9

# U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

### FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 181

SITUATED IN THE

SITGREAVES NATIONAL FOREST

O.K.

ADMINISTRATIVE DISTRICT NO. 3

in

Section = 28; == unsurveyed; Township 12 N., Range 17 H.,

Section 32, unsurveyed, Township 12 N., Range 17 E.,

Section 33, unsurveyed, Township 12 N., Range 17 E.,

of the

Gila and Salt River Base and Meridian.

#### ARIZONA

Survey executed by Walter G. Turley, Survey	veyor - Forest	Service
Under special instructions dated	June 10	1914
Survey commenced	August 3	1914
Survey completed	August 6	1914
Under Acts of June 11, 1906 and June 30,		
wetter to be a second constitution of the second		
Applicant for listing John E. Palm	ner,	
Residence Heber, Application No. 145 dated May 30, Application No. 145(Suppl) dated November 8 List No. 3-906 dated December 12, List No. 3-1300 , dated May 13	Arizona 26 ,	1909, 1910. 1910
Applicant for survey John E. Paln		
Residence Heber,	Arizona	
H. E. No. 014671, dated June 29, 191	1	
Land district Phoenix, Arizona		
		3—2349

#### OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley

Surveyor - Forest Service in surveying all those
parts or portions of Homestead Entry Survey No. 181, in

Waltereyed Section 28 - Foundary 12 No. Range 17 E.,
unsurveyed Section 32 Township 12 No. Range 17 E.,
unsurveyed Section 33, Township 12 No. Range 17 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 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 inconvenient and expensive to appear before an officer to administer the oaths to Assistants, hence, they were taken by the Surveyor.

Charles DHodson Chainman. Charles & Barch & Chainman.

Subscribed and sworn to before me this 12 The day of

Surveyor - Forest Service

#### OATH OF SURVEYOR

#### Service

I, Walter G. Turley, Surveyor - Forest, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated June 10, 19 14, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land upon the application of embraced in Lists No. 3-906 and , No.3-1300 dated December 12, 1910 and May 13, 1911 for PATENT , under the Act of June 11 , 19 06 the same to be known as Homestead Entry Survey No. 181 SITGREAVES National Forest, in situated within the ..... un-serveyed = Section = 28 ;= Township = 12 Na; = Range = = 17 = Ea; and un-serveyed-Section == 29 = = Township 12 N., Range == = 17 E., unsurveyed Section 32, Township 12 N., Range 17 E., unsurveyed Section 33, Township 12 N., Range 17 E. of the G. & S.R.B.& meridian, Arizona 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 and that the following are the original field notes of such survey.

Surveyor - Forest Service

Subscribed and sworn to before me this 16th day of

Movember, 19/4

SEAL.

8-2249

Subscribed and sworn to before me this 16th day of

Movember, 19/4

Seal.

8-2249

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#### STATE OF ARIZONA

Chains

Applicant for listing, John E. Palmer; application No. 145, dated May 30, 1909 and Supplemental Application No. 145, dated November 26, 1910; Lists No. 3-906 and 3-1300, dated December 12, 1910 and May 13, 1911; H. E. No. 014671 embracing List No. 3-906, made in the Phoenix Land Office on June 29, 1911 by John E. Palmer, whose post office address is Heber, Arizona.

Surveyed under Acts of June 11, 1906 and June 30, 1914;
and special instructions from the Surveyor General for
Arizona, dated June 10, 1914 and designated as Homestead Entry Survey No. 181.

Situated in what will probably be, when surveyed, secs.

32 and 33, T. 12 N., R. 17 E., Gila and Salt River

Base and Meridian, within the Sitgreaves National Forest, Arizona.

Survey commenced August 3, 1914, and executed with a W.
and L. E. Gurley light mountain transit No. 12953,
provided with prism eye piece, stadia wires, vertical
circle and Burt solar attachment. The horizontal
limb of the transit has two double verniers placed
opposite to each other and graduated to single minutes
of arc, which is also the graduation upon the verniers

I test the adjustments of the transit and solar attachment, and make necessary corrections. The stadia wire

. of the latitude and declination arcs.

interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from measurements made directly on the slope with a standard

in the ground 5.00 cas. H. of my station.

