U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

lin. 1- 1911

MAI. 24. 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 422

SITUATED IN THE

TONTO

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 28 , unsurveyed, Township $11\ N_{\bullet}$, Range $11\ E_{\bullet}$

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing W. S. Lazear,

Residence

Payson, Arizona

215 Application No.

, dated

April 14

, 1910

List No.

3-632

, dated

August 17

, 1910

Applicant for survey

Floyd Lockwood,

Residence

Payson, Arizona

H. E. No. Office

Survey executed by R. P. A. Johnson,

, dated

May 29 Feb. 19

, 1911 Rel. Feb. 3, 1917 1917, Roy Lockwood.

Land District

Phoenix, Arizona

Surveyor - Draftsman
[Forest Service Title.]

Under special instructions dated

September 23, 19 15

Survey commenced

April 26

, 1916

Survey completed

, 19 16

April 29

Under Acts of June 11, 1906 and March 4, 1915

[OVER]

OATH OF ASSISTANTS
COP 1 D
We hereby certify that we assisted J. H. Johnson in surveying all those
Surveyor Straffeman in surveying all those
parts or partians of Homestead Entry Survey No. 427 , in the State
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
halief well and faithfully surveyed, and the corner monuments estab-
lished, according to the instructions furnished by the United States Surveyor General for Angena
Surveyor General 101 Amon a
, 97/
Note: It would have been Melson Henniam Chainman
very expensive and incon- venient to appear before an
officer to administer oaths
to Assistants; hence, they Senter Rewer, Chainman
were taken by the Surveyor.
. no initial time agos warm, and the same of the same
Subscribed and sworn to before me this twenty Seventh day of
May , 1916. P. F. f.
J. J. Amson
Surveyor Drastoman
OATH OF SURVEYOR
I, P. A. Johnson Durveyor Fraktsman
do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for the Worker, dated
1. It - 23 19/5 . and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract of land embraced in
List, No. 3-632, dated Inquit 17, 1910, for
hatente under the Act of kine 11, 1906,
the same to be known as Homestead Entry Survey No. 422, situated within the National Forest, in
Wearveyed Section 28 . Township ///v. , Range // Z , and
- surveyed Section , Township , Range ,
De Defe District
of the Gila and Salt Given Passaufmeridian, Airona, 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 perpetuated in strict accordance with the stated special instructions, and in the specific manner described in the field
notes, and that the following are the original field notes of such
DISTRICT OF COLUMBIA
DISTRICT OF STANSFINGTON J. J. Jhnson
CITY OF WASHINGTON . Thurson
[Forest Service Title,]
Subscribed and sworn to before me this Selection day of
January , 1917. Sulvester L. M. Laurin
REFERENCE DO
SEAL. (A) OTARY PUBLIC, D. STARY PUBLIC
Commission expires
June 20, 1918.

25

STATE OF TARIZONATATE

Chains

002 188

. 61

Applicant for listing, W. S. Lazear; Application No. 215. dated April 14, 1910; List No. 3-632, dated August 17. 1910; H. E. 014466, made in the Phoenix Land Office on May 29, 1911 by Floyd Lockwood.

The listing in this case was made by legal subdivisions in a Township which was never legally surveyed and no attempt was made to locate original list lines on the ground. This survey is in the nature of a cooperative survey and will be used as a basis for amendatory listing and entry. The administration of

Township 11 N., R. 11 E. was surveyed under contract No. 116 by U. S. Deputy Surveyors, Campbell and Oakes, dated April 18, 1904. The east boundary and subdivisions were finally rejected on January 8, 1909. retracement of portions of the south and west boundaries under this contract were accepted on same date. Surveyed under special instructions from the Surveyor

General for Arizona, dated September 23, 1915 and designated as Homestead Entry Survey No. 422.

Situated in what will probably be, when surveyed, sec. 28, T. 11 N., R. 11 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, described. The reading on the meridian

Survey commenced April 26, 1916 and executed with a Buff and Buff transit No. 10019, equipped with Smith solar attachment.

