ORIGINA

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

JUL 2- 1917 AUG. 20. 1917 NOv. 22 1918

OF

HOMESTEAD ENTRY SURVEY NO. 455

Man. 14. 1918

SITUATED IN THE

SITGREAVES

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 24, unsurveyed, Township 12 No, Range 16 E. In Section 25, unsurveyed, Township 12 N., Range 16 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Jesse Sharp,

Residence

Heber, Arizona

Application No.

, dated

March 4

, 19 11

3-1266 List No.

, dated

April 28

, 1911 V

Applicant for survey

Thos. H. Shelley,

Residence

Heber, Arizona

H. E. No. 022731

, dated

July 7

, 1913

Office Land District

Phoenix, Arizona

Survey executed by R. P. A. Johnson,

Under special instructions dated

244

Surveyor - Draftsman
[Forest Service Title.]

April 17

, 1916

, 1916

Survey commenced

June 27

Survey completed

June 28

, 1916

Under Acts of

June 11, 1906 and March 4, 1915

[OVER]

OATH OF ASSISTANTS
We hereby certify that we assisted of the Mehrison
Survey or Instrument in surveying all those
parts or portions of Homestead Entry Survey No. 455, in the State of 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 estab-
lished, according to the instructions furnished by the United States Surveyor General for Augona
and the state of t
74 TA
Note: It would have been very expensive and incon-
venient to appear before an
to Assistants; hence, they Quin Philder Chairman
were taken by the Surveyor.
Subscribed and sworn to before me this Outh day of
day of
July , 1916. Polyshuson
Survey of Mall
-murgar X marsman
OATH OF SURVEYOB
I, P. Johnson Surveyor Daafisman
[Forest Service Title.]
do solemnly swear that, in strict conformity with the special instruc- tions of the United States Surveyor General for the dated
Mil 17, 19/6, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract of land on braced in dist No 3-1266, pated Afril 28
1911 and a tract of land whom the upplication
Application, No. 244, dated March 4, 1911, for winder the Act of June 1/1 1906
the same to be known as Homestead Entry Survey No. 455
situated within the Itypeaves National Forest, in Insurveyed Section 24, Township 121, Range 16 E, and
wasurveyed Section - 25, Township -/2 N-, Range -/6 E-
O_1 , O_2 O_2
of the Sela and Sall Grow Case meridian, Angona, 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
survey.
1. Johnson
Surveyor Draftoman
Subscribed and sworn to before me this thirtyfirst day of
March 1917.
Ethel m Gutahall
SEAL. My Commission expires Mar. 17 1921
8-2349 Notary Public

SITGREAVESNATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Jesse Sharp; Application No. 244, dated March 4, 1911; List No. 3-1266, dated April 28, 1911; H. E. 022731, made in the Phoenix Land Office on July 7, 1913 by Thos. H. Shelley.

Also a trace of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 022731.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 17, 1916 and designated as Homestead Entry Survey No. 455.

Situated in what will probably be, when surveyed, sec. 24, 25, T. 12 N., R. 16 E., Gila and Salt River Base and Meridian, Sitgreaves National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4,

Survey commenced June 27, 1916 and executed with a Buff and Buff transit equipped with Smith solar attachment. I test the adjustments of the transit and make necessary 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 clinometer.

June 27, 1916.

I observe the altitude of the sun for azimuth at cor. No. 2 of this survey. The reading on the reference object is set at zero and the sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. Lat. 34° 25' 15" N., Long., 110° 36' 20" W., from special instructions from the Surveyor General, now verified.