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#### STATE OF ARIZONA

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Chains 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer, the vernier of which reads to degrees, and a Philadelphia stadia rod, graduated to feet and hundredths, provided with two targets, the verniers of which read to thousandths of a foot. Phoenix Land Office on June

whose post office address is Hel

August 3, 1914.

John H. Palmer,

I set up my transit over cor. H-11 of List No. 3-920, which is a pine post 4 ins. dia. and 24 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 8h. 00m. p.m. l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. 1.m.t. obsn., August 2, 1914, 32h. 00.0m. Astron. 1.m.t. U.C. Pol., Aug. 2, 1914, 16h. 44.1m. Hour angle Pol. at obsn., 15h. 15.9m. laoittev , ser

Is mostro Time argument, stos trus bas efert 8h. 40.2m.

reteinrev edt noon neitenbern

be belg an el Azimuth Pol. at obsn. 10 03' 18" E.

Lat. 34° 23' 32" N., Long. 110° 33' 52" W.

With my transit set up over cor. H-11 of List No. - 3-920, heretofore described, and the telescope reer is seversed in altitude and azimuth, at 8h. 12m. p.m., 1.m.t., on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

#### STATE OF ARIZONA

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Astron. 1.m.t., obsn., Aug. 2,1914 32h. 12.0m. Astron. 1.m.t., U. C. Pol., Aug. 2, 1914 16h. 44.lm. Hour angle Pol. at obsn. 15h. 27.9m. e sat mort neast .. H 81 23h. 56.lm. Time argument

. . M "IS Surveyor General Azimuth of Pol. at obsn. o 53' 53' W. Long. at Cor. No. 1 of this

is located upor

1º 06' 00" E.

no noon inerange is berusedo saw nus enT .vevrus

August 6, 1914, therefore a latitude August 4, 1914.

was not possible. I turn off 1° 03', the azimuth of Polaris, to the W. from her direction at 8h. 00m., p.m., 1.m.t., August 3, 1914, and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of observe the magnetic declination at my station.

survey to be las 50' E I also turn off 1º 06', the azimuth of Polaris, to the W. from her direction at 8h. 12m., p.m., 1.m.t., on the same date: and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. This line falls 0° 00' 54" of measured arc to the W. of the line previously estabto U. S. I. M. No. 180 H. E. S., which lished.

August 4 1914 I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

Note: The sun has been obscured during working hours and Polaris also therefore it has not been possible to check this meridian observation since August 3, 1914. Cor. H-11 of List No. 3-920, which is now Cor. No. 5 of H. E. S. No. 180 bears S. 0º 16' W. 4.95 chs. dist. from Cor. H-4 of List No. 3-906, which will be Cor. 7 in. pine scribe 

August 4, 1914

#### STATE OF ARIZONA

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1914.

August 6. 1914.

34° 24' 13" N., Lat. and 110° 29' 45" W., Long., at Cor. of Secs. 25, 30, 31 and 36, T. 12 N., Rs. 17 and 18 E., taken from the special instructions of the Surveyor General, which gives 34° 24' 21" N., Lat., and 110° 33' 51" W., Long., at Cor. No. 1 of this survey. The sun was obscured at apparent noon on August 6, 1914, therefore a latitude observation was not possible.

.noitsA

turn off le 05'. the azimu On August 3, 1914, I compared my watch by telephone with August the standard 105 meridian telegraphic clock and found it correct. I subtract 22m. 15s. therefrom for 1.m.t. I observe the magnetic declination at Cor. No. 1 of this survey to be 14° 50' E., at 8h. 10m., a.m., 1.m.t., August 6, 1914, which gives a mean magnetic declina-W. from her direction at 8h. tion of 14° 46' E.