I test the adjustments of the transit and make necessary le' so' W. Long. corrections.

All distances are horizontal and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a

Bh. Bam. Abs.

8h. 25m. 27s. 80° 39' 00" 87° 59' 00"

-alvibor

ete.

-eb bn

sec.

STATE OF ARIZONA TATE

Chains Applicant for listing, W. S. Lazear: aninon Chains dated april 14, 1910; List No. 3-632. dated august 17. 1910: H. L. Oldebo, made in the . 61011, 62 Lirga Tice on At 3h. 10m. p.m., 1.m.t., I set off 34° 16' on the Lat. arc, 13° 39' N. on decl. arc, and determine a meridian on and bewith the solar at cor. No. 1, hereinafter described.

end no so the reading on the meridian thus obtained is set at vider czeroland the altitude of the sun is observed for valuazimuth. The sun was observed in the upper left and lower right quadrants of the field. My watch is set for local mean time. . I II . H . H II qidenwol

> Lat. 34° 16' N., Long. 111° 13' 43" W., from special instructions from the Surveyor General, and later veriions were finally rejected on January 8. bei?

Telescope Time Time Horizontal Telescope Angle contract were accepted on same 39° 35' 30" 78° 56' 00" 3h. 20m. 18s. Direct Reverse 3h. 21m. 26s. 78° 27' 30" 40° 06' 00" Difference from solar meridian, 0° 01' 47".

April 27, 1916.

At 8h. 15m. a.m., 1.m.t., I set off 34° 16-1/2' on Lat. arc, 13° 52-1/2' N. on decl. arc, and determine a meridian with the solar at cor. No. 8, hereinafter described. The reading on the meridian thus obtained is set at zero and the altitude of the sun is observed for azimuth. The sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. necessary

Lat 34° 16' 30" N. Long. 111° 13' 27" W., from special instructions from the Surveyor General, and later All distances are horizonts verified.

erified.

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Horizontal Vertical

Angle Telescope 80° 09" 30" 38 Angle 38° 19' 00" Direct 8h. 24m. 25s. Reverse 8h. 25m. 27s. 80° 39' 00" 37° 59' 00"

STATE OF ARTZONA

		STATE OF ARIZONA
-	Chains	Difference from solar meridian, 0° 01' 33"
	.isioska	THE SAP IST BOTH, TORE, TIPE AND AND WELL FROM
		estel one from the SHTeyor Conorca and late
		At 2h. 10m. p.m., l.m.t., I set off 34° 16' on Lat. arc,
	. 14°	13° 57' N. on decl. arc, and determine a meridian with
		the solar at cor. No. 1, hereinafter described.
The second second	f. are,	Thence South. To Jes I m.o .moo .d8 da
	ridian	On Tandomotienline.s . 2005 no . M. 'S\f-ff 9NF
	30.11	Fall 9 lks. West of 1/4 sec. cor. bet. secs. 28 and 33
		of rejected survey of T. 11 N., R. 11 E.; in accord-
		ance with special instruction from the Surveyor Gen-
-	Haund	eral, I destroy all trace of this rejected cor.
	110.34	1/4 sec. cor. bet. secs. 33 and 4, Ts. 10 and 11 N.,
		R. 11 E., which is a granite stone 8 x 5 x 6 ins.
	doids n	above ground, marked and witnessed as described by
1		the Surveyor General. As enous etempre a tea

BOUNDARIES OF CLAIM

Return course North, 110.34 chs. dist.

Beginning at cor. No. 1.

Identical with cor. No. 1, H. E. S. 421 which is a conglomerate stone 8 x 5 x 10 ins. above ground, marked 1 - H E S 421 on NE. face, with mound of stone NE. of cor. I mark same stone 1 - H E S 422 on NW. face for cor. No. 1 of this survey, whence:

> A juniper, 14 ins. dia., bears S. 4° 30' E., 65 1ks. dist., scribed 1 H E S 422 + B T.

