		73
2-3	N. 00° 55' W.	15.09	15 08			24	3 62	
3-4	N. 89° 32' E.	10.07	08		10 07	10 07	81	
4-5	South	5.06		5 06		20 14		101 91
5-6	S. 88° 37' W.	4.94		12	4 94	15 20	1	82
6-1	S. 00° 38' E.	9.85		9 85	28	10 54	103	82
		50.18	15 16	15 16	10 35	10 35	4 43	206 28
			15 16	15 16	10 35	10 35	4	43
							20) 203	85
							10.192A.	

T.M.





APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 29, 1916.

The foregoing field notes of Homestead Entry Survey No.

232

executed by C. A. Long, Surveyor-Forest Service  
under his special instructions, dated August 6, 1914,  
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 P. Trott  
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 P. Trott  
U. S. Surveyor General.