drem bas : etab emse ent no

There is no corner of the public land survey within two miles of this claim, therefore this claim is tied to U. S. L. M. No. 180 H. E. S., which I established on August 4, 1914, and is located upon a prominent point near what will probably be, when surveyed, the NE. corner of Sec. 33. T. 12 N., R. 17 E., Gila and Salt River Base and Meridian, approximately 17.00 chs. north of the main E. and W. wagon road. cross (+) chiseled at the point and U. S. L. M. No. hours and 180 H. E. S. on the NW. face of an imbedded limestone 8 x 7 x 4 ft. above ground, with a mound of stone 6 ft. base, 4 ft. high S. of cor. from which

A 7 in. pine scribed U S L M No. 180 H E S + B T W. 4.95 chs. disty bears N. 14° 00' E. 25 1ks.

will be Cor. A 7 in. pine scribed U S L M No. 180 H E S + B T bears N. 81° 25' E. 17 1ks.

Jean J

August 4. 1914

STATE OF TARIZONA Chains An 18 in. pine scribed US.LM No. 180 HES + BT . saf def bears N. 849 50 W. 43 lks. 81 An 18 in. pine scribed US-L M No. 180 H ES + B T . MI 80 bears N. 600 15 W. 71 1ks. 81 S. 80° 55' W. 2.98 chs. to cor. No. 1, H. E. S. No. 180. Thence S. Oo l6' W.

Descend gentle S. slope 10 ft.181 .oun.

one ... S. 34° 00' E. 34.52 chs. to cor. No. 1, H. E. S. .. cease descending and asce. 246. e. one alope 5 ft.

34° 23' 52" Lat. and 110° 331 19" W., Long., d. eniq s at doinw scaled from the Atlas sheet. Isoldaebl

Note; This section of country, is a high mesa covered . with timber, therefore no prominent natural objects . are visible from any point in this vicinity. 2 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins

Thence N. 659 25; W.V ni .ani dl fi fisogob bas

and By direct measurement on a random for a tie 44.45 . To Cor. (No. 11.H-S bas taioq ent te (+) belesino

Identical with cor. Hel of List No. 3-906, which is a limestone 10 x 5 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses and for cor. No. 1 of this survey, I chisel 1-HES181 on the SW. face of the sandstone 18 x 16 x 10 ins. above ground which I previously set for cor. No. 6 of H. E. S. No. 180 and is chiseled (+) at the point and 6-HES180 on the SSE. face with pits 24 x 24 x 12 ins. crosswise on line west, south and S. 379 21' E. . 8. ft. dist. with a no base, 2 ft. high SSE. of cor. mort .from which agin .tl & .easd .th & atree

### STATE OF ARIZONA

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E + E H OSI A 30 in. pine scribed 6 H.E.S 180 and 1 H E S 181 + B T hears S. 75° 26' E. 195 1ks.

E H OSI A 30 in. pine scribed 6 H E S 180 and 1 H E S 181 + B T bears N. 65° 57' W. 98 1ks.

S. 80° 55' W. 2.98 che. to co

Thence S. 0° 16' W.

.2 .Along line 6-5 of H. E. S. No. 180 also wire fence. Descend gentle S. slope 10 ft. in open.

No. 180.

29.11 Wire fence cor. from which the fence bears N., S., and W., cease descending and ascend gentle N. slope 5 ft.

44.15 To Cor, No. 2532 OIL BRB . 181 388 182 48

Identical with cor. H-4 of List 3-906 which is a pine post 4 ins. dia., and 24 ins. above ground; marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses, and for cor. No. 2 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 15 ins. in the ground, over which I set a sandstone 25 x 14 x 5 ins., 15 ins. in the ground chiseled (+) at the point and 2-HES181 on the NW. face and dig pits crosswise on this and the succeeding course 8 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NW. of cor. from which

An 8 in. pine scribed 2 H E S 181 + B T to coal .Wa elbears N. 1119 371 W. 264 1ks. We sind to

I do law back 24 in. pine scribed 2 H E S 181 + B T has del .on .a bears S.o 61° 22'. E.o 451 lks. The diverg

