U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

MAY .- 1916

NOV.22 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 399

SITUATED IN THE

TUSAYAN

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 32 , - surveyed, Township 22 N. , Range 3 E.

of the

Gila and Salt River Base and Meridian.

State of

Applicant for listing David H. Ritter,

Residence

Williams, Arizona

Application No. 111

, dated

March 2

, 19 10

List No. 3-1040

, dated

January 26

, 1911

Applicant for survey David H. Ritter,

Residence

Williams, Arizona.

H. E. No.

014809 , dated

June 29

, 19 11

Office Land District

Phoenix, Arizona

Survey executed by Charles D. Hodson, Surveyor - Draftsman [Forest Service Title.]

Under special instructions dated

August 10 , 1915

Survey commenced

September 3 , 1915

Survey completed

September 5 , 1915

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

0

OATH OF ASSISTANTS

We hereby certify that we assisted

Surveyor - Draftsman

[Forest Service Title.]

Charles D. Hodson, in surveying all those

parts or portions of Homestead Entry Survey No. 399 , in the 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 expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

Chainman Chainman

Subscribed and sworn to before me this

lst

day of

October

, 1915

Charles D Hodson

Surveyor - Draftsman

OATH OF SURVEYOR

I, Charles D. Hodson,

Surveyor - Draftsman

[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated August 10, 1915, 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.3-1040

, dated Jan. 26

, 1911

, for

, under the Act of June 11

, 1906

, situated within the

- surveyed Section

- surveyed Section

- TUSAYAN

TUSAYAN

National Forest, in

- surveyed Section

- Township

- Range

, Range

, Range

, Range

, Range

of the **G. and S. R. B. and** 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 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.

Surveyor - Draftsman

[Forest Service Title.]

Subscribed and sworn to before me this Lyuck

1

day of

Oclober

, 19/5.

Else Chym Instang Public

STATE OF ARIZONATADA

Chains

Applicant for listing, David H. Ritter; Application No.

111, dated March 2, 1910; List No. 3-1040, dated January 26, 1911; H. E. 014809, made in the Phoenix Land
Office on June 29, 1911 by David H. Ritter.

Surveyed under special instructions from the Surveyor

General for Arizona, dated August 10, 1915 and designated as Homestead Entry Survey No. 399.

Situated in sec. 32, T. 22 N., R. 3 E., Gila and Salt
River Base and Meridian, within the Tusayan National
Forest, Arizona.

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

Survey commenced September 3, 1915 and executed with a Buff and Buff transit No. 9700-6.

I test the adjustments of the transit and make necessary

All distances are horizontal and were reduced from measurements made directly on the slope with an 800 link steel tape. The slope angles were determined with a clinometer.

September 4, 1915.

At the 1/4 sec. cor. bet. secs. 5 and 32, Ts. 21 and 22

N., R. 3 E., re-established by me on Sept. 3, 1915,
and cor. No. 1 of this survey, hereinafter described,
I observe the altitude of the sun for azimuth. The
reading on the reference object was 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 and correction was made for apparent time.

Lat. 35° 14' 05" N., Long. 112° 05' 46" W., obtained
from the special instruction of the Surveyor General,
and later verified.