A juniper, 8 ins. dia., bears N. 85° 45' W., 55 lks. dist., scribed 1 H E S 422 + B T.

A juniper, 34 ins. dia., bears N. 82° 40' E., 42 lks. dist., scribed 1 H E S 421 + B T.

A juniper, 6 ins. dia., bears N. 6° W., 160

HOMESTEAD ENTRY SURVEY NO. 422

TONTO NATIONAL FOREST

STATE OF ARIZONA.

		STATE OF ARTZONA.	
Cha	ins	lks. dist., scribed 1 H E S 421 + B T.	
	an contract of the same	Lat. 34° 15' 53" N., Long. 111° 13' 43" W., from special	
		instructions from the Surveyor General and later	
ro,	8	of verified. The tealt.m.f .m.g .mcc.ns.fl	
ndi	W IIS	Mag. Var. at 8.00 a.m., 14° 20' E. Mean Mag. Var. 14°	
		the soler at cor. No. 1, hereinsafter descripted.	
		At 8h. 00m. a.m., 1.m.t., I set off 34° 16' on Lat. arc,	
		14° 11-1/2' N. on decl. arc, and determine a meridian	
3	E ba	with the solar at cor. No. 1.	
-	bros	Thence West. A . M II . T do vevida he doe for to	
	nsl	Ascend 15 ft. in scattered brush to bench.	
1	.50	Top ascent. Thence over level land in scattered brush	
		110.54 1/4 sec. cor. bet. cccs. 33 and 4, Ts ros not ll	
10	.00	To cor. No. 2.012 edinara a ai deidw Il . E	
	Vd.	Deposit broken glass 14 ins. in the ground, over which	
		set a granite stone 24 x 10 x 10 ins., chiseled + for	
		the point and 2- H E S 422 on NE. face; and raise a	
		mound of stone 3 ft. base, 2 ft. high NE. of cor.,	
		whence: MIAIO TO SHIRACHUOT	
		A pinon, 6 ins. dia., bears N. 53° 15' W.,	
		79 1ks. dist., scribed 2 H E S 422 + B T.	
		An oak, 6 ins. dia., bears N. 28° 10' E.,	
-XT.	em ,	64 lks. dist., scribed 2 H E S 422 * B T.	
. 3	l on	ed 1 - H E S 421 on MF. fece, with norms of sto	
9	ost	Thence North I enote ense with I . 100 to	
		Over level land in brush.	
	5.80	Road, bears NW. and SE. and Al	
(5.10	Telephone line, bears NW. and SE.	
(6.55		
10	0.00	To cor. No. 3.1 Sedites tais .axf &d	
	E	Dopoda v sa	
		set a granite stone 24 x 10 x 8 ins., chiseled * for	

the point and 3 - H E S 422 on NE. face; and raise a

3-2349

STATE OF ARIZONATATE

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

A juniper, 22 ins. dia., bears N. 10° 30' W.,

56 lks. dist., scribed 3 H E S 422 + B T.

A juniper, 26 ins. dia., bears S. 52° 45' W.,

127 lks. dist., scribed 3 H E S 422 + B T.

Mence, bears Mis. and SW.

To cor. No. 6.

.arei .es itana

Thence West.

Over level land in brush.

4.84 Fence, bears NW. and SE. 1 assig newford fragge

9,06 To cor. No. 4.1 8 x 8 x An enois etimera e tes

Deposit broken glass 16 ins. in the ground, over which set a granite stone 26 x 16 x 3 ins., chiseled + for the point and 4 - H E S 422 on NE. face; and raise a mound of stone 2 ft. base, -1-1/2 ft. high NE. of cor. whence:

January 6 ins. dia., bears N. 70° 23' W.,

January 1. Seribed 4 H.E.S 422 + B.T.

An oak, 4 ins. dia., bears N. 54° 27' E., 105

Alei 1ks. dist., scribed 4 H.E.S 422 + B.T.