SITGREAVES NATIONAL FOREST

	STATE OF ARIZONA											
	Chain's	Telescope Time Angle Angle										
	,	Direct 9h. 22m. 04s. 83° 09' 00" 53° 13' 00"										
	40. 961.	Reversed 9h. 23m. 40s. 83° 43' 30" 52° 59' 00"										
		Bearing of reference object, N. 0° 04' 43" W.										
	734/10 6	In p.m. I again observe the altitude of the sun for azi-										
	Legrands	muth at cor. No. 1. The reading on the reference ob-										
	- 0 1 1 9 0	ject is set at zero and the sun was observed in the up-										
	.4000	per left and lower right quadrants of the field. Lat.										
	1000	34° 24' 50" N., Long. 110° 35' 55" W., from special in-										
	-1288	structions from the Surveyor General, now verified.										
	Sec. 24	Horizontal Vertical: Telescope Time Angle Angle										
*	na e	Direct 3h. 52m. 21s. 86° 29' 00" 39° 26' 00"										
		Reversed 3h. 53m. 23s. 87° 01' 00" 39° 43' 30"										
	X A	Difference from a.m. solar, 0° 00' 54".										
		June 27, 1916. RETRACEMENT										
	Prive a	I retrace line 1 to 4 of H. E. S. 198 as follows:										
	. Intends	Beginning at cor. No. 1 of H. E. S. 198, hereinafter										
	7488800	described.										

Thence N. 87° 46' E.

On a random line.

Fall 3-1/2 lks. South of cor. No. 4 H. E. S. 198, which 19.68 is an embedded limestone boulder 14 x 2 x 2 ft. above ground, marked 4 - H E S 198 on MW. face, with mound

of stone NW. of cor.

True line is N. 87° 40' E., 19.68 chs.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Deposit a limestone 4 x 4 x 2 ins. marked with a +, 18 ins. in the ground, over which set a limestone 28 x 14 x 8 ins., chiseled + for the point and 1 - H E S 455 on E. face; and raise a mound of stone 3 ft. base, 2 ft.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains	high E. of cor., whence: as becautiw bas
	. A yellow pine, 20 ins. dia., bears S. 70° 23' E.,
	· 81 1ks. dist., scribed 1 H E S 455 + B T.
	A yellow pine, 20 ins. dia., bears N. 26° 37' E.,
	90 lks. dist., scribed l H E S 455 + B T.
.Busi	U. S. L. M. No. 179 H. E. S., established in con-
	nection with H E Survey of that number, which is
S	an embedded limestone 12 x 4 x 2 ft. above ground,
-V E7 64	chiseled U S L M No. 179 H E S on East face, with
Tords	mound of stone 6 ft. base, 4 ft. high alongside, bears
	N. 45° 06' W., 7.14 chs., by direct measurement.
	Lat. 34° 24' 50" N., Long. 110° 35' 55" W., from special
	instructions from the Surveyor General, and now verified.
	Mag. Var. at 8:00 a.m. 14° 30' E. Mean Mag. Var., 14°.
+, 14	a 134. Western . bui I x & x & enotablis diacos
x 14	Thence N. 15° 48' W. as neve , shoots out di . 30i
4bs on	Over-unlisted land. Ascend 10 ft. in open to rocky
.12 8	seapoint. Should be proposed the control of the con
7.50	Road bears WNW. and ESE. one www Too lo . To dall
15.10	Rocky point. Descend 15 ft. to cor.
18.01	To cor. No. 2. A a bediese . Jein . Mil 16
	· Identical with cor. No. 1 of H. E. S. 198, which is a
	· limestone 14 x 5 x 10 ins. above ground, marked 1 -
	HES 198 on NE. face. I chisel same stone 2- HES
bus ba	455 on SE. face for cor. No. 2 of this survey; and
, e	raise a mound of stone 3 ft. base, 2 ft. high, SE. of
Face	-cor., whence: .talball OA .atlos aread
	A yellow pine, 30 ins. dia., bears N. 86° 30' W.,
	-mil a 2 157 lks. dist., scribed 20 H E S. 455 + B T.
b	.A yellow pine, 36 ins. dia., bears S. 44° 30' W.,
-4	296 lks. dist., scribed 2 H E S 455 + B T.
gozvae!	· Cor. H-6 of the list survey, which is a lime-
	stone 14 x 10 x 14 ins. above ground, marked