on hine I. and A. 5 - 1/2 ffl; and raise

TUSAYAN AND IN NATIONAL FOREST

STATE OF ARLZONAATA

I		TELESCOPE Time Ived , Horizontal Jest Vertical
	Chains	ObairelgnA Angle Angleist No. 3-1040, dat
		Direct 7h., 20m. 32s. 84° 34' 30" 20° 35' 30"
	DESE A	Reversed 7h. 2lm. 15s. 85° 02' 00" 20° 13' 00"
		. Mean . 7h. 20m. 54s., 84° 48' 15" 20° 24' 15"
	veyor	Bearing of reference object, S. 0° 07' 56" W.
	-gimal	Direct, O. 7h. 22m. 03s. 84° 20' 00" 20° 53' 00"
		(2) Reversed 7h. 22m. 47s. 84° 47' 30" 20° 32' 00" Mean . 7h. 22m. 25s. 84° 33' 45" 20° 42' 30"
		Bearing of reference object, S. 0° 07' 04" W.
	Lanois	Mean of two obsns. S. 0° 07' 30" W., and to the corres-
		ponding meridian all courses of this, survey were re-
	in 4,	ferred. I surveyed under the Acts of June 11, 1 sterred un
		September 4, 1915.
		RETRACEMENT and RESURVEYS September 3, 1915.
	s ntiw	All courses of the retracement and subdivision of Sec.
		William Burt and burt transit Wo. 19700-6.
	ncessorv	32 were run on an assumed azimuth and subsequently
		corrected to the meridian established as above described.
		Beginning at the cor. to secs. 4, 5, 32 and 33, Ts. 21
	mo	and 22 N., R. 3 E., a yellow pine, 20 ins. dia., marked
	008 r	and witnessed as described by the Surveyor General.
	ined	link steel tape. The slove angles were determ
		Thence North.
		On a random line bet. secs. 32 and 33.
	40.00	After careful and diligent search I am unable to find
		any evidence of the 1/4 sec. cor.
	S.a bins	Fall 73 lks. W. of the cor. to secs. 28, 29, 32 and 33,
	. 31. 41	TO SO SOUTH A CONTRACT OF SOUTH AND A SOUTH AND A SOUTH ASSOCIATION OF S
	, begins	a sandstone 20 x 10 x 10 ins. above ground, marked
	Tile	and witnessed as described by the Surveyor General.
		Thence S. 0° 32' W.
		On a true line bet. secs. 32 and 33.
	39 49	OProportional measurement)-for 1/4 cor. bet. secs. 32 and
	Las	33. Set a malpais stone 18 x 10 x 8 ins., 12 ins. in the
	.omit	THE TROOP TOT BUSIN REW MORTDETTOD DER BULLO DASH TO THE STATE OF THE
	henis	ground, over a small stone marked with a cross. I chisel
		a cross on top and 1/4 S. on the W. face. No bearings
	.TE.100	available, therefore dig pits 24 x 24 x 12 ins. cross-
		wise on line N. and S. 3 - 1/2 ft.; and raise a
		will off fill the and be of file to a and faible a

CHOMESTEAD ENTRY SURVEY NO. 399 TUSAYAN NATIONAL FOREST

STATE OF ARIZONATATE

		monad of could and the Charles
	Chains	mound of earth and stone 5 ft. base, 3 ft. high, W. of one a driw bearen emote light a revo , busons ent anish
	59.13	set temporary point for 1/16 cor.
3	SI	The state of the s
	Atr	Beefc on som s salar bas; of S/L-S .W has .H .eni
		Thence West.
		On a random line bet. secs. 5 and 32.
	40.00	80.12 The cor. to secs. 4, 5, 52 and 53.
. 1	40.00	After careful and diligent search I am unable to find
		any evidence of the 1/4 sec. cor. bet. secs. 5 and 32.
	80.12	Fall 21 1ks. North of the point for cor. secs. 5, 6,
		31 and 32, which I restore from the stumps of the
		original witness trees. The markings on these stumps
	58, a	being nearly obliterated, I restore this cor. as fol-
		sandstone 8 x 8 x 6 ins. goove ground, marked a
		Set a malpais stone 24 x 6 x 6 ins., 14 ins. in the
		ground, over a small stone marked with a cross. I
		chisel a cross on top, 5 notches on E. edge and 1
		notch on W. edge; and raise a mound of stone 4 ft.
		base, 3 ft. high, W. of cor., whence; . Too entry ac. 38
		A yellow pine, 20 ins. dia., blazed and scribed
	eroloj	Tall N R 3 E S 5 B T, bears S. 85° 49' W.,
		229 lks. dist.
		A yellow pine, 16 ins. dia., blazed and scribed
	.33 .a	Telln.R. 3 E S 6 B.T. bears S. 20° 58' W.,
	Carlot Activity	oo . Too 450 lks. 1dist or the re-extist 10 . 2 . exi sv first 00.07
		A yellow pine, 12 ins. dis., blazed and scribed
		T 22 N R 3 E S 32 B T, bears N. 52° 31 E.,
	. 3	oe wrlo6 lks. dist. / Lember itel earl a no
		Thence N. 890 51' E. theo not thing transport to 2 .08
3		On a true line bet. secs. 5 and 32.100 all and oc. 4
	20.03	Set temporary point for 1/16 cor.
	30.04	Set temporary 1/64 sec. cor.
	40.06	(Proportional measurement) for 1/4 cor. bet. secs. 5 and
	10.00	32. Deterorione described.
		I set a malpais stone 30 x 14 x 10 ins., 20 ins. in