.HEZ ent no Cor. No. 5 of H. E. S. No. 180 bears S. 00 16' er II no sei W. 4.95. chs. dist. and is a sandstone 15 x 8 x ddiw at 10 ins. above ground with pits crosswise on . line E. and N. of cor. 7 ft. dist. and mound of earth 4 ft. base, 2 ft. high NE. of cor. from

which

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A 10 in. pine scribed 5 H E S 180 + B T which is bears S. 36° 14' W. 408 lks.

erked and wit-A 7 in. juniper scribed 5 H E S 180 + B T .901 bears S. 60° 06' E., 272 lks. sint to 4 .0H . Too Tot and sessentiw sti and 4-H . Too

> of a s no (+) Leafno I vovida Thence N. 89° 53' W.

> Over bottom in open along wire fence Wire fence bears N. . sni OI x OI x AS enotebnes

0.60

Wire fence bears W. and N. continue along wire fence. 3.01 To Cor. No. 3.

23.86

this and the succeeding course 3. Identical with cor. H-3 of List 3-906 which is a pine post 4 ins. dia. and 24 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses and for cor. No. 3 of this 8 S. 46° 54' survey I chisel (+) on a stone 4 x 3 x 2 ins. and pine seribed deposit it 18 ins. in the ground over which I set a sandstone 28 x 18 x 8 ins. 18 ins. in the ground chiseled (+) at the point and 3-HES181 on the NE. face and dig pits 24 x 24 x 12 ins. crosswise on this and. the succeeding course 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NE. of cor. from which

18.91 To Cor. No. 5 A 22 in. pine scribed 3 H E S 181 + B T bears N. 82° 35' W., 78 lks.

1 10 in. pine scribed 3 H E S 181 + B T bears S. 45° 49' W., 77 lks. witnessed as described destroy cor. H-5 and its witnesses, and for cor. No.

Thence N. 20° 25° W.

Along wire fence, over bottom in edge of scattering pine timber. 16 x 18 x 16 the ground

18.51 To Cor. No. 4.

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#### SITGREAVES NATIONAL FOREST

#### STATE OF ARIZONA

Chains

A 10 in. pine scribed 5 H E Identical with cor. H-4 of List 3-1300 which is a sandstone 6 x 6 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses and for cor. No. 4 of this survey I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground over which I set a sandstone 24 x 10 x 10 ins., 14 ins. in the ground, chiseled (+) at the point and 4-HES181 on the NE. .enne face and dig pits 24 x 24 x 12 ins. crosswise on 38.88 this and the succeeding course 3-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NE. of cor. from which, Witnessed as described by rotteeb I

A 30 in. pine scribed 4 H E S 181 + B T bears S. 46° 54' W. 10 lks.

A 22 in. pine scribed 4 H E S 181 + B T bears S. 85° 19° E. 48 lks.
bruorg end mi .ani 81 .ani 8 x 81 x 88 enotabnsa a

pus jurod eug 18 (+) peres

Thence N. 89º 24' W.

and dig pits 24 x 24 x 12 ins. crossw Leave List 3-906 and enter List 3-1300.

Along wire fence over bottom in scattering pine n d it. base, 2 it. high NH. of cor timber.

18.91 To Cor. No. 5.

essi

Identical with cor. H-3 of List 3-1300 which is a sandstone 12 x 10 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses, and for cor. No.

A 22 in. pine scribed 5 H E

5 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins. and deposit it 16 ins. in the ground over which I set a sandstone 26 x 18 x 10 ins. 16 ins. in the ground chiseled (+) at the point and 5-HES181 on the NE. face

#### STATE OF ARIZONA

Chains

and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. NE. of cor. rg evods .ani d from which

witnessed as described by the Fore A 16 in. pine scribed 5 H E S 181 + B T bears S. 62° 30' E. 90 1ks.

