# U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

SEP. 19.1914 17

## FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO.162...

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.3

in

Section 1, unsurveyed, Township 1 S., Range 15 E. Section 2 , 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 January 17, 1914
Survey commenced February 14 , 1914
Survey completed February 14 , 1914
Under Acts of June 11, 1906 and March 4, 1913.
Applicant for listing M. B. Morse
Residence Globe, Arizona.
Application No. 136 , dated February 19 , 1910
List No. 3-498 , dated April 23, , 1910
Applicant for survey George W. Graham
Residence Globe, Arizona.
H. E. No. 020295 , dated January 31, 1913
Land district Phoenix, Arizona.

## OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley.
parts or portions of Homestead Entry Survey No. 162, in
unsurveyed Section 1 , Township 1 S. , Range 15 E. ,
unsurveyed Section 2 , Township 1 S. , Range 15 E. ,
Cal Cas P. R. S. I. C. Arizone
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.
Worther Laurly
CP PALL F
Chainman Chainman
Market State of the State of th
Subscribed and sworn to before me thisday of
Lebusy, 1914 Walery Scatt
holar Jublic
my Communerfus John 1.1817 holan, Public
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 January 17, 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 apon the application of embraced in List No.3-498, dated April 23, 1910, for
, under the Act of June 11 1906,
the same to be known as Homestead Entry Survey No. 162, situated within the National Forest, in
unsurveyed Section 1, Township 1 3. Range 13 5, and
unsurveyed Section 2 , Township 1 8 , Range 15 E.
ADTZONA
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 of Lurley
Fresh Lings Liver
more and and
Subscribed and sworn to before me this day of
Lebrury, 19/4.
Male & Scatt
SEAL. Bear Public 8-2249 Land 1811
8-2249 Molay Jublic
my ochronografia fallill)

## HOMESTEAD ENTRY SURVEY NO. 162

## TOROCK NATIONAL FOREST

#### ARIZONA

Chains applicant for listing, M. B. Morse; application No. 136, dated February 19, 1910; List No. 3-498, dated April 23, 1910; H. E. No. 020295 made at Phoenix, Arizona by George W. Graham, dated January 31, 1913. Surveyed under Special Instructions from the Surveyor I . General for Arizona dated January 17, 1914, and designated as Homestead Entry Survey No. 162. Situated in what will probably be, when surveyed, Sec -. tion I, T. 1 S., R. 15 E., G. and S. R. B. and Meridian ed of within the Crook National-Forest, Arizona, and

> Listed under the Act of June. 11, 1906; and survey authorized by the Acts of June 11, 1905 and March 4, 1913.

> > Pebruary 14, 1914:

Survey commenced February 14, 1914, 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 are, which is also the least graduation on the verniers of the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attackment; and the stadia interval was adjusted to read pedreal:132:re evode .ani 8 x 3 x 01 enote eliziteup

.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.

of H. H. S. No. 74. Tre-establish the

delaw February 14, .1914; id . fl & \I-I , saed . fl & enote

. At 8 h. 00 m. a.m., I.m.t., I set off 13° 07' S. on the decl. arc and 33° 22' on the lat. arc and determine a meridian with the solar at cor. No. 3 of H. E. S. No.

20

#### CROOK NATIONAL FOREST

#### ARIZONA

Chains

.- 005

102, which is a granite boulder 10 x 10 x 10 ins. above ground, marked and witnessed as described by me in the field notes thereof, and my line of sight falls upon the tack in the stake set 4.00 chs. North of my station. which marks the meridian as determined by Polaris observations of December 14th and 15th, 1913. Therefore, I conclude that my transit is in satisfactory adjustment. Lat. 33° 22' N., Long. 110° 43' 50" W.

Preliminary to the survey of this claim, I retrace the boundaries of List 3-498 and calculate its area to be - roding less than 160 acres and to tel ent rebns betall

I also retrace line 1-2 of H. E. S. 102.