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA. TATE

and witnessed as described by the Forest
Chains Service, bears S. 25° O6' E., 10.53 chs. dist.
I destroy all trace of this list cor.
A yellow pine, 20 ins. dis., bears J. 26° 57' H.,
Thence N. 87° 40' E. Bedinos sais . sais 00
Along line 1-4 of H. E.S. 198 in open, over level land.
0.03 no Fence cor., fence bears SSE. and E
1.99 , Fall 8 lks. N. of cor. H-l of list survey, which is a
limestone 10 x 8 x 8 ins. above ground, marked and wit-
ansed as described by the Forest Service. I destroy
. all trace of this list cor. I. V . W '80 °64 . W
Leave unlisted and enter listed land.
8.72 Telephone line bears N. and S. mont should be send
11.02 To cor. No. 3 100 041 .m. 20:8 ts . 180 .181
Deposit a limestone 3 x 2 x l ins. marked with a +, 14
ins. in the ground, over which set a limestone 24 x 14
x 5 ins., chiseled + for the point and 3 - H E S 455 on
SW. face; and raise a mound of stone 3. ft. base, 2 ft.
high Sw. of cor., whence BE SWE BES OF CO.Y
A yellow pine, 8 ins. dia. bears N. 23° 45' E
84 lks. dist., scribed 3 H E.S 455 + B T. 10.8
A yellow pine, 10 ins. dia., bears S. 20° E.,
- I bearing 170 lks. dist., scribed 3 H E S 455 + B T.
Cor. H-2 of the list survey, which is a sand-
by ; yava stone 16 x 12 x 10 ins. above ground, marked and
withesped as described by the Forest Service,
bears South, 40 lks. dist. I destroyall trace
v od of this list cor. of this list cor.
. Cor. H-3 of the list, survey, which is a lime-
stone 14, x 10 x 14 ins, above ground, marked
. a + dand witnessed as described by the Forest Ser-
- vice, bears S. 228 E 8.78 chs. dist. I destroy
be stam , bnall trace of this list cor. enote

TERRORSITGREAVES NATIONAL FOREST

STATE OF ARIZONA

	Chains	Thence S. 28° 28' E., and the spart file and shape and the second											
	revo bi	Over level land to wash. Leave listed and enter											
		unlisted land 8 x As and a map a de datew											
+	1.50	West bank Buckskin Wash, 4 ft. high, course N.											
	4.90.	East bank Buckskin Wash, 4 ft. high.											
	16.50	East bank Buckskin Wash, bank 5 ft. high, enter Wash.											
	2195	East bank Buckskin Wash, bank 3 ft. high, leave wash.											
	36.10,	Cor. H-4 of the list survey, which is an embedded lime-											
	,,80189	stone 1 x 3 x 3 ft. above ground, marked and witnessed											
		as described by the Forest Service. I destroy all											
		trace of this list cor. Continue over unlisted land.											
		Ascend along West slope in open 20 ft. to cor.											
	44.90	To cor., No. 4. to state all . hast here the tave											
		Deposit a limestone 4 x 4 x 3 ins. marked with a +, 14											
		ins. in the ground, over which set a limestone 24 x 12											
		x 8 ins., chiseled + for the point and 4 - H E S 455 on											
-		NW. face; and raise a mound of stone 3 ft. base, 2 ft.											
		high NW. of cor., whence:											
	Barca	- A yellow pine, 12 ins. dia., bears N. 46° 35' W.,											
	Beros	113 lks. dist., scribed 4 H E S 455 + B T.											
	Becom	A yellow pine, 20 ins. dia., bears N. 1° 58' E.,											
-		120 lks. dist., scribed 4 H E S 455 + B T.											
		June 27, 1916.											
	etsit	To the end out told box cour about attore every out to											
	telanoo	June 28, 1916. Januared bue miero beethemen											
		Thence S. 48° 03' W. : maiwolfob and to											
	on bears	Descend 15 ft. in open to Wash.											
*	10.64	East bank Buckskin Wash, 5 ft. high, course NNW.											
	11.73	West bank Buckskin Wash, 5 ft. high.											
		To cor. No. 5.											
		Identical with cor. H-5 of the list survey, which is a											
		sandstone 10 x 8 x 12 ins. above ground, marked and wit-											
	00.	nessed_as_described_by the Forest Service. I destroy											

SITCREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

all trace of this list cor. Deposit a limestone 4 x 2 x 1 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 8 x 8 ins., chiseled + for the point and 5 - H E S. 455 on NE. face; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A yellow pine, 10 ins. dia., bears N. 6° 43' E.,

141 lks. dist., scribed 5 H E S 455 + B T.

A yellow pine, 14 ins. dia., bears N. 25° 25' W.,

184 lks. dist., scribed 5 H E S 455 + B T.

Thence N. 26° 20' W. M. 200 200 200

Over unlisted land. In edge of timber, over level

14.65 Road bears N. and S.

35.85 Cor. No. 1, the place of beginning.

AREA ON , . CO TO . W. dyla

Area of Listed land - - - - - - - - 53.00 acres

Area of Unlisted land - - - - - - - - 14.74 acres

Total Area - - - - - - - 67.74 acres

. IMPROVEMENTS

The improvements made upon and for the benefit of this homestead claim, and belonging to the claimant, consist of the following:

A log dwelling, 18 x 14 ft., the long side of which bears
E. and W. and the SE. cor. of which bears N. 16° 36' W.,
12.10 chs. dist. from cor. No. 5.

Value ----- \$125.00

A root cellar, 11 x 8 ft., the ventilator of which bears
N. 20° 42' W., 12.56 chs. dist. from cor. No. 5.

Value ----- \$ 10.00

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

There is approximately 1-1/2 miles of wire fence.

Value ----- \$175.00

There are approximately 30 acres in cultivation.

DESCRIPTION

This claim is situated on Buckskin Wash, at an elevation of 6600 ft. on N. slope of Mogollon Mesa. The entire claim is bottom land with scattered stand of yellow pine with low ridges of pinon and juniper to E. and W. The general slope is to the N.

The soil is a sandy loam of good depth and produces good crops.

The timber consists of a scattered stand of yellow pine over entire area, except portion in cultivation where timber has been killed or removed.

There is no water for irrigation, and water for domestic use is obtained by digging shallow holes in the wash.

I saw no indications of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. This claim is joined on the North by H. E. S. 198 of J. I. Porter.

Heber, Arizona, the nearest post office is approximately 1 mile North; and Holbrook, Arizona, the nearest rail-road point and commercial center, is approximately 50 miles North. Both are accessible by good wagon road.

Form 85 8 •

HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

								-
Chains	entee.	i eris lo se.	TRAVER	SE Janta	ozdan s	it eredT	entedo	
	The second second	Course			S	E	y	-
	1-2	N. 15° 48'	W. 18.01	17.33		es eredo	4.90	-
		N. 87°40'		0.45		11.01		-
	3-4	S. 28° 281	E. 44.90		39.47	21.40		
noidave	4-5	S. 48° 03'	W. 15.64	etentis	10.46	This old	11.63	the name of Street or other Designation or
erithe	5-1	N. 26° 20'	W. 35.85	32.13	40.07	32.41	15.90 V	-
Wolfi		acate beret		49.91	49.91		32.41	
. W. brus	Erro	or in Lat. ar	nd Dep.	serbirt v	02	w entq	•02 /	-
	Clos	sing error,	1:4432.	al egola				
Soot R	Surv	vey completed	June 28,	1916.		Lies end		
	Note	:				.88079		
enio	List	survey loca	ated this c	laim in	Secs.	13 and 2	4 which	
The state of the s	lo	cation was f	found to be	errono	us by t	ie to se	c. cor.	
	ma	ade in connec	etion with	U.S.L.M	. No. 1	79 H.E.S		
		therew bus.	unitualizati	R	PA	Johnson	2 11	
		ir selod wol				Dweftar	nen	
·LEDSW								
	2 11 1 1 1					APAR / WINDOW L		

PRIMITO DESIGNATION OF A CONTENTION

There are no conflicts. This claim is joined on the

Teber, Arizona, the nearest post office is approximately

- His deersen ent . anomira . Moordfoll bos ; diron effit I

Took point and compercial center, is approximately 50

miles North. Both are accountible by good wagon road.