A 20 in. pine scribed 5 H E S 181 + B T bears S. 37° 53' W. 76 1ks.

entroled (+) at the point and Thence N. O. 30' E.

race and dig pite 24 x 24 x Along wire fence over bottom in scattering pine the succeeding course 5-1/2 ft. dis timber. a mound of earth 4 ft. base, 2 ft. high SH. of core mound of on .00 or

s sandstone 24 x 10 x 6 ins., 14 ins. in the ground

10.00

enid

from which Identical with cor. H-2 of List 3-1300 which is a sandstone 14 x 10 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses and for cor. No. 6 of this survey I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground, over which I set a sandstone 24 x 18 x 6 ins. chiseled (+) at the point and 6-HES181 on the SE. face and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high SE. of cor. from which 17.85 To Cor. M

A 30 in. pine scribed 6 H E S 181 + B T bears S. 76° 39' E. 114 1ks. stone 12 x

A 24 in. pine scribed 6 H E S 181 + B T bears N. 44° 10' E. 79 1ks. sint to 8 .ou .ros

Thence S. 89° 33' E.

deposit it le ins. in the gro Along wire fence over bottom in scattering pine timber.

#### STATE OF ARIZONA

Chains

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15.04

To Cor. No. 7.

Identical with cor. H-1 of List 3-1300 which is a sandstone 10 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses and for cor. No. 7 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground, over which I set a sandstone 24 x 10 x 6 ins., 14 ins. in the ground chiseled (+) at the point and 7-HES181 on the SE. face and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 3-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high SE. of cor. from which

A 24 in. pine scribed 7 H E S 181 + B T bears N. 10° 45° E., 124 1ks.

A 20 in. pine scribed 7 H E S 181 + B T bears N. 67° 33° W. 48 lks.

Note: This cor. is on line H-3 to H-2 of List 3-906.

Thence N. 20° 25' W.

Leave List 3-1300 and enter List 3-906.

Along wire fence over bottom land in scattering pine

17.85 To Cor. No. 8.

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sceeding

. 0

stone 12 x 5 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy
cor. H-2 and its witnesses and for cor. No. 8 of this
survey I chisel (+) on a stone 4 x 3 x 3 ins. and
deposit it 16 ins. in the ground over which I set a

30 in. pine scribed 6 H

timber.

#### STATE OF ARIZONA

	Chains sandstone 26 x 16 x 8 ins., 16 ins. in the ground.
	o. chiseled (+) at the point and 8-HES181 on the SE.
	face and dig pits 24 x 24 x 12 ins. crosswise on this
	and the succeeding course 8 ft. dist. and raise a
	. mound of earth 4. ft base, 2 ft. high SE. of cor.
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	A 20 in. pine scribed 8 H E S 181 + B T
	.Too .Ha edibears.S. 70 39 E. D224 1ks. is good edi
	moti . Jak An 18 in. pine scribed 8 HES 181 + BT
	bears N. 11°.02° W. 140 1ks
	Value 3750.00
	a to Thence S. 89° 55' E telb . edo OS. V . W 'OS 'VS . M
	Along line H-2 to H-1 of List 3-906 and wire fence.
	.g. Ascend gentle S. slope 5.ft. in open
	40.53 To Cor. No. 1, the place of beginning. betamited
	Velue \$150.00
	Approximately 3 miles ARRA re renorms.
	00. Total Area sulsy 159.12 Acres
	Approximately 68 acres of cultivated land.
*	IMPROVEMENTS
	TMPROVEMENTS
	IMPROVEMENTS  The improvements made upon this homestead consist of the
	The improvements made upon this homestead consist of the mollogifollowing: gols . Head no belaudie at mislo side
	The improvements made upon this homestead consist of the confollowing: The description of the A log milk house 16 x 16 ft., the long side extending
	The improvements made upon this homestead consist of the following: Quie . M and no because a middle start.  A log milk house 16 x 16 ft., the long side extending  E. and W., and the SE. cor. of which bears N. 57.
	IMPROVEMENTS  The improvements made upon this homestead consist of the following: A log milk house 16 x 16 ft., the long side extending  E. and W., and the SE. cor. of which bears N. 57°  OO' W., 2.52 chs. dist. from cor. No. 2. of this
	The improvements made upon this homestead consist of the molios following: gold . M and no bestautic at micele and . A log milk house 16 x 16 ft., the long side extending ent of E. and W., and the SE. cor. of which bears N. 57° 00° W., 2.52 chs. dist. from cor. No. 2. of this being survey. Seert were abre beredult at notices and seeding seeding oldsenon to redsw declarate value vius and ni \$75.00
	The improvements made upon this homestead consist of the nollowing: gold . Head no bedautic similar and and a log milk house 16 x 16 ft., the long side extending E. and W., and the SE. cor. of which bears N. 57° 00' W., 2.52 chs. dist. from cor. No. 2. of this bedauty. Sent well a bar beredmit at nollows and

one end one-helf miles east of this homestead.