Thence North.

9.70 Fence, bears NE. and SW. Descend gentle slope 10 ft. to cor. in brush.

20.00 To cor. No. 5. corre of daund hi . J. Of bnoosed

Deposit broken glass 10 ins. in the ground, over which set a granite stone 18 x 10 x 8 ins. (no longer stone available), chiseled + for the point and 5 - H E S 422 on SE. face; dig pits 24 x 24 x 12 ins. crosswise on claim lines 7 ft. dist.; and raise a mound of earth 4 ft. base, 3 ft. high SE. of cor., whence:

2210

STATE OF ARIZONA.

Chains

A juniper, 10 ins. dia., bears S. 39° 45' E., 70 lks. dist., scribed 5 H E S 422 + B T. A juniper, 5 ins. dia., bears S. 30° 59' W., 110 lks dist., scribed 5 H E S 422 + B T.

Thence East. H & bedires . Jain . and VSI

Ascend 10 ft. in brush to cor.

Fence, bears NE. and SW.

ing. dis., beare S. 52° 45' W.,

10.00 To cor. No. 6.

Deposit broken glass 14 ins. in the ground, over which set a granite stone 24 x 8 x 8 ins., chiseled + for the point and 6 - H E S 422 on SE. face; dig pits 24 x 24 x 12 ins. crosswise on claim lines 3 ft. dist. and raise a mound of earth 4 ft. base, 3 ft. high SE: of cor.; whence: I & eners to fine

Over level dand in brush.

A juniper, 8 ins. dia., bears N. 43° 23' E., 57 lks. dist., scribed 6 H E S 422 + B T. A juniper, 12 ins. dia., bears S. 32° 21' E., 76 lks. dist., scribed 6 H E S 422 + B T. .T & + SSA & E H A Deditos .. April 28, 1916.

Thence Worth.

April 29, 1916.

At 7h. 40m. a.m., 1.m.t., I set off 34° 16-1/2' on Lat. arc, 14° 30' N. on decl arc, and determine a meridian with the solar at cor. No. 6. to cer. in brush. Thence North.

Descend 10 ft. in brush to arroyo. . The off 00.03

Fence bears NE. and SW. 1 88819 Associations of 5.43

Arroyo, 40 lks. wide, 10 ft. deep, course SW. Ascend 6.83 10 ft. to cor. in brush. elected , (elections

4 ft. base. 3 ft. high SH. of cor., whence:

To cor. No. 7. x As asig gib ; eset . Es no ssa 10.00

Deposit broken glass 36ins. in the ground, over which

STATE OF ARIZONA.

Chains	set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins. marked + for the sale of a set a juniper post 5 x 4 x 48 ins.
v 2 v	point and 7 - H E S 422 on SE. face, (no stone avail-
2 9 4	able for cor.) dig pits 24 x 24 x 12 ins. crosswise
	on claim lines 7 ft. dist. and raise a mound of earth
	4 ft. base, 3 ft. high SE. of cor., whence:
	A juniper, 6 ins. dia. bears S. 32° 02' E.,
or d	49 lks. dist., scribed 7 H E S 422 + B T.
	arroyo.
	A juniper, 5 ins. dia., bears N. 79° 43' E., 97 lks. dist., scribed 7 H E S 422 + B T.
end	14.10 Arroyo, 10 lks. wide, 1 it. deep, course SV. 18c
	Whomas Fort
	Thence East. Is and avenue of . Wa has .aw aread . soon 100.81
	Descend 10 ft. in brush to arroyo.
2.95	Arroyo, 30 lks. wide, 70 ft. deep, course SW. Ascend
g gi	10 ft. to bench in brush.
	Fence, bears N. and S. Top ascent. Thence over level
	brush land.
19.60	Fence, bears NW. and SE. Descend 20 ft. in brush to
.01 .10	arroyo.
24.40	Arroyo, 40 lks. wide, 15 ft. deep, course S. Ascend
9	20 ft. in brush to cor.
29.00	To cor. No. 8.
	Deposit broken glass 14 ins. in the ground, over which
.esblesi	set a granite stone 24 x 12 x 6 ins., chiseled + for
	the point and 8 - H E S 422 on SW. face; and raise a
	mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor.,
oj	whence:
	A pinon, 14 ins. dia., bears S. 37° 15' E.,
	37 lks. dist., scribed 8 H E S 422 + B T.
	A pinon, 6 ins. dia., bears N. 20° 15' E.,
hero	37 lks. dist., scribed 8 H E S 422 + B T.
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	

Thence South.