February 14, 1914:

At 8 h. 30 m. a.m., 1.m.t., I set off 139 07 S. on the decl. arc and 33° 23' on the lat. arc. and determine a meridian with the solar at the S.C. Secs. 36 and 34 T. 1 N., Rs. 15 and 15-1/2 E., which is a granite rock 10 x 8 x 8 ins. above ground, marked and witnessed as -ital odescribed by the Surveyor General and oals

mortanilees bus obut

Thence S. 368 47' E. on a tie-line, thombatent edu

29.42 Cor. No. 1 of this survey, II, alevel and of about

Identical with cor. H-1 of the list survey, which is a quartzite stone 10 x 5 x 8 ins. above ground; marked and witnessed as described by the Forest Service. destroy all trace of this list cor. and mark 1-HES162 on the SE. face of the same stone for cor. No. 1 of this survey, which is also marked + 6-HES74 for cor. No. 6 of H. E. S. No. 74. I re-establish the mound of stone 2 ft. base. 1-1/2 ft. high NE. of cor. from which:

end no . 2 170 A hackberry 4 ins. dia, bears S. 26° 10' E.

s en arreto 6 87 lks. dist. marked 1 H E S 162 B.T. of

. . . A sycamore tree 24 ins. dia. bears N. 76° 52' E.

## HOMESTEAD ENTRY SURVEY NO. 162 MOH

## TE CROOK NATIONAL FOREST

	Chains	261 lks. dist. marked + B T H E S 74 1 H E S 162
		Therefore the S. C. Secs. 36 and 34 T. 1 N., Rs. 15 and
		15-1/2 E. bears N. 36° 47' W. 29.42 chs. dist. from cor.
	hich is	No. 1 of this survey
		a 60 penny wire nail driven into the HE. side of
		At 9 h. 00 m. a.m., 1.m.t., I observe the magnetic decli-
		nation at cor. No. 1 of this survey to be 14° 30' E.
	A STATE OF THE STA	which reduced by Table G, Manual of 1894, Diurnal Varia-
	. no o	tion in Magnetic Declination, gives a mean magnetic
		declination of 14° 28' E. Long.110°44'W., as obtained from Special Instructions from the Surveyor General.
		Thence N. 87° 491 E. Dallem . Jelb . axl Val
	LLA LICE	· Along line 6-5 of approved H. E. S. No. 74, C. H. Thayer.
		Descend 5 ft. to cor. H & bedren . Jaib
	0.60	Arroyo, 20 lks. wide, banks 2 ft. high, course NE.
		Fence, bears N. and SH 148 788 .E sonside
	1.50	Road, bears N: and S. S. H. H to S-S outl gacia
	3.18	0.08 Left bank Finel Greek, bank 2 ft. high, gowore Too
		Identical with cor. No. 4 of H. E. S. No. 159, which is
		a quartzite stone 12 x 9 x 10 ins. above ground, marked
	ai dold	4-HES159 on SE. face, with mound of stone 2 ft. base,
	C TREES OF THE PROPERTY.	1-1/2 ft. high SE. of cor. I mark 2-HES162 on the SW.
		face of same stone, from which:
		A sycamore 20 ins. dia. bears S. 3° 30' W. 140
	16.7 (1.7 (1.7 (1.7 (1.7 (1.7 (1.7 (1.7 (1	lks. dist. marked 4 H E S 159 2 H E S 162 B T
	TO . WIL	A sycamore 20'ins. dia. bears S. 79° 30' E. 136
The second second		lks. dist. marked 4 H E S 159 2 H E S 162 B T.
STATE OF THE PARTY		Thence S. 170 05' E. Of H & Desiran . Jain
The state of the s	lks.	Along line 4-3 of H. E. S. No. 159. Ascend 5 ft. to cor.
	4.00	Left bank of Pinal Creek, 1 ft. high. course N.: Continue
	3.	in dry creek bed.
-	5.10	Ranch road, bears NW. and SE.