### STATE OF ARIZONA

Chains

. 5. 74 chs. dist. from cor. No. 2 of this survey.

. 12 ent no falant-a bns trivalue ts (+) belesin\$250.00

A log barn 45 x 20 ft., the long side extending E. and W. and the SE. cor. of which bears N. 33° 00' W.,

3.50 chs. dist. from cor. No. 2 of this survey.

Value foldw mon \$350.00

A one and one-half story frame dwelling 20 x 16 ft., the long side extending E. and W. and the SE. cor. of which bears N. 799 10' W., 6.72 chs. dist. from cor. No. 2 of this survey.

Value

\$750.00

N. 37° 30' W. 7.20 chs. dist. to the center point of a reservoir embankment 4 ft. high, which extends 2.00 chs. S. and 2.45 chs. W. from the point of bearing.

Estimated capacity 1/2 acre feet.

Value

\$150.00

Approximately 3 miles of wire fencing.

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Value

BerA Lat \$300.00

Approximately 62 acres of cultivated land.

The improvement NOTIPE THE THE COMESTAGE CONSIST OF

This claim is situated on the N. slope of the Mogollon

Mesa at an elevation of approximately 6,500 ft. and

occupies a tract of bottom land sloping gently to the

eastward.

This section is timbered and a few trees are included
in this survey. Sufficient water for domestic purposes
and for stock is impounded in small reservoirs or
hauled from Pierce Seep, a perennial spring about
one and one-half miles east of this homestead.

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The soil is a clay loam and produces the ordinary crops of the temperate zone without irrigation, but is best adapted to the small grains, beans, and sorghums, good crops of which have been raised.

This section is not reported to be mineralized and no townsites, mining, coal or oil claims are known to have been located in this vicinity.

Homestead Entry Survey No. 180 adjoins this claim on the East. Line 6-5 of H. E. S. No. 180 lies along line 1-2 of this survey, cors. 6 and 1 being identical. There are no conflicts.

Heber postoffice is 5 miles by wagon road in a northwesterly direction. Holbrook railway station is 55 miles by wagon road in a northeasterly direction.

August 6, 1914.

		TR	AVERSE			
cor.	Course	Dist.	N.	s.	E.	W.
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-1	S. 0° 16' W. N.89° 53' W. N.20° 25' W. N.89° 24' W. N. 0° 30' E. S.89° 33' E. N.20° 25' W. S.89° 55' E.	44.15 23.86 18.51 18.91 10.00 15.04 17.85 40.53	0.05 17.35 0.20 10.00	0.12	0.09 15.04 40.53	0.20 23.86 6.46 18.91
	in Lat. and 1	188.85 Dep.	44.33 44.33 0.00	44.35	55.66 55.66 0.00	55.66

Surveyor- Forest Service.

### NATIONAL FOREST

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best s	1, but i	rigation	thout to	zone w	the temperate	of
boog ,	sorgium	ins, and	ting, bes	nall gra	spied to the s	Sá.
			raised.	ave beer	ops of which h	cri
on	ns åesi.	mineral	ed of be	troger d	section is no	This
	nwown	re amisi:	or oil o	g, coal	msites, minin	tot
		.vdint	this vic	ai beds	have been los	00
no	a claim	int anio	180 adj	rvey No.	tead Entry Su:	Homes
ng	lies slo	No. 180	.e .u.	e fo d-a	East. Line	old
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Surveyor- Forest Service.

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#### STATE OF ARIZONA

Chains

Detailed Computations.

