JUN 2- 1976

MAR. 14.19"8 DEC. 16.1918

FIELD NOTES

FOREST SERVICE

MENT OF AGRICULTURE

OF

HOMESTEAD ENTRY SURVEY NO. 400

SITUATED IN THE TUSAYAN

U. S. DEPART

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 18 , -surveyed, Township 24 No, Range 3 E.

of the

Gila and Salt River Base & Meridian.

State of ARI ZONA

Applicant for listing A. K. Hawkins,

Residence

Williams, Arizona.

Application No. 159

, dated

October 19 , 19 10

List No.

3-1925 V

, dated

May 24

, 1912 /

Applicant for survey Alfred K. Hawkins,

Residence

Williams, Arizona.

H. E. No. 025001 , dated

April 28 , 19 14 V

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 11, 1915

Survey completed

September 15, 1915

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

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. 400 , 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.

le s	UN.	Bae	el	F	Cha	inme	an	
D	6	20	ro	e is	eli	2	Chainmar	1

Subscribed and sworn to before me this

lst

day of

October

, 1915 .

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. 3-1925 , dated May 24 , 1912 , for Patent , under the Act of June 11 , 1906 , the same to be known as Homestead Entry Survey No. 400 , situated within the TUSAYAN National Forest, in surveyed Section 18 , Township 24 No. , Range 3 Eo. , and surveyed Section - - - - , Township - - - - , 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.

arks D'Hodson

Surveyor - Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this

, 19 /5.

eight

day of

SEAL.

Elsie C. Muyers Motory Eublie

STATE OF ARIZONA.

Chains Applicant for listing, A. K. Hawkins; Application No. 159, dated October 19, 1910; List No. 3-1925, dated May 24, 1912; H. E. 025001, made in the Phoenix Land Office on April 28, 1914, by Alfred K. Hawkins.

> Surveyed under special instructions from the Surveyor General for Arizona, dated August 10, 1915, and designated as Homestead Entry Survey No. 400.

Situated in Sec. 18, T. 24 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 4,1915. and to the corresponding meridian all the coursespor

Survey commenced September 11, 1915, and executed with a Buff and Buff transit No. 9700-6, equipped with Smith betoerroe affreedeedde ons addalae bemaas na no nar solar attachment.

I test the adjustments of the transit and make necessary corrections.

All measurements were made directly on the slope with an 800 link steel tape. The slope angles were determined with a clinometer.

September 13, 1915.

cell

At the point for the 1/4 cor. bet. secs. 7 and 18, I observe the altitude of the sun for azimuth. My watch is set for local mean time, and correction was made to apparent time. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field.

. Lat. 35° 28' 02" N., Long. 112° 06' 55" W., obtained from the Surveyor General's special instructions, and later verified.

On a random line bet. secs. 7 and 18. 38.05 After osreful and diligent search I am unable to find

any trace of the 1/4 cor. bet. secs. 7 and 18.