# HOMESTEAD ENTRY SURVEY NO .162 EMOH

## TERCOOK NATIONAL FOREST

Chains	Chains 261 1ks. dist. merked + B T H E S 74 1 H
10.45	Left bank Pinal Creek, 2 ft. high, course NW.
10.55	Cor. No. 3. SA. 82 .W WA 08 .I Exced .A S\1-d1
	Identical with cor. No. 3 of H. E. S. No. 159, which is
	a 60 penny wire nail driven into the NE. side of a syca-
wi look	more tree 30 ins. in dia., blazed and marked 3-HES159
	immediately under nail, with mound of stone 2 ft. base,
	1-1/2 ft. high NW. of cor. I mark 3-HES162 in a blaze
THE RESERVE OF THE PERSON OF T	to the NW. of the nail upon the sycamore tree for cor.
010	No. 3 of this survey, from which:
tions	A sycamore 24 ins. dia. bears S. 8° 00' W.
	127 lks. dist. marked 3 H E S 159 3 H E S 162 B T
	A hackberry 6 ins. dia. bears N. 45° 45! E. 117 lks
. Thayer	dist. marked 3 H E S 159, 3 H E S 162 B T.
	Thence S. 55° 34' E.
	Along line 7.9 of H D C No 150
0.08	Left bank Pinal Creek, bank 2 ft. high, course NW. Con-
	• • • • • • • • • • • • • • • • • • • •
	tinue in dry bed of Pinal Creek.
marked	Cor. No. 4. Discord evide and OI x 9 x SI ends edistributes
osse,	
.WE odd	an iron bolt l in. in dia. driven into the ground.
	This cor. is witnessed by a witness cor. which I pre-
140	vicusly set 1.25 chs. N. 5° 43' W. of the true point,
	which is a quartzite stone 14 x 7 x 10 ins. above ground
	marked 2-HES159 on NW. face, with mound of stone NW. of
Tas	cor. from which: A H B B A R B B B B B B B B B B B B B B B B
	A hackberry 4 ins. dia. bears S. 89° W. 13 lks.
CONTRACTOR OF THE PARTY OF THE	dist. marked 2 H E S 159, W. C. B.T. a second
ron ot	A hackberry 6 ins. dia. bears S. 23° W. 14 lks.
AND THE REAL PROPERTY.	
acent tes	dist. marked 2 H E S 159 W C B T
ntinue	dist. marked 2 H E S 159 W C B T and the co. a land
ntinue	I also witness this point by a W.C. set 80 lks. S.  5° 43' E. from the true point.

## HOMESTEAD ENTRY SURVEY NO .162 MOH

## TE CROOK NATIONAL FOREST

(		Note: It was impracticable to set a witness cor., within 3 chs., on line 3-4 or projection thereof, on account of falling in Pinal Creek.
		Along line 4-3 of the list survey in dry bed of Pinal
		Creek. Ascend 5 ft. to cor. Wad as . W somenn
	0.70	Left bank of Pinal Creek, 3 ft. high, course NW.
	0.80	Set a quartzite stone 24 x 14 x 8 ins. 14 ins. in the
		ground over small stone marked with a cross (+) for a
		W.C. to cor. No. 4 of this survey, marked WC-4-HES162
	nt & ft	on the SW. face; and raise a mound of stone 2 ft. base,
		1-1/2 ft. high SW. of cor. from which:
	ra a.aa	A mesquite 5 ins. dia. bears N. 32° 25' W. 23 lks.
		dist. marked 4 H E S 162 W C B T co . WH
		A sycamore 14 ins. dia. bears N. 25° 50' W., 190
		lks. dist. marked 4 H E S 162 W C B T.
	1.30	Road bears NW. and SE
	1.60	Fence, bears NW. and SE. Enter pasture.
	1.90	Fence, bears E. and W. Continue in pasture.
	2.48	Cor. H-3 of the list survey, which is a quartzite stone
	Tourse	8 x 5 x 8 ins. above ground, marked and witnessed as
	.mt.s.fo	described by the Forest Service. I destroy all trace
	.8 .8	of this list cor. At this point I previously set cor. No. 1 to 1.00.
	2.53	Cor. No. 5 of this survey, at which point I intersect the
	dji	line 1-2 of H. E. S. No. 102, at a point 8.97 chs. S.
	. 100	78° 56'E. from cor. No. 1 and 11.90 chs. N. 78° 56' W.
		from cor. No. 2. At which point I set a schist stone
	T	24 x 14 x 6 ins. 14 ins. in the ground over a small
	.W .6	stone marked with a cross (+) for cor. No. 5 of this
	3 162	survey, marked 5-HES162 on the NW. face; and raise a
		mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor.
	.efdz	from which: eldslisve agained reduced