Form Sc.

TETUSAYAN OLUNATIONAL FOREST

STATE OF ARIZONA MYATE

Chains	the ground, over a small stone marked with a cross and
	I chisel a cross on top, 1/4 S on the N. face. No
	bearings available, therefore dig pits 24 x 24 x 12
	ins. E. and W. 3-1/2 ft.; and raise a mound ofeearth
	4 ft. base, 2 ft. high, N. of cor.
60.09	Set temporary 1/16 sec. cor.
80.12 5n.ii	The cor. to secs. 4, 5, 32 and 33.
and SR.	Return to the cor. to secs. 5, 6, 31 and 32, previously
6,	described.
le.	Thence North.
. agnist	On a random line bet. secs. 31 and 32.
38.95	Fall 64 lks. W. 1/4 secreorner bet. secs. 31 and 32, a
	sandstone 8 x 8 x 6 ins. above ground, marked and
ent	witnessed as described by the Surveyor General.
I	Thence S. 0° 56' W.
I	On a true line bet. secs. 31 and 32.
19.48	Set temporary 1/16 sec. cor.
38.96	The cor. to secs. 5, 6, 31 and 32.
CONTRACTOR OF STATE OF THE PARTY OF THE PART	A yellow pine, 20 ins. dis., blazed and seri
	Return to the 1/4 cor. bet. secs. 31 and 32, heretofore
	described
bea	trans to have to such and all and motions
	Thence East dis. dis. wolley A
	Thence East On a random latitudinal 1/4 sec. line, thru secs. 32.
79.90	on a random latitudinal 1/4 sec. line, thru secs. 32.
79.90 bed	Fall 72 lks. S. of the re-established 1/4 cor. bet. secs.
79.90 bed	on a random latitudinal 1/4 sec. line, thru secs. 32. Fall 72 lks. S. of the re-established 1/4 cor. bet. secs.
79.90 bed	Fall 72 lks. S. of the re-established 1/4 cor. bet. secs.
79.90 bed	on a random latitudinal 1/4 sec. line, thru secs. 32. Fall 72 lks. S. of the re-established 1/4 cor. bet. secs. 72 and 33. heretofore described. Thence S. 89 29 W. E. S. E. H. S. T. On a true latitudinal 1/4 sec. fine thru sec. 32. Set temporary point for center of sec. 32.
79.90 bed	on a random latitudinal 1/4 sec. line, thru secs. 32. Fall 72 lks. S. of the re-established 1/4 cor. bet. secs. 22 and 33. heretofore described. Thence S. 89° 29° W. On a true latitudinal 1/4 sec. Time thru sec. 32.
79.90 bed	on a random latitudinal 1/4 sec. line, thru secs. 32. Fall 72 lks. S. of the re-established 1/4 cor. bet. secs. 32 and 33. heretofore described. Thence S. 89° 29° W. On a true latitudinal 1/4 sec. fine thru sec. 32. Set temporary point for center of sec. 32.
79.90 bed 39.95 79.90	on a random latitudinal 1/4 sec. line, thru secs. 32. Fall 72 lks. S. of the re-established 1/4 cor. bet. secs. 32 and 33. heretofore described. Thence S. 89 29 W. S.
79.90 bed 39.95 79.90	on a random latitudinal 1/4 sec. line, thru secs. 32. Fall 72 lks. S. of the re-established 1/4 cor. bet. secs. 732 and 33. heretofore described. Thence S. 89° 129° W. S. S. S. A. G. A. G. S. On a true latitudinal 1/4 sec. Time thru sec. 32. Set temporary point for center of sec. 32. The 1/4 cor: bet. secs. 31 and 32. If some B. September 3, 1915. September 4, 1915.