38.03

HOMESTEAD ENTRY SURVEY NO. 400

TERROTUSAYAN NATIONAL FOREST

STATE OF ARIZONA ATS

Chains	Position : Apparent . Horizontal Justical Manado
bed	Telescope Time Angle Angle as , dated October 19, 1910; July 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,
	Direct 2h. 32m. 42s. 57° 21' 30" 42° 37' 00'/ (1) conf end ni east, 100830 . a. H; 101, 43 yak
	Reverse 2h. 33m. 22s. 56° 49' 30" 43° 01' 30" Mean 2h. 33m. 02s. 57° 05' 30" 42° 49' 15"
707	Mean 2h. 33m. 02s. 57° 05' 30" 42° 49' 15"
-0:003	Bearing of reference object, S. 0° 04' 24" E.
0.44	Direct 2h.34m. los. 57° 44' 00" 42° 21' 30"
450	Reverse 2h. 34m. 54s. 57° 14' 30" 42° 44' 00"
	Mean 2h. 34m. 32s. 57° 29' 15" 42° 32' 45"
Torra	Bearing of reference object, S. 0° 04' 23" E.
arer A	The mean of the two observations is S. 0° 04' 23" E.,
3141,1	and to the corresponding meridian all the courses of
of the second	this survey are referred.
National of	Note: The retracements made on September 11 and 13 were
The Company of	run on an assumed azimuth, and subsequently corrected
TTERRE	to the meridian as above determined.
Paris Con	
	September 13, 1915.
ns dit	September 13, 1915. Enorgoines odole ent no vitoerib eban erew strenerussem IIA
ith an	v equis ent no vitoerib eben erev stremerssem IIA
	equis ent no virgorif eben erew strenerssem IIA.
	equis ent no vitaeria eben erew stremerussem IIA. RETRACEMENT Telegram equis ent equi feeta Muil 000 September 11, 1915.
	RETRACEMENT september 11, 1915. Beginning at the cor. to secs. 7, 12, 13, and 18, T. 24
beniure	RETRACEMENT September 11, 1915. Beginning at the cor. to sees. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows:
behinted -do 1	RETRACEMENT September 11, 1915. Beginning at the cor. to secs. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins. 6 ins. in the
-do 1 dots	RETRACEMENT September 11, 1915. Beginning at the cor. to secs. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins. 6 ins. in the
-do 1 dots	RETRACEMENT September 11, 1915. Beginning at the cor. to sees. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins., 6 ins. in the ground, over a cross marked on bed rock, marked with 2 notches on N. edge and 4 notches on S. edge, and
Lob- vatch last to	RETRACEMENT September 11, 1915. Beginning at the cor. to sees. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins., 6 ins. in the ground, over a cross marked on bed rock, marked with 2 notches on N. edge and 4 notches on S. edge, and
Lob- vatch last to	RETRACEMENT September 11, 1915. Beginning at the cor. to secs. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins., 6 ins. in the ground, over a cross marked on bed rock, marked with 2 notches on N. edge and 4 notches on S. edge, and surrounded by a mound of stone 5 ft. base, 1-1/2 ft. high: and raise a mound of stone 3 ft. base. 2 ft.
l ob-	RETRACEMENT September 11, 1915. Beginning at the cor. to secs. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins., 6 ins., in the ground, over a cross marked on bed rock, marked with 2 notches on N. edge and 4 notches on S. edge, and surrounded by a mound of stone 5 ft. base, 1-1/2 ft. high; and raise a mound of stone 3 ft. base, 2 ft.
L ob-	RETRACEMENT September 11, 1915. Beginning at the cor. to secs. 7, 12, 13, and 18, T. 24 N., Rs. 2 and 3 E., which point I determine from call of the witness trees described by the Surveyor General. I restore the sec. cor. as follows: Set a malpais stone 30 x 16 x 10 ins., 6 ins. in the ground, over a cross marked on bed rock, marked with 2 notches on N. edge and 4 notches on S. edge, and surrounded by a mound of stone 5 ft. base, 1-1/2 ft. high; and raise a mound of stone 3 ft. base, 2 ft. high. W. of cor.

After careful and diligent search I am unable to find

any trace of the 1/4 cor. bet. secs. 7 and 18.

---2349

Form 85. Sheet No. 2.