Over level land in brush.

granite stone 8 x 8 x 10 ins. shove ground, objected

7.00 To cor. No. 10.

HOMESTEAD ENTRY SURVEY NO. 422

TONTO NATIONAL FOREST

STATE OF ARIZONA.

Chains 5.10 Fence, bears NW. and SE.	
8.50 Cor. No. 6, H. E. S. 421, which is a sandstone 10 x 8 x	
10 ins. above ground, marked 6 - H E S 421 on SE.	
face, with pits 24 x 24 x 12 ins. South and East of	
cor. 7 ft. dist., with mound of earth 4 ft. base,	
2 ft. high, SE. of cor. Descend 40 ft. in brush to	
arroyo.	
Along line 6-5 of H. E. S. 421.	
14.10 Arroyo, 10 lks. wide, 1 ft. deep, course SW. Ascend	
40 ft. in brush to flat.	
18.90 Road, bears NE. and SW. Top ascent. Leave brush.	
19.50 Fence, bears NE. and SW. Enter field.	
19.50 Fence, bears NE. and Sw. Enter Held. Diagram - Learner 1986 - 18 0% , ship and US , overtage 32. A 20.00 To cor. No. 9.	
Identical with cor. No. 5, H. E. S. 421, which is a	
granite stone 12 x 6 x 10 ins. above ground, chiseled	
+ for point and 5 - H E S 421 on SE. face, with mound	
of stone 2 ft. base, 1-1/2 ft. high SE. of cor. I	
mark cor. stone 9 - H E S 422 on NW. face for cor. No.	
9 of this survey, whence:	
A juniper, 8 ins. dia., bears N. 38° W., 85	
lks. dist., scribed 9 H E S 422 - 5 H E S	
Deposit broken glass l4 ins. in the ground, over which	
No other witnesses available. Pits impracticable.	
the point and 8 - H E S 422 on SV. face; and raise a	
Thence West.	
Along line 5-4 of H. E. S. 421. Descend 30 ft. to	
arroyo.	
1.00 Fence, bears NE. and SW. Leave field.	
1.65 Road, bears NE. and SW.	
3.90 Arroyo, 10 lks. wide, 1 ft. deep, course SW. Ascend	
30 ft. in brush to cor.	
7.00 To cor. No. 10.	
Identical with cor. No. 4 of H. E. S. 421, which is	
granite stone 8 x 8 x 10 ins. above ground, chiseled	

STATE OF ARIZONA.