34° 24' 13" N. Lat., at cor. to secs. 25, 30, 31 and 36, T. 12 N., Rs. 17 and 18 E., taken from the special instructions of the Surveyor General.

 $\frac{12.00}{80.00} \times 0.871 = 0.13063 = 07.84$ 

0° 00' 08"
34° 24' 21" N., Lat. at cor. No. 1 of this survey.

110° 29' 45" W., Long. at cor. to secs. 25, 30, 31 and 36, T. 12 N., Rs. 17 and 18 E., taken from the special instructions of the Surveyor General.

0° 04' 06" 110° 33' 51" W., Long. at cor. No. 1 of this survey.

 $312.00 \times \frac{378.06}{480.00} = 245.74$ , Westing.

110° 33' 51" W., Long. = 7h. 22m. 15s. of time.

Polaris obsn. August 3, 1914, at 8h. 00m. p.m. 1.m.t., cor. No. 5, H. E. S. 180, telescope direct.

4h. 45.3m. a.m., Greenwich m.t., U.C. Pol., Aug. 3, 1914.
Ol.2m.
4h. 44.1m. a.m., 1.m.t. U.C. Pol., August 3, 1914

16h. 44.lm. astron. 1.m.t. U. C. Rd. August 2, 1914. 32h. 00.0m. astron. 1.m.t. obsn., August 2, 1914. 15h. 15.9m., Hour angle Pol. at obsn. 23h. 56.lm. 8h. 40.2m., time argument.

88° 50' 45.9", decl. Pol., August 3, 1914.

Interpolate in G. L. O. Ephemeris,  $\frac{7.6}{7.8} \times 1.8 = 1.8$ 63.3', Azimuth. 1° 03' 18" E., Azimuth Pol. at obsn.

Polaris obsn. August 3, 1914, at 8h. 12m. p.m., 1.m.t., cor. No. 5, H. E. S. 180, telescope reversed in altitude and azimuth.

4h. 45.3m. a.m., Greenwich m.t. U.C. Pol., Aug. 3, 1914.

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4h. 44.1m. a.m., 1.m.t. U.C. Pol., August 3, 1914.

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88° 50' 45.9", decl. Pol., August 3, 1914.

Interpolate in G. L. O. Ephemeris,  $\frac{40}{84}$  x 1.8 = 0.9 66.0 Azimuth. 1° 06' 00" E., Azimuth Pol. at obsn.

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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.

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 figure or figures above in red ink. Do not change the footing 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.

3. In calculations of fallings take result to nearest link. In calculations of the Surveyor General, and the Commissioner.

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

John E. Palmer-Sitgreaves I 83 50 17 8 S. AREAS. 4355 5 4361 1178 3182 159 78 26 06 020 69 Area N. AREAS. 768 50 0 402 1178 AR IZO NA D. 09 28 03 60 22 99 33 16 DOUBLE M. 18 15 58 0 24 STATE OF 20 23 86 55 66 6 WEST. 55.66 DEPARTURES. 23 18 9 0 9 TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. ...... 181 53 60 40 55.66 EAST. 15 40 0 15 90 44 33 44.33 SOUTH. 44 0 0 LATITUDES 05 35 20 00 33 44.33 NORTH. ## 10 16 0 0 188.85 23.86 44.15 10.00 15.04 17.85 40.53 18.51 18.91 DISTANCE Closing Error 1:000 W. -S.89° 33' E. B H H 30 241 N.20° 25' 55 S. 0º 16' N.89° 53' N.20° 25' BEARING. N.89° N. 00 5.890 1-2 5-6 3-4 4-9 7-8 8-1 CORNERS 90-45° 8 686 93918 8-2349 39700

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#### APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 12, 1916.

The foregoing field notes of Homestead Entry Survey No.

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executed by Walter G. Turley, Surveyor-Forest Service [Forest Service Title.] under his special instructions, dated June 10, , 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described survey in the State of Arizona, , has been correctly copied from the original notes on file in this office.

Frank P. Trott,
U. S. Surveyor General.

8-2349