STATE OF ARIZONA

Chains	Thence North.
* V 14.V	On a random meridional 1/4 sec. line, through sec. 32.
78.97	Fall 67 lks. W. of the 1/4 cor. bet. secs. 29 and 32,
.bec of	a sandstone 12 x 8 x 6 ins. above ground, marked and
.ceers	witnessed as described by the Surveyor General.
	Thence S. 0° 29' W
90	On a true meridional 1/4 sec. line through sec. 32.
39.75	Intersect latitudinal 1/4 sec. line at 39.81 chs. N.
1-	89° 29' E. of the 1/4 sec. cor. bet. secs. 31 and 32,
De liman	and 40.09 chs. S.89° 29' W. of 1/4 sec. cor. bet. secs.
	32 and 33. Set temporary point for center 1/4 sec. cor
59.36	Set temporary point for 1/16 cor.
69.17	Set temporary 1/64 sec. cor.
78.97	The 1/4 cor. bet. secs. 5 and 32.
.30	Revers to temp. I le sec. ecr. et center 33/4 sec
	Return to the temporary center 1/4 sec. cor., heretofore
	described.
	Thence N. 89° 29' E.
	On latitudinal 1/4 sec. line.
20.05	Set temporary 1/16 sec. cor. center E/2 sec. 32.
4/12 2/1	NO TOPRODURE THE CALL STORE OF THE CONTROL OF THE SAME
2/8.4/8	Thence S. 0° 30' W.
	On true meridional 1/16 sec. line through center SE/4
Diag.	sec. 32, for flag on temp. 1/16 sec. cor. on S. bdy.
	SE/4 sec. 32, which is plainly visible.
39.32	Temp. 1/16 sec. cor. on S. bdy. SE/4 sec. 32, hereto-
seide .	fore described.
Joi Chiot	Jon Elly de Groleteny vmtelo bed more bi syrmov i
	Return to temp. 1/16 sec. cor. on meridional 1/4 sec.
	line, center S/2 sec. 32, heretofore described.
to viel	Thence N. 89° 40' E.
	On true latitudinal 1/16 sec. line through SE/4 sec.
	32, for flag on temp. 1/16 sec. cor. on E. bdy. sec.
	32, which is plainly visible.
	on, willow to providing violation.
CONTRACTOR OF THE PARTY OF THE	

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains	Intersect meridional 1/16 sec. line at 19.66 chs. S. O°
. AG . DE	30' W. of the temp. 1/16 sec. cor. at center E/2, sec.
	32, and 19.66 chs. N. 0° 30' E. of the temp. 1/16 sec.
āma J	
	. cor. on S. bdy. of SE/4 sec. 32. Set temp. 1/16 sec.
40.00	cor. at center SE/4, sec. 32.
40.08	Temp. 1/16 sec. cor. on E. bdy. sec. 32, heretofore
	described. entf .ood Pla Continuidad Toparetni day.es
,38-5	F-C2 - REPORT - FOR - SOR - ST - SO - C - 198 - SOR -
. secs.	
TOD . D.	Thence S. 89° 29' W.
	On latitudinal 1/4 sec. line.
19.91	Set temp. 1/16 sec. cor. center W/2 sec. 32.
	·
	Return to temp. 1/16 sec. cor. at center SE/4 sec. 32,
tofore	heretofore described.
	Thence S. 0° 30' W.
9.83	Set temp. 1/64 sec. cor. center, S/2 SE/4 sec. 32.
	Thence S. 89° 45' W
	On latitudinal 1/64 sec. line through center SW/4 SE/4
	sec. 32. Flag on temp. 1/64 sec. cor., center S/2 S/2
4/00	sec. 32, is plainly visible.
11.37	Intersect S. bdy. right-of-way of Atchison Topeka and
	Santa Fe railway, as produced from the East.
-05	Note: A curve in the said right-of-way at this point
	made the production of the South line necessary. This
	curve is from the claim, therefore it will not conflict
.00	with this survey.
	Return to the temp. 1/26 sec. cqr. on the S. boundary of
.588	the SW/4, sec. 32, heretofore described.
	Thence N. 0° 42' E. ALVE THE TOTAL T
.006	
	.efficient and and and a second a second and