Chains.	+ for the point and 4 - H E S 421 on SE. face, with
3.2.8	mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor.
	I chisel cor. stone 10 - H E S 422 on NW. face for
	cor. No. 10 of this survey, whence:
ni bas.	A juniper, 24 ins. dia., bears N. 4° 15' E.,
	74 lks. dist., scribed 10 H E S 422 + B T.
	A pinon, 14 ins. dia., bears N. 81° 45' W.,
	152 lks. dist., scribed 10 H E S 422 + B T.
	A juniper, 6 ins. dia., bears S. 30° W., 100
	lks. dist., scribed 4 H E S 42B + B T.
s et abin	An oak, 12 ins. dia., bears S. 82° 30' E.,
Selesino	. 44 lks. dist., scribed 4 H E S 421 + B T.
djiv.	Y the going end 2- 17 8 487 on 38. face.
To g Tt.	Thence South. Saivasono . Shi 31 x 42 x 45 alto
igi SE.	Along line 4-3 of H. E. S. 421. Descend 30 ft. in
eost . Ta	brush to arroyo. Onot too arm I . 100 de
7.00 A	rroyo, 10 lks. wide, 1 ft. deep, course SW. Ascend
	30 ft. in brush to flat.
9.43 R	Road, bears NE. and SW. Top ascent. Leave brush.
9.72 F	ence, bears NE. and SW.
10.00 T	Pocor. No. 11. seribed is .ff .ou .ros of
	Identical with cor. No. 3 of H. E. S. 421, which is a
T	granite stone 8 x 8 x 10 ins. above ground, chiseled
. 4	for the point and 3 - H E S 421 on SE. face, with
.4 8	mound of stone 2 ft. base, 1-1/2 ft.high SE. of cor.
	I mark cor. stone 11 - H E S 422 lon NW. face for cor.
,	No. 11 of this survey, whence:
ni .fr	A juniper, 18 ins. dia., bears N. 48° 45' W.,
	96 lks. dist., scribed 11 H E S 422 + B T.
	A juniper, 8 ins. dia., bears N. 31° 15' E.,
Assend	228 lks. dist., scribed 11 H E S 422 + B T.

A juniper, 22 ins. dia., bears N. 55° 15' W.,

103 lks. dist., scribed 3 H E S 421 + B T.

STATE OF ARIZONA. A juniper, 10 ins. dia., bears N. 1° 45' E., and Chains 122 1ks. dist., scribed 3 H E S 421 + B T. I chisel cor. stone 10 - H E S 422 on MV. face Thence N. 89° 57' W. ovada ains lo of .od . roo Along line 3-2 of H. E. S. 421. Over level land in VA les. dist., seribed 10 H B . dard P O.ll Fence, bears N. and S. 0.51 7.91 Arroyo, 20 lks. wide, 10 ft. deep, course S. To cor. No. 12. H b bedires .. teih .exi 12.91 Identical with cor. No. 2 of H. E. S. 421, which is a granite stone 12 x 6 x 10 ins. above ground, chiseled + for the point and 2- H E S 421 on SE. face, with pits 24 x 24 x 12 ins. crosswise on claim lines 7 ft. dist. and mound of earth 4 ft. base, 2 ft. high SE. of cor. I mark cor. stone 12 - H E S 422 on NW. face for cor. No. 12 of this survey, whence: An oak, 5 ins. dia., bears N. 60° 15' W., 53 lks. dist., scribed 12 - H E S. 422 + B T. An oak, 6 ins. dia., bears N. 11° W., 46 lks. dist., scribed 12 H E S 422 + B T. An oak, 6 ins. dia., bears N. 13° 15' E., 47 lks. dist., scribed 2 H E S 421 + B T. A juniper, 6 ins. dia., bears N. 60° 15' W., 53 lks. dist., scribed 2 H E S 421 + B T. I mark cor. Stone 11 - H E S AZE on IN p face for cor. Thence South. : eenedy , yevrue aint to II Along line 2-1 of H. E. S. 421. Descend 20 ft. in + - 19 Fence, bears E. and W. and B. regimes 7.04 Arroyo, 20 lks. wide, 3 ft. deep, course SE. Ascend 8.10 5 ft. in open to cor. as , reginary

Road, bears NW. and SE: dath . alf Sor

9.14

11.

STATE OF ARIZONA

Chains 9.72

Forest Service Telephone line, bears NW. and SE.

10.00

00.01

De.SI

79.88

Cor. No. 1, the place of beginning.

AREA

Total Area - - - - - - - - - 109.94 acres.

OO.OF IMPROVEMENTS

The improvements on this claim consist of approximately 1-1/4 miles of wire fence.

Value - - - - - \$ 200.00

No other improvements at time of survey.