North by H. T. H. 198 of J. I. Porter.

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HOMESTEAD ENTRY SURVEY NO. 455

SITGREAVES NATIONAL FOREST

STATE OF

ARIZONA.

Chains

Direct Solar at cor. No. 2, H. E. S. 455, June 27, 1916.

Lat. 34° 25' 15" N. Long. 110° 36' 20" W. Elevation 6500 ft.

Decl. 23° 19' 50" N.

Telescope Time Horizontal Vertical Pos. Angle Angle Sun

Direct 9h. 22m. 04s. 83° 09 00" 53° 13' 00"

Reversed 9h. 23m. 40s. 83° 43° 30" 52° 59' 00" 9h. 22m. 52s. 83° 26' 15" 53° 06' 00" 35"

53° 05' 25"

+sin. 23° 19' 50'
cos. 34° 25' 00" x cos. 53° 05' 25" Cos. Q. = tan. 34° 26' x tan. 53° 05' 25"

log. sin. 23° 19' 50" = + 9.597734 log. cos. 34° 25' 15" = - 9.916406 log. cos. 53° 05' 25" = - 9.778554 9.902774 = log. +.79942

log. tan. 34° 25' 15" = 9.835848 log. tan. 53° 05' 25" = 10.124310

9.960158 = log.

-.91234 V

Cos. Q. =

.11292 /

Q. = 83° 30' 58"

Bearing of reference object, N. 0° 04' 43".W.

NATIONAL FOREST

	STATE OF
Chains	hains . Direct Solar at cor. No. 32, H. E. S. 155, June
	.grat
noit	Tet. 84° 25' 16" H. Long. 110° 36' 20" W. Riev
	.55 000 10.
	Degl. 25° 19' 50", H.
Fore.	Telescope Time Horizon Vertical Vertical Angle Angle
+0	Direct 9n. 22m. 04e85° 09' 00" 55° 18' 00"
0	Reversed gh. 25m. 40s. 85° 481 50" 52° 59' 00'
	00 '30 '8a "ar '8a '8a .asa .ms .ne
	36 de 180
	Cos. c. = +sim. 23° 19' 50 Val - cos. 53° 05' 25" - tan. 84° 26' x tan. 88° 05' 25"
1321	log. sim. 25° 19' 50" = + 9.597754 log. cos. 54° 25' 15" = - 9.916406 log. cos. 55° 05' 85" = - 9.778554 9.902774 = log. +.79
54	log. tam. 53° 05' 85" = 9.835848 10g. tam. 53° 05' 85" = 10.184210 9.960156 = log91
202	20. = .0 .800
	0. = 85° 20' 58°
	Desting of reference object, N. 0° O4' 48". ".

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains

Direct solar at cor. No. 1, H. E. S. 455, June 27, 1916.

Lat. 34° 24' 50" N. Long. 110° 35' 55" W. Elevation 6500 ft.

Decl. 23° 19' 11" N.

Telescope Horizontal Vertical Time Pos. Angle Angle Sun

3h. 52m. 21s. 86° 29' 00" 39° 26' 00" Direct

Reversed 3h. 53m. 23s. 87° 01' 00" 39° 43' 30" +.

3h. 52m. 52s. 86° 45' 00" 39° 34' 45" 55" V. 39° 33' 50"/

Cos. Q. = sin. 23° 19' 11" - cos. 34° 25' 35" x cos. 39° 33' 50" tan. 34° 25' 35" x tan. 39° 33' 50"

log. sin. 23° 19' 11" = 9.597543 / log. cos. 34° 24' 50" = 9.916441 / log. cos. 39° 33' 50" = 9.887006 / 9.794096 = log. .62244

log. tan. 34° 24' 50" = 9.835735 log. tan. 39° 33' 50" = 9.917091 9.752826 = log.