	Chains 78.03	At recorded distance for old cor. secs. 7, 8, 17 and 18,
	.bediro	I make careful search for cor. but fail to find any
		evidence of same.
	85.99	Fall 242 lks. N. of cor. to Secs. 7, 8, 17 and 18, a
		sandstone 12 x 6 x 12 ins. above ground, marked and
		witnessed as described by the Surveyor General.
		Thence N. 88° 23' W. soes . Jed entl'mobner s mo
	. E4,	On a true line bet. secs. 7 and 18. at 18 1184 13.04
	40.00	After careful and diligent search I am unable to find
	.is	any evidence of the 1/4 cor. bet. secs. 7 and 18.
	44.10	(Apportioned distance). Set a malpais stone 20 x 16 x 8
		ins., 14 ins. in the ground, over a small stone marked
		with a cross for 1/4 sec. cor., marked 1/4 S on N. face;
		and raise a mound of stone 2 ft. base, 1-1/2 ft. high,
	ind .	N.of cor., whence: sinesilib and Luterso resta 20.78
	.0	bos 81A pinon, 10 ins. dia., blazed and scribed
	nd 20,	ef .81 .1/4.S.7.B.T. bears N. 25° 00' W. 325 lks. dist.
	āns	A pinon, 14 ins. dia., blazed and scribed
		1/4 S 18 B T, bears S 36° 41' W., 145 lks. dist.
	66.15	Set temporary point and flag for 1/16 cor. on N. bdy.
		NW/4, Sec. 18. ng BI .soed .ted enil erri a no
	86.02	The cor. to secs. 7, 12, 13 and 18, heretofore de-
		scribed hoerent eeneblye on bail
0		Thence S. 20 OA! The
		Thence S. 2° 04' E. Series 100 . 300 A\f rot , basors and is for flag on 1/4
	3/1-8	On a true line bet. secs. 13 and 18 for flag on 1/4
	. high. 41.48	The 1/4 cor. bet. secs. 13 and 18, which is plainly visible.
	Michigan Version of the Control of	x 8 ins. above ground, marked and witnessed as de-
		scribed by the Surveyor General.
	•	Thence N. 2° 04' W.
		On true line bet. secs. 13 and 18.
	20.74	Set temporary 1/16 sec. cor. on W. bdy. NW/4, sec. 18.

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STATE OF ARIZONATATE

Chains 31.11	Set temporary 1/64 sec.cor. on W. bdy. NW/4 NW/4, Sec.18.
41.48	The cor. to secs. 7, 12, 13 and 18, heretofore described.
	evidence of same.
	Return to the 1/4 cor. bet. secs. 13 and 18, heretofore
end	bedescribed. Ta evods . snf Sl x & x & snovehnse
	Thence South will and yo bediresed as bessendiw
	On a random line bet. secs. 13' and 18. I someth
40.21	Fall 81 1ks. W. of the cor. to secs. 13, 18, 19 and 24,
bail	a juniper post, 4 x 4 ins. x 2 ft. above ground, marked
	and witnessed as described by the Surveyor General.
8 x 8f	Return course N. 1° 09 W., 40.22 chs.
healtan	ins., 14 ins. in the ground, over a small stone
D. Isco	Thence East. Tam ros . oss 4/1 rot saors s diw
. nign.	On a-random line bet. secs. 18 and 19.
37.94	After careful and diligent search I am unable to find
	any evidence of the 1/4 cor. bet. secs. 18 and 19.
.82.37.	Fall 209.1ks. N. of the cor. to secs. 17, 18, 19 and 20,
	a sandstone 10 x 8,x 5 ins. above ground, marked and
.Jaib	witnessed as described by the Surveyor General.
. The	Thence N:088º133 W. Ball one thiod visionet tea 61.88
	On a true line bet. secs. 18 and 19:
40.00	I again make careful search for the 1/4 sec. cor. but.
	find no evidence thereof.
42.29	(Apportioned distance). Set a juniper post, 36 x 6 x 6 ins.
	24 ins. in the ground, for 1/4 sec. cor., marked 1/4 S
The state of the s	on N. face; dig pits 24 x 24 x 12 ins. E. and W. 3-1/2
i.eLd.	ft.; and raise a mound of earth 4 ft. base, 2 ft. high,
	N. of cor., whence:
-0	A juniper, 8 ins. dia., blazed and scribed 1/4
	S 18 B T, bears N. 70° 53' E., 53 lks. dist.
	Inence M. E. O4. W.
	. 81 Ans 81 . sees . 1ed emil sunt mo