DESCRIPTION

This claim lies on the Tonto Creek Watershed, at an elevation of approximately 5500 ft. The land is a flat mesa, cut by small arroyos in the Eastern portion. The timber consists of oak, juniper and pinon, a heavy stand of which lies along all boundary lines, enclosing a large open park in central portion. This timber is only suitable for post and fire wood. There is no commercial timber.

The soil is a sandy loam of good depth and is producing fair crops on adjoining homesteads without irrigation.

There has been no cultivation on this claim.

There is no water for irrigation and none for domestic use. Water for domestic use can be obtained at a depth of approximately 20 ft.

I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts. This claim is joined on the East

by H. E. S. 421 of A. J. Franklin. H.E.S. No. 419 lies about a quarter of a mile southeast, H.E.S. Nos. 53, 418 and 429 lie about one and a half miles southwest, and H.E.S. No. 156 lies about one mile west of this claim.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains	Payson, Arizona, the nearest post office, is 8 mi	lles and
	distant and Globe, Arizona, the nearest railros	ad
	point is 110 miles distant.	00.01
	TRAVERSE	
. 3	Cor. Course Dist. N S E	W
and the second second second	1-2 West 10.00 2-3 North 10.00 10.00	10.00
***	17 A Wort 9 06	9.06
Pros.	5-4 North 20.00 20.00 10.00 5-6 East 10.00 10.00 10.00	
	7_0 Fost 29.00	
	8-9 South - 20.00 20.00 9-10 West 7.00	7.00
	10-11 South 10.00 10.00 10.00 11-12 N.89°57'W 12.91 0.01	12.91
	157.97 40.01 40.00 39.00 40.00 <u>&38.97</u>	38.97
	Error in Lat. and Dep. of and no .01 misso .03	
	Closing error, 1:4992. Tamixorque lo moldavele	
ontion.	Survey completed April 29, 1916.	
	The timber consists of oak, juniper and pinon, a le	
-sole	stand of high lies along all boundary lines, en	
	REA Johnson	
on al	Surveyor - Draftsman	
	commercial timber.	
neing	The soil is a sandy losm of good depth and is pro-	
atton.	fair crops on adjoining homesteads without irrig	
	There has been no coltavitles on meed and ered?	
oijs	There is no water for irrigation and none for done	
	ta benistdo ed nas eau oitsemob tot retew .eau	
	apph of approximately 20 ft.	
	I saw no indication of mineral upon this claim.	
	TOTAL TOTAL TOTAL TO TOTAL OF MESS T	
	CONTLICTS AND ADJOINING CLAIMS.	
fasi e	There are no conditats. This claim is coined on the	
53. west.	by H. L. S. 421 of A. J. Franklin. H.K.S. No. 1. about a quarter of a mile southeast, H.K.S. Nos. Al8 and 429 liesabout one and a half miles south and H.K.S. Jo. 196 lies about one mile west of the claim.	