STATE OF ARIZONA. On a random meridional 1/16 sec. line. Chains Fall 1 lk. W. of the temp. 1/16 sec. cor. at the center 39.09 of the W/2, sec. 32. On a true meridional 1/16 sec. line thru center SW/4, sec. 32. The temp. 1/16 sec. cor. on S. boundary of the SW/4, 39.09 sec. 32. September 4, 1915. BOUNDARIES OF CLAIM September 5, 1915. 38/4 88/4. Beginning at cor. No. 1 . 100 03 81.8 Identical with the re-established 1/4 sec. cor. bet. secs. 5 and 32, heretofore described. I chisel 1-H E S 399 on the N. face of same stone. No witnesses available. Lat. 35° 14' 05" N., Long. 112° 05' 46" W., obtained from the spe cial instructions of the Surveyor General, and later verified. Mag. decl. at 8h. 00m. a.m., 1.m.t., 14º 54' E. Thence S. 89° 51' W. On line bet. secs. 5 and 32. 4.35 10.02 To cor. No. 2, and C. C. on line bet, secs. 5 and 32. Also point for 1/64 sec. cor. on the S. boundary of the SE/4 SW/4, sec. 32. Set a sandstone 24 x 10 x 8 ins., 14 ins. in the ground, over broken glass. I chisel a cross at the point, 2 - H E S 399 on the NE. face, C C on the N. face; and

raise a mound of stone 2 ft. base, 1-1/2 ft. high, N.

of cor. whence:

3-2349

TERRITUSAYAN NATIONAL FOREST

STATE OF ARIZONA ATS

Chains

A pine, 7 ins. dia., blazed and scribed

2 H E S 399 + B T, bears S. 71° 15' W.,

58 lks. dist.

A pine, 8 ins. dia., blazed and scribed

2 H E S 399 + B T, bears S. 7º 49' E.,

103 lks. dist.

Note: After careful and diligent search no evidence ... of the cor. of the listing survey was found.

Thence N. O° 36' E.

September 4, 191.

Over level ground. On mean course bet. E/2 and W/2 of SE/4 SW/4.

Beginning at cor. No. 1

2.18 To cor. No. 3.

of the SE/4 SE/4

SW/4, sec. 32 with the S. line of the Atchison Topeka
and Santa Fe Railway Right of Way as produced from
the tanget to the East.

Set a malpais stone 20 x 12 x 10 ins. (no longer stone available), 12 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point and 3 - H E S 399 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., whence:

A pine, 6 ins. dia., blazed and scribed

3 H E S 399 + B T, bears N. 81° 29' W.,

49 lks. dist.

A pine, 6 ins. dia., blazed and scribed of H E S 399 + B T, bears S. 48° 04' W.,

39 lks. dist.

Note: After careful and diligent search no evidence of the cor. of the listing survey was found.