.56601

Cos. Q. = .05643

Q. = 86° 45' 54"/

Difference from a.m. solar 0° 00' 54".

NATIONAL FOREST

STATE OF

Chains Direct soler at cor. No. 4, B. E. S. 455, June 27, 1916. Lat. 34° 24' 50" N. Long. 110° 35' 55" W. Blevation . \$1 00da Decl. 23° 19' 11" M. Horizontel Vertical Pos. Celescope emiT Direct Sn. 52m. 21s. 86° 29' 00" 39° 26' 00" . Reversed Sh. 55m. 25s. 87° 01' 00" 39° 48' 30" + Sh. 52m. 52a. 86° 45' 00" 59° 54' 45" 70a '88 '98 Cos. C. = sin. 25° 19' 12" cos. 60° 28' 80" cos. 84° 25' 55" x cos. 69° 28' 80" cos. 60° 60" cos. 64° 25' 25" x ten. 69° 68' 60" log. cos. 54° 24' 50" = 9.597543 log. cos. 54° 24' 50" = 9.916441 log. cos. 59° 55' 50" = 9.887006 9.794096 = log. log. tan. 59° 55' 50" = 9.835735 .56601 9.752826 = log. Gos. Q. = .0564 Q. = 86° 45' 54" Difference from a.m. solar 0° 00' 54".

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NATIONAL FOREST

1.

SITGREAVES STATE OF

ARIZONA

Chains

U. S. Department of Agriculture

Porest Service

Inspection of HES No. 455 State of Arizona.

L. Entry Surveys

Shelley, Thos. H., H. A. No. 244.

Survey commenced Nov. 15, 1916 and completed Nov. 15, 1916. Situated in unsurveyed Secs. 13 and 24 T. 12 N., R. 16 E. G. & S. R., B. & M., Sitgreaves National Forest, Arizona.

Survey executed with a Buff & Buff light mountain transit
No. 9703 with Smith Solar Attachment.

I test the adjustments and make necessary corrections.

No stadia or triangulation used. All measurements were made directly on the slopes with a 500 link steel tape and the slope angles determined with a clinometer. The horizontal distances alone appear in these notes.

November 15, 1916.

At Cor. No. 2 at 4h 11.3m p.m., 1.m.t. I observe

Polaris with telescope direct, reading an angle of
26° 25' from star to right to a reference mark about
1/2 mile distant. Latitude 34° 26' N. Longitude
110° 36' W. derived from a. G. L. O. map.

G.m.t. U. G. Polaris Nov. 15, 1916 9h 52.5m p.m.

Longitude correction 1.2

1.m.t. U. C. Polaris Nov. 15, 1916 9 51.5

" of obsn. " " " 4 11.3

hour angle 5 40.0 Azimuth of Polaris

26° 25' 00"

Azimuth of reference work 207° 47° 178 subtract 180° 00° 00°

bearing of mark = N 27° 47' 17"E.

NATIONAL FOREST

STATE OF

Chains And the other property . The way were the to star in or interested and area of STREET TELLINE Processes Transactions of the state of the s THE TANK OF THE RESERVE OF THE STREET DESCRIPTION TO LESS THE TOWN TO . S. A.M.

STATE OF

At 4h. 21.3m p.m. l.m.t. I again observe Polaris with Chains telescope reversed, reading an angle of 26° 25' 30" between reference mark and the star. Astron.l.m.t. U.C. Polaris Nov. 15, 1916 9h.51.3m p.m. Astron.l.m.t. of obsn., Nov. 15, 1916 4h.21.3m Hour angle of Polaris

> Azimuth of Polaris add

1810-221-00" 26° 25' 30"

5h.30.0m.