STATE OF ARIZONA.

```
Direct Solar, April 26, 1916, at cor. 1, H. E. S. 422

Lat. 34° 16' N. Long. 111° 13' 43" W. Elev. 5500

Telescope Time Horizontal Vertical Pos.

Angle Angle Sun

Direct 3h. 20m. 18s. 78° 56' 00" 39° 35' 30" °+

Reversed 3h. 21m. 26s. 78° 27' 30" 40° 06' 00" +°

3h. 20m. 52s. 78° 41' 45" 39° 50' 45"
Chains
                                                                                              5711
                                                                                39° 49' 48"
                                              Decl. 13° 38' 43" N.
            Cos. Q. = sin. 13° 38' 43"

cos. 34° 16' x cos. 39° 49' 48"

tan. 34° 16' x tan. 39° 49' 48"
            log. sin. 13° 38' 43" = + 9.372746
log. cos. 34° 16' = - 9.917204
log. cos. 39° 49' 48" = - 9.885332
                                                        9.570210 = log. .37171
            log. tan.34° 16' = log. tan.39° 49' 48" =
                                                 = 9.833339 \
= 9.921195 \
                                                       9.754534 - log.
                                                                                    .56824
                                                          Cos. Q. = .19653 \ Q. = 78° 39' 58"
           Difference in meridians, 0° 1' 47".
               Direct Solar, April 27, 1916, at cor. No. 8, H. E. S. 422.
            Lat. 34° 16' 30". Long. 111° 13' 27"W. Elev. 5500.
                                                       Horizontal Vertical Pos.
           Telescope
                                       Time
                               Angle Angle 8h. 24m. 25s. 80° 09' 30" 38° 19' ° ± 8h. 25m. 27s. 80° 39' 00" 37° 59' ± 8h. 24m. 56s. 80° 24' 15" 38° 09'
                                                                                                     Sun
               Direct
               Reversed
                                                                                       01'
                                                                                 38° 08'
                                             Decl. 13° 52' 06" N.
           Cos. Q. = sin. 13° 52' 06"
cos. 34° 16' 30" x cos. 38° 08"
                                           tan. 34° 16' 30" x tan. 38° 08'
           log. sin. 13° 52' 06" - + 9.379653
log. cos. 34° 16' 30" - - 9.917161/
log. cos. 38° 08' - 9.895741/
                                                      9.566751 = log. .36877
           log. tan. 34° 16' 30" - log. tan. 38° 08'
                                                       9.833475
                                                       9.894892
                                                       9.728367 = log. .53502 ×
                                                         Cos. Q. = .16625
Q. = 80° 25' 48"
```

Difference in meridians, 0° 1' 33".

8-2349

Form 85

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains The second Mood 198 SHE LOOK 008. 6. = 818. 18° 38' 48" 008. 64 16' x 008. 38° 48' 48' 180. 34° 16' x ten. 88° 49' 48 log. 846. 15° 38' ,43° = + 9.572746
log. 000. 34° 16' = - 9.517204
log. 001. 39° 49' 48 - - 9.845058
9.570210 lor. tem. 39° 49' 48' = 0.833339 lor. tem. 39° 49' 48' = 0.981195 9.755655 = 10g. 199. eg. eg. eg. eg. eg. eg. eg. Difference in meridians, U. 1' 47". Direct solar, April 27, 1916, out cor. No. 3, E. Low 34 18' 20'. Long. 111 18' 27'Y. Decl. 130 '86' 06' 0: log. cos. 38 log - 0.017161 log. cos. 38 log - 0.917161 iog. cos. 38 es! - 2.095741 v.508781 = 10e. los. tan. 34º 16' 30 - '9.838476 784 '68 '08 : .V 1 .0 .000 pitterence in seriatume. C' 1' SUN.

8-2349

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

Drescrons.—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 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 M. 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.

S ADEAG	S. AIVEAS.							0 49	1559 40	00 0	639 60		381 40	2580 89	382 11	20)2198 78	7 626 601				
N ABERAN	11. 2111200.	00 0	781 40	00 0	08 0	00 0	200 000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0 51		382 11							
DOUBLE M D		28 14	1		1	2 - 1-		1	76 77	1	1	10000	-								
URES.	West.	10 00		90 6	10				10	2 00	A TANKS	18 91		76 82	3899						
DEPARTURES.	EAST.					10 00	00 80	29 00					120	29 00	3899						
DES.	South.							10	20 00		10 00		10 00	40 00	1001						
LATITUDES.	North.		10 00		20 00		10 00					0 01		40 01	1001						
DISTANCE.		10.00	10.00	90.6	20.00	10.00	10.00	29.00	20.00	7.00	10.00	18.91	10.00	157.97						1	
BEARING.		West	North	West	North	East	North	East	South	West	South	N. 89° 57' W.	South								
CORNERS.		1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1								

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 19 1917, 191

The foregoing field notes of Homestead Entry Survey No.

422

executed by R.P.A. Johnson, Surveyor Duftsman.

[Forest Service Title.]

under his special instructions, dated Suptember 23, 1915, 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

8-2349

U. S. Surveyor General.