E 3 388 on the HE. Mace, Cap on the H. fade:

Thence N. 67° 45' E. I a Made to the on a salar

or cor. thence;

STATE OF ARIZONA

Chains	On the S. line of the Atchison Topeka and Santa Fe
.80290	Railway Right of Way produced from the East.
5.60	Wire fence, bears N. and S.
6.00	Wire fence, bears E. and W. Lana a revo . Anyona
7.10	Road, bears L. and W. and W. and B. second & forles
20.04	W. C. to cor. No. 4.
	Set a sandstone 20 x 6 x 4 ins. (no longer stone avail-
	able), 12 ins. in the ground, over broken glass. I
	chisel a cross at the point, W.C - 4 H E S 399 on
	the S. face; and raise a mound of stone 2 ft. base,
	1-1/2 ft. high, S. of cor. No bearings available,
	pits impracticable.
20.29	To point for cor. No. 4. At intersection of latitudinal
9113	1/64 sec. line through SW/4 SE/4, sec. 32, with
.ani	Atchison, Topeka and Santa Fe Railway Right of Way.
, bu	In center of well travelled road near gate of Right
	of Way fence. I mark this point by driving a galvan-
e, end	ized iron bar, 3/4 in. dia., 30 ins. long, 30 ins.
	in the ground and has seen . a east no . all
	Note: After careful and diligent search no evidence of
ribed	the corner of the listing survey was found.
W 17	VOEN TO THE PART OF THE PART O
	Thence N. 89° 45' E.
iped	On latitudinal 1/64 sec. line bet. N/2 and S/2 SW/4
Ţ.,	, SE/4, sec. 32.
0.25	W. C. to cor. No. 4.
9.10	Set a malpais stone 24 x 10 x 8 ins., 14 ins. in the
.tais .a	ground, over a small stone marked with a cross. I
erotore	chisel a cross at the point and W. C. 4 H E S 399 on
	the S. face; and raise a mound of stone 2 ft. base,
	1-1/2 ft. high S. of cor.
	No bearings available. Pits impracticable.
4.35	Wire fence, bears N. and S

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains 11.37

To cor. No. 5, also point for 1/64 sec. cor. at the center of the S/2 of the SE/4, sec. 32.

Set a malpais stone 24 x 12 x 8 ins., 14 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point and 5 - H E S 399 on the SW. face; and raise a mound of stone 3 ft. base, 2 ft. high, Sw. of cor. a z 03 energy s tel

No bearings available. Pits impracticable.

Thence S. 0 . 30 W. om a salar bas : esal . eas

Along meridional 1/16 sec. line bet. E/2 and W/2 .efdeolfeergmi stic SE/4, sec. 32.

oroga at the boint. V.

9.83

To cor. No. 6, and C. C. on line bet. secs. 5 and 32, Also point for 1/16 sec. cor. on the S. line of the SE/4, sec. 32. Set a malpais stone 18 x 12 x 6 ins. (no longer stone available), 12 ins. in the ground, over broken glass. I chisel a cross at the point, 6 - HE S. 399 on the NW: face, C C on the N. face, and 1/16 S. on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor., whence:

> A yellow pine, 30 ins. dia., blazed and scribed 1/16 - 6 H E S 399 + B T, bears N. 41° 47' W., 189 lks. dist.

A yellow pine, 9 ins. dia., blazed and scribed 1/16 -6H E S 399 + B T, bears S. 41° 33' W., .4 .01 .100 of .0 .T dego 197 lks. dist.

> The cor. to secs. 4, 5, 32 and 33, heretofore described, bears N. 89° 51' E.; 20.03 chs. dist. The 1/4 sec. cor. bet. secs. 5 and 32, heretofore described, bears S. 89° 51' W., 20.03 chs. dist.

. 11.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

	Road, bears N. and S.
1.65	Wire fence, bears N. and S.
20.03	To cor. No. 1, the place of beginning.

AREA

Total Area - - - - - - - - - - - - 22.36 acres

IMPROVEMENTS

Approximately 1/2 mile of wire fence.

Value ----- \$ 50.00

ea.os .a 'a.