Azimuth of reference mark = subtract

2070 47 30" 180° 00' 00"

bearing of reference mark =

N. 27° 47' 30" R.

From the mean of the two observations I determine the bearing of reference mark as being N. 270-471-23" E. and from the corresponding meridion all the courses of this survey were deflected.

An addition of about twelve acres was made on the S. end of the claim and also about three acres on the E. and W. sides as a result of straightening out the lines, all of which can be properly classed as agricultural.

There was no objectionable histus or overlap. N. bdy. of this claim was made identical with a part of the S. bdy. of HES No. 198.

Cor. H-3 of the listing survey was eliminated, which was the only one that could be without including a large amount of valuable timber.

All corners were well set, of standard size plainly marked and properly witnessed.

The corners were not set in accordance with the listing described as it was found desirable to place them so as to include all the available agricultural land and eliminate superfluous corners.

The survey conforms with statutory limits as to length

NATIONAL FOREST

STATE OF

Chains bet, est reference mark and ste eter. "OS 175 *000 RATER-TH . E paid of Mine superstar To Antreod age upp and ils noiblest weithingsauroe and nort has no objectionable higher of overlay, the struct of as strate violutate actu secondo govino of

3—2349

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STATE OF

Chains	and area.											
	Retracements. November 16, 1916. Beginning at Cor. No. 1 of HES 198, which is also Cor.											
19.67	No. 2 of HES No. 455. Thence N. 87° 40' E. on a random line along line 1-2 of HES No. 198. Fall 1/2 lk. S. of Cor. No. 2 of HES No. 198.											
8.66	Thence S. 87° 39' W. on a true line along line 2-1 of HES No. 198. Intersect Cor. No. 3 of HES No. 455. Intersect Cor. No. 1 of HES No. 198 which is also Cor.											
	No. 2 of HES No. 455, the place of beginning. No field corrections were made as the survey was found to be well within Inspection limits.											
	Traverses.											
	Courses Cor. Inspector Surveyor Inspector Surveyor 1-2 N. 15-50 W. N. 15-48 W. 18.02 18.01 2-3 N. 87-39 E. N. 87-40 E. 11.01 11.02 3-4 S. 28-30 E. S. 28-28 E. 44.92 44.90 4-5 S. 48-02 W. S. 48-03 W. 15.64 15.64 5-1 N. 26-20 W. N. 26-20 W. 35.84 35.85 U. S. L. M. No. 179 HES bears N. 45-08 W. 7.14 chs. from Cor. No. 1.											
	respectfully recommend that the original survey be accepted as the work shows a high degree of precision.											

(Signed) C. A. Long. Surveyor-Forest Service.

TEMPOW MANOT NATIONAL FOREST

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Chains Acres 45 26, 1916. well side at your located the term to de south the of the so had anti-mile self action of no outs of said act of the Test tes and Sometator TOY OF THE 87-89 3. legives the set wordy les

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

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

3. In calculations or halancing fallings above in red ink. Do not change the footing of the original figures, but put below them the corrected fouring in red ink.

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.

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A 9. Only three copies of this tabulation are necessary for the Commissione 95 R 20 96 N. AREAS. * 3 DOUBLE M. D. 929 44 25 8 53 92 82 13 WEST. 878 43 EAST. 53 I 39 46 10 46 SOUTH. 8 49 34 45 16 NORTH. 49. 32 Closing error 1:3479 18.02 15.64 125.43 44 . 92 35.84 10.11 W.15-50". S.28-30 E. M.87-39E. S.48-02W. II.26-20W Sheet No. 3.—Revised Feb., 1915. 60 3.4 4-5

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S. AREAS.

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Drections.—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.

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4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner. Form 85. Sheet No. 3.—Revised Feb., 1915.

TRAVERSE SUBMITTED BY SURVEYOR JOHNSON.

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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.

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 18, 1918.

The foregoing field notes of Homestead Entry Survey No.

455

executed by R. P. A. Johnson, Surveyor-Draftsman

[Forest Service Title.]

under his special instructions, dated April 17, 1916, 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.