#### HOMESTEAD ENTRY SURVEY NO.162 MOH

Along line 4-3 of the list survey in dry bed of Pinel

#### TESCROOK NATIONAL FOREST

#### ARTZONA

Chains . A mesquite 4 ins. dia. bears N. 69° 30' W. 61 Iks. dist. marked 5 H E S 162 B T

> A cross (+) on an 'imbedded schist stone 28 x 12 x 12 ins. above ground, bears S. 54° 40' W. 16 lks. dist. marked 5 H E S 162 B R.

Thence N. 78° 56' W. Too of . The d bases . desag

'Along line 2-1 of H. E. S. No. 102. Ascend 30 ft. to 0.80 Set a quertrite stone E4 x 14 x 8 ins. 14 inquin the

- 1.61 Fence, bears E. and W. snots fisms revo baser
- 5.47 Ranch road, bears N. and S.
- . 7.06 Enter adobe residence of George W. Graham at a point 4 ft. SW. of E. cor. and 29 ft. NE. of S. cor.
- . 7.59 Leave house at a point 1/2 ft. SE. of W. cor. and 35.5 ft. NW. of S. cor. 301 8 H H bedron . salb
  - 7.97 Spur bears N. and S. Descend 5 ft. to cor.
  - Fence, bears NE. and Sw. delb . axl 8.95
  - 8.97 Cor. No. 6.

Identical with cor. H-2 of the list survey, also cor. H-2 of H.E. No. 023562, T. J. Gibson, which is a red sandstone 6 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. which refers to this claim. At this point I previously set cor. No. 1 of H. E. S. No. 102, which is a quartzite boulder 9 x 8x 10 ins. above ground, marked 1-HES102 on the SE. face, with mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. enote taring which: I take notifu the .S .oH . Too morf

L.SO Rosed bears NV. and SH.

A cross (+) on an imbedded quartzite boulder 60 x 48 x 15 ins. above ground bears S. 69° W. 114 1ks. dist. marked 1 H E S 102 6 H E S 162 mound of stone, 2 Lt. base, 1-1/2 ft. His of cor.

No other bearings available. Pits impracticable.

# HOMESTEAD ENTRY SURVEY NO. 162 MOH

# TCROOK INATIONAL FOREST

Chains	I mark 6-HES162 on the NE. face of the same stone for
to col	t cor. No. 16 of this survey. Notentia at miste aid?
for	approximately 3,500 feet and to colorly valuable
-org 1	Thence N. 20,30 W. Itos and .gaimrel aviacatai
	Along line 2-1 of H. E. No. 023562, J. J. Gibson. Des-
	cend 25. ft. to ravine. fareafa to soart on wes I
2.65	Ravine, course NE. Ascend SE. slope 25 ft.
4.00	Top of mesa, bears NE. and SW. Continue over mesa.
8.15	Descend NW. slope 25 ft. to cor.
11.95	Arroyo 20 lks. wide, banks 2 ft. high, course NE.
12.70	Cor. No. 1 of this survey, the place of beginning.
.eV	H. H. S. Mo. 74, C. H. Tlayer; on the W. by H.
102,	Note: The sun was obscured at noon, therefore a latitude
	observation was not possible as ; amaillim . T . A
	. February 14, 1914.
	Latitudes, DepasarAes and Closing Brrors.
DUUC	Area of Homestead Entry Survey No. 162.
	Total Area
	Of.E 80.01 dd.Of 100 OVI
	The improvements made upon and for the benefit of this
	homestead and belonging to George W. Graham, the claim
08.8	ant herein, consist of the following:
88.0	A well 4 x 4 x 28 ft. deep, the center of which bears
9.35	S. 53° 15' W. 2.44 chs. dist. from cor. No. 3 of this
9.32	survey.   13.41   value
80.	go
	An adobe dwelling, 33 x 36 ft., the long side of which
	bears NW. and SE. and the W. cor. of which bears S.
The Real Property lies and the last of the	79° 30° E. 138 lks. dist. from cor. No. 6 of this
	Array and Array
THE STATE OF THE PARTY OF THE P	There is also about 1 acre of land cleared.