20.74 Set temporary 1/16 sec. cor. on W. bdy. HW/4. sec. 18.

Chains	A juniper, 6 ins. dia., blazed and scribed and scribed
	1/4 S 19 B T, bears S. 9° 55' W., 60 lks. dist.
82.40	The cor. to secs. 13, 18, 19 and 24, heretofore de-
	scribed. September 11, 1915.
	Recure course S. C. SAV E., 61.85 cast
	September 13, 1915.
	Return to cor. secs. 17, 18, 19 and 20, heretofore
	described.
	Thence North.
.04	On a random line bet. secs. 17 and 18.
40.00	After careful and diligent search I am unable to find
	any evidence of the 1/4 sec. cor.
81.37	Fall 125 lks. W. of the cor. to secs. 7, 8, 17 and 18,
	heretofore described.
Smark	Thence S. 0° 53' W. O AND SATE OF THE STATE
40.69	On a true line bet. secs. 17 and 18. Apportioned distance), / Set a malpais stone 16 x 12 x 12 ins., 11 ins. in the
1 1 3 3	ground, over a small stone marked with a cross, for
	the 1/4 sec. cor., marked 1/4 Son W. face; and raise
	a mound of stone 2 ft. base, 1-1/2 ft. high, W. of
	cor., whence:
	A juniper, 18 ins. dia., blazed and scribed
	1/4 S 17 B T, bears N. 27° 56' E., 81 lks.
	dist.
	A juniper, 20 ins. dia., blazed and scribed
	1/4 S 18 B T, bears N. 46° 05' W., 34 lks.
. Lef Do	.S/M S/M dist. to Moo to L to Mothing . smet des 18.00
81.38	The cor. to secs. 17, 18, 19 and 20 heretofore described.
	. Seturn to temp. 1/16 cor. at denter M/2, sec. 18.
	Beginning at the 1/4 cor. bet. secs. 18 and 19.
e A	Awar a good of the contract of

TETUSAYAN NATIONAL FOREST

STATE OF ARIZONATIATE

	11111
Chains	Thence North. and
.tabb	On a random meridional 1/4 sec. line.
81.55	Fall 57 lks. E. of 1/4 cor. bet secs., 7 and 18, here-
	tofore described.
	Return course S. 0° 24' E., 81.55 chs.
	Part of the second seco
a de	Return to the 1/4 cor. bet. secs. 13 and 18.
	Thence East.
	On a random latitudinal 1/4 sec. line.
83.91	Fall 156 lks. N. of the 1/4 cor. bet. secs. 17 and 18,
for big	heretofore described.
	Thence N. 88° 56' W. All ont to constitute when
, 3,5 (5)	On,a true latitudinal 1/4 sec. line.
43.17	Intersect the meridional 1/4 sec. line at 40.45 chs.
	N. 0° 24' W. of the 1/4 cor. bet. secs. 18 and 19 and
	at 41.10 chs. S. 0° 24' E. of the 1/4 cor. bet. secs.
ent 1	7 and 18, and set temp. point for C 1/4 S.
64.63	Set temp. point for 1/16 sec. cor. at SE. cor. Lot 2.
83.92	The 1/4 cor. bet. secs. 13 and 18.
To .	September 13, 1915.
Ď.	September 14, 1915. A ARE AL . The tark
. 63	Returning to temp. C 1/4 S.
	Thence N. 0° 24' W.
- Be	On meridional 1/4 sec. line.
20.55	Set temp. 1/16 cor. at center N/2, sec. 18.
30.82	Set temp. point for 1/64 cor. at center N/2 N/2, sec. 18.
haditoss	b ero, otared 08 for Br. Bf. Tf. Base of . Too. adm . Bf. fc.
	Return to temp. 1/16 cor. at center N/2, sec. 18.
	Thence N. 88° 40' W. Too A/I ent to gainnings
	On a true latitudinal 1/16 sec. line through NW/4,

. 7.