Other improvements consist of house, barn and fences situated on the legal subdivisional portion of the claimant's entry.

DESCRIPTION

This claim is situated at the foot of the N. slope of Davern Hill. The soil is a clay loam and will produce good crops of hay, grain, and vegetables. Approximately 10 acres were under cultivation.

Water for domestic purposes is obtained from a spring a short distance SW. of cor. No. 1 of this survey. The overflow from this spring also supplies water for a small stock tank. Irrigation is not possible on the claim.

There is no timber of commercial value on the claim.

I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

The claim is joined on the North by the Right -of-Way of the Atchison, Topeka and Santa Fe Railway, and on the East and South by the legal subdivisional portion

Form 85. 12.

HOMESTEAD ENTRY SURVEY NO. 399

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

of the claimant's entry 014809, which consists of the following: W/2 SE/4 SE/4 SE/4, SW/4 SE/4 SE/4, sec. 32, T. 22 N., R. 3 E., and the NE/4 NE/4 NW/4, NW/4 NW/4 NE/4, N/2 SW/4 NW/4 NE/4, W/2 NE/4 NW/4 NE/4, NW/4 NE/4, NE/4 NW/4 NE/4, NW/4 NE/4, NE/4 NW/4 NE/4, NW/4 NE/4, NE/4 NE/4, Sec. 5, T. 21 N., R. 3 E.

Williams, the nearest post office and market point, is 6 miles in a westerly direction.

			, 904	TRAV	ERSE			
	Cour	rse	. 0.0	Dist.	N	S	E	M
s.	89°	51'	W.	10.02	e fenet	0.03		10.02
N.	0°	361	E.	2.18	2.18		0.02	
N.	67°	45'	E.	20.29	7.68		18.78	
N.	89°	45'	E.	11.37	0.05		11.37	
s.	00	30'	W.	9.83		9.83	i mials	0.09
s.		1130 J		20.03	9.91	0.05 9.91 9.91	30.17	20.03
Er				and Dep.		.00	.03	
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Su	rvey	com	plet	ted Septe				

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Surveyor - Draftsman

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STATE OF ARIZONA

Chains Direct Solar at 1/4 cor. bet. secs. 5 and 32. September 4, 1915. Position 1.m.t. Horizontal Vertical Telescope Angle Angle Direct 7h. 20m. 32s. 84° 34' 30" 20° 35 ' 30" Reverse 7h. 2lm. 15s. 85° 02' 00" 20° 13' 00"

Mean 7h. 20m. 54s. 84° 48' 15" 20° 24' 15"

Ref. corr. for elevation 01' 58"

Alt. 20° 22' 17" Lat. 35° 14' 05" N. Long. 112° 05' 46" W. = 7h. 28m. 23s. Elev. 7600 ft. 12h. - 7h. 28m. 23s. = 4h. 31m. 37s. \(\tau_1 \)
7h. 20m. 54s. - 4h. 31m. 37s. = 2.82h. \(\text{Decl.} = 7\circ 29' 49.1" - 0\circ 02' 35.5" = 7\circ 27' 14". \(\text{} \) log. sin. 7° 27' $14'' = 9.113034^{\vee}$ log. cos. 35° 14' $05'' = 9.912113^{\vee}$ log. cos. 20° 22' $17'' = 9.971951^{\vee}$ 9.884064^{\vee} 9.228970 = log. .16942 log. tan. 35° 14' 05" = 9.849008 / 10g. tan. 20° 22' 17" = 9.569758 / 9.418766 = log. _.26228 / Position 1.m..t. Horizontal Vertical Telescope Angle Angle Direct 7h. 22m. 03s. 84° 20' 00" 20° 53' 00"

Reverse 7h. 22m. 47s. 84° 47' 30" 20° 32' 00"

Mean 7h. 22m. 25s. 84° 33' 45" 20° 42' 30"