# HOMESTEAD ENTRY SURVEY NO .162 HMOH

# TOROOK INATIONAL FOREST ARIZONA

Chains		
TOI 0	enote eman ed to eGeneral Description. He area I	lhains
	This claim is situated on Pinal Creek at an elevati	on of
	approximately 3,600 feet and is chiefly valuable	
	intensive farming. The soil is a sandy loam and	
		pro-
	duces any crop raised in the temperate zone.	
	I saw no trace of mineral upon this claim. S base	
	Globe postoffice and Arizona Eastern Railway Statio	
	2 miles in a northerly direction, ed , seem to got	4.00
	Descend MV. slopé 25 ft. to cor.	8.15
	. SI serves , is Conflicts and Adjoining Claims.	38.I.
9	This Homestead Entry is joined on the N. by approve	d 07.8.
	H. E. S. No. 74, C. H. Thayer; on the W. by H. E	. No.
	1023569 M 17 Odhann (m. 1200 C )	100
stitude	023562, T. J. Gibson; on the S. by H. E. S. No.	TODO
atitude		
	A. F. Williams; and on the E. by H. E. S. No. 159	
	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.	
.plel	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.	•
.plet	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing Distance Latitude Departures of Depa	•
. 1914. B	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing . C. Distance Latitude . Depart	•
. 2010.	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing  Departure  N S E  1. 87° 49' E. 3.18  O.12  3.18  D.10  D.00  D	
. Sere	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing  N S E  N S E  N S 1. 87° 49° E. 3.18 O.12 3.18  S. 17° 05° E. 10.55 10.08 3.10 1. 35° 34° E. 3.38 1.91 2.79	•
. Seri	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Searing .201 Distance . Latitude	
. Serial	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing Distance Latitude and to Depart N S E  1. 87° 49' E. 3.18 O.12 3.18  3. 17° 05' E. 10.55 10.08 3.10  3. 55° 34' E. 3.38 1.91 2.79  4. 5° 43' E. 2.53 2.52 0.25  6. 78° 56' W. 8.97 1.72	ture
. Ser	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing .36 Distance of Latitude and to Depart  N S E  1. 87° 49' E. 3.18 O.12 3.18  3. 17° 05' E. 10.55 10.08 3.10  3. 55° 34' E. 3.38 1.91 2.79  10. 50' 43' E. 2.53 2.52 0.25  2. 50' 43' E. 2.53  3. 1.72  3. 18' 56' W. 8.97 1.72	**************************************
. Serial	A. F. Williams; and on the E. by H. E. S. vno. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing .201 Distance . Latitude and to Depart N S	8.80 0.55
. Serial	A. F. Williams; and on the E. by H. E. S. VNo. 159  A. B. Toceo.  Latitudes, Departures and Closing Errors.  Bearing .201 Distance .2 Latitude and to Depart  N S E  1. 870 49' E. 3.18 O.12 3.18  3. 170 05' E. 10.55 10.08 3.10  3. 550 34' E. 3.38 1.91 2.79  1. 50 43' E. 2.53 2.52 0.25  1. 780 56' W. 8.97 1.72  2. 20 30' W. 12.70 12.69  2. 30' W. 12.70 12.69	8.80 0.55 9.35
. Series	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Foceo.  Latitudes, Departures and Closing Errors.  Bearing	8.80 0.55 9.35
B. Series. S. Series.	Latitudes, Departures and Closing Errors.  Bearing .281 Distance . Latitude and to Depart N S E  L. 870 49' E. 3.18 O.12 3.18  S. 170 05' E. 10.55 10.08 3.10  S. 550 34' E. 3.38 1.91 2.79  B. 50 43' E. 2.53 2.52 0.25  And the median of the norm of the median of the series of the median of the series of the median of the series of the se	8.80 0.55 9.35 9.35
. SIGI	Latitudes, Departures and Closing Errors.  Bearing Col Distance of Latitude and to Depart N S E Sold No. 1800 1800 1800 1800 1800 1800 1800 180	8.80 0.55 9.35 9.32
. Section 1. Section 1	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing .201 Distance of voltatitude and to Depart N S E  1. 87° 49° E. 3.18 O.12 3.18  3. 17° 05° E. 10.55 10.08 3.10  3. 55° 34° E. 3.38 1.91 2.79  1. 5° 43° E. 2.53 2.52 0.25  1. 78° 56° W. 8.97 1.72  1. 78° 56° W. 8.97 1.72  1. 2° 30° W. 12.70 12.69  20 30° W. 12.70 12.69  21 31 14.53 14.51 9.32  20 30° W. 12.70 12.69  21 31 14.53 14.51 9.32  21 32 32 32 32 33 33 33 34 35 34 35 35 35 35 35 35 35 35 35 35 35 35 35	8.80 0.55 9.35 9.32
sons sid sand sid sand sand sand sand sand sand sand san	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing .301 Distance . Latitude and to Depart N S E  1. 87° 49' E. 3.18 O.12 3.18  S. 17° 05' E. 10.55 10.08 3.10  S. 55° 34' E. 3.38 1.91 2.79  H. biland odt tot bus nous absorbance of the second of t	
sons sid sand sid sand sand sand sand sand sand sand san	A. F. Williams; and on the E. by H. E. S. No. 159  A. B. Tocco.  Latitudes, Departures and Closing Errors.  Bearing .201 Distance of voltatitude and to Depart N S E  1. 87° 49° E. 3.18 O.12 3.18  3. 17° 05° E. 10.55 10.08 3.10  3. 55° 34° E. 3.38 1.91 2.79  1. 5° 43° E. 2.53 2.52 0.25  1. 78° 56° W. 8.97 1.72  1. 78° 56° W. 8.97 1.72  1. 2° 30° W. 12.70 12.69  20 30° W. 12.70 12.69  21 31 14.53 14.51 9.32  20 30° W. 12.70 12.69  21 31 14.53 14.51 9.32  21 32 32 32 32 33 33 33 34 35 34 35 35 35 35 35 35 35 35 35 35 35 35 35	8.80 0.55 9.35 9.32