n Tusayan National Forest

STATE OF ARIZONA

Chains	sec. 18, for flag on 1/16 cor. on W. bdy. 1W/4, sec.
	18, which is plainly visible.
3.00	Set temp. point for cor. of this survey.
41.33	The point for 1/16 cor. on W. bdy. NW/4, sec. 18.
-its	Most acid the erack . Edg Cp. S on M. of . Cook . Acid Cook . Store
	Return to temp. 1/16 cor. at SE. cor. Lot 2.
	Thence N. 1° 14' W.
	On a true meridional 1/16 sec. line through NW/4,
. The said	sec. 18, for flag on temp. 1/16 cor. on N. bdy. NW/4,
	sec. 18, which is plainly visible.
20.65	Intersect latitudinal 1/16 sec. line at 21.75 chs. N. 88°
	40' W. of the point for 1/16 cor. at center N/2, sec.
	18 and at 19.58 chs. S. 88° 40' E. of the point for 1/16
	sec. cor. on W. bdy. NW/4, sec. 18. Set temp. point
	for 1/16 cor. and cor. of this survey.
41.29	The temp. 1/16 cor. on N. bdy. NW/4, sec. 18.
	Talb . of Date .
S.F.	Return to point for 1/64 cor. at center N/2 N/2, sec. 18.
7.F	Return to point for 1/64 cor. at center N/2 N/2, sec. 18. Thence N. 88° 31' W.
.8	
. s.	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2
no fi	Thence N. 88° 31' W.
	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18for flag on 1/64 cor. on W. bdy. N/2
tenst	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18 for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible.
3.00	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey.
3.00	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey. Intersect meridional 1/16 sec. line at 30.97 chs. N. 1°
3.00	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey. Intersect meridional 1/16 sec. line at 30.97 chs. N. 1° 14' W. of the temp. 1/16 cor. at the SE. cor. Lot 2, and
3.00	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey. Intersect meridional 1/16 sec. line at 30.97 chs. N. 1° 14' W. of the temp. 1/16 cor. at the SE. cor. Lot 2, and at 10.32 chs. S. 1° 14' E. of the temp. 1/16 cor. on the
3.00	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey. Intersect meridional 1/16 sec. line at 30.97 chs. N. 1° 14' W. of the temp. 1/16 cor. at the SE. cor. Lot 2, and at 10.32 chs. S. 1° 14' E. of the temp. 1/16 cor. on the N. bdy. NW/4, sec. 16. Set temp. point for cor. of
3.00	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec. 18 for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey. Intersect meridional 1/16 sec. line at 30.97 chs. N. 1° 14' W. of the temp. 1/16 cor. at the SE. cor. Lot 2, and at 10.32 chs. S. 1° 14' E. of the temp. 1/16 cor. on the N. bdy. NW/4, sec. 16. Set temp. point for cor. of this claim.
3.00 21.90 41.63	Thence N. 88° 31' W. On a true latitudinal 1/64 sec. line through N/2 NW/4 sec.18 for flag on 1/64 cor. on W. bdy. N/2 NW/4 sec. 18, which is plainly visible. Set temp. point for cor. of this survey. Intersect meridional 1/16 sec. line at 30.97 chs. N. 1° 14' W. of the temp. 1/16 cor. at the SE. cor. Lot 2, and at 10.32 chs. S. 1° 14' E. of the temp. 1/16 cor. on the N. bdy. NW/4, sec. 16. Set temp. point for cor. of this claim. The temp. 1/64 cor. on the W. bdy. of Lot 1.

TUSAYAN NATIONAL FOREST

1	
Chains	BOUNDARIES OF CLAIM
	September 15, 1915. The september 15, 1915.
	Beginning at cor. No. 1. 100 you make the co.
	on the latitudinal 1/64 sec. line through the N/2
	NW/4, sec. 18, and 3.00 chs. westerly from the meri-
	dional 1/4 sec. line through sec. 18.
	Set a malpais stone 24 x 12 x 6 ins., 14 ins. in the
	ground, over a small stone marked with a cross, I
100/4.5	chisel a cross at the point, 1 - H E S 400 on the SW.
	face; and raise a mound of stone 2 ft. base, 1-1/2 ft.
808 4 W	high, SW. of cor., whence:
.005	A pinon, 10 ins. dia., blazed and scribed
1/1 301	1 H B S 400 + B T, bears N. 66° 16' E.,
Julo	21 lks. dist.
	A pinon, 10 ins. dia., blazed and scribed
	1 H E S 400 + B T, bears N. 12° 30' E.,
76	64 lks. dist.
.bl .sa	The 1/4 cor. bet. secs. 7 and 18, previously
	described, bears N. 16° 02' E., 10.61 chs.
	dist., by direct measurement.
	Lat. 35° 27' 53" N., Long. 112° 06' 56" W., taken from
	the Surveyor General's special instructions, and later
	verified. To any and the to the total to the total tot
° L - 11	Mag