Ref. corr. for elev. 01' 56" 01' 56" / 20° 40' 34" Alt. log. sin. 7° 27' 14" = 9.113034/ log. cos. 35° 14' 05" = 9.912113/ log. cos. 20° 40' 34" = 9.971086 9.883199 9.229835 = log..16976 log. tan. 35° 14' 05" = 9.849008 / log. tan. 20° 40' 34" = 9.576793 / 9.425801V= log..26656 Cos. Azimuth .09680 = S. 84° 26' 41" E. 84° 33' 45" Azimuth Bearing of reference Object,

S. 0° 07' 04" W.

NATIONAL FOREST

STATE OF

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Chains . 88 Bha d . sees . ted . roo A/I ts relos terill
                                  September 4, 1916.
         Isolatov.
                               LadrozivoH .t.m.L
                               elgal
                           Direct 7h. 80m. 88s. 84° 34' 30"

Reverse 7h. 21m. 16s. 85° 08' 00"

Mean 7h. 80m. 54s. 84° 48' 15"

Ref. corr. for elevation.
                              Lat. 35° 14' 05" N.
Long. 112° 051 46" W. = Vh. 28m. 23s.
                                                                      Blev. 7600 ft.
            12h. - 7h. 28m. 25s. = 4h. 51m. 37s.
7h. 30m. 54s. - 4h. 51m. 37s. = 2.82h.
Deel. = 7° 29' 49.1" - 0° 02' 55.5" - 7° 27' 14".
                                       log. sin. 7° 27' 14" = 9.13084
log. cos. 55° 14' 05" = 9.912113
log. cos. 20° 22' 17" = 9.971951
             3.228970 = log. .16942
             log. tam. 20° 22' 17" = 9.849008
log. ten. 20° 22' 17" = 9.569758
9.418766 = log. .26228
         lainosiroH .t.m.1
         Legittel
                               7h. 22m. 058. 849 20' 00"
       "00 '83 '0S
                               7h. 22m. 47s. 84° 47' 30"
7h. 22m. 2ps. 84° 32' 4p"
7h. 22m. 2ps. 84° 32' 4p"
Alt.
             20° 88'
20° 42'
01'
20° 40'
                  log. cos. 55° 14' 05" = 9.135054

log. cos. 56° 14' 05" = 9.918115

log. cos. 80° 40' 84" = 9.971086

9.883199

106. ton. 35° 14' 05" = 9.848008

log. ton. 25° 14' 05" = 9.848008

log. ton. 20° 40' 34" = 9.576798

106. 26656
              Cos. asimuth = 8. 64 26' 45' 45'
                                                Bearing of reference Object,
               07 OA
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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.

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

The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas does not the Commissioner.

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

S-2349 TABLING	AND	CALCULATIONS OF H	HOMESTEAD ENTRY	NTRY SURVEY	NO. 399	STATE	E OF Arizona.	a. Tusayan		
CORNERS.	BEARING.	DISTANCE.	LATITUDES.	DES.	DEPARTURES.	rures.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
			North.	Вочтн.	EAST.	West.				
2-2	S. 89° 51' W.	10.02		0 03		10 02	10 02		02 0	
2-3	N. 0° 36' E.	2.18	2 18		0 02		20 0	0 04		
3-4	670 451	20 · 29	7 68		18 78		18 81	144.46		
4-5	N. 89° 45' E.	11.37	0 05		11 37		48 94	2 45		
5-6	S. 0° 30' W.	9.83		9 83		60 0	60 21		591 86	
1-9	S. 89° 51' W.	20.03		0 05		20 03	40 08		2 00 %	
		73 .72	16 6	16 6	30 17	50 14		146 95	594 16	
			991	991	30 15	30 13			146 95	
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Closing error	ror 1:2457								22 36 acres.	
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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 16, 1918.

The foregoing field notes of Homestead Entry Survey No.

399

executed by Charles D. Hodson, Surveyor-Draftsman

[Forest Service Title.]

under his special instructions, dated August 10 , 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.

U. S. Surveyor General.

8-2349