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

DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

2. In balancing Latitudes and Departures do not obliterate or change the footing of the original figures, but put below them the corrected figure or figures above in red ink. Do not change the lengths of the lines.

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.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

												7.35 Acres.	4							27	
W. Graham.	S. AREAS.			.95 55	29 36	46.39			171 30	24 21	2)147 09	73 54 =									
George W.	N. AREAS.		28				16 98	6 85	24 21												
. OF	DOUBLE M. D.	-	2 18	9 47	15 37	18 41	9 87	54													
STATE	RES.	West.				2	8 80	55	9 35	933				I I							
NO. 162.	DEPARTURES.	East.	3 18	3 10	2 79	25			9 32	9 33						1					
ENTRY SURVEY	DES.	South.	,	10 08	1 91	2 52			14 51	14 52											
HOMESTEAD EN	LATITUDES.	North.	12				1 72	12 69	14 53	1452			1								
	DISTANCE.		3,18	10.55	3.38	2.53	8.97	12.70	41.31			1:1146.	1								
TABLING AND CALCULATIONS OF	BEABING.		N. 87° 49' E.	S. 17° 05' E.	65° 34	50 431	78°	N. 2° 30' W.				Closing Error.									
S-2349 TABI	CORNEGO																				

Jes.

George W. Grepum.

· 341ft. TorrE Brisolv

- 7.55 Teres.

## APPROVAL

Phoenix, Ari zona,
December 11, 1914
The foregoing field notes of Homestead Entry Survey No.
162
George W. Graham,
executed by Walter G. Turley, Forest Service Surveyor,
under his special instructions, dated January 17, , 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.
chank I Ingalle
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,
II S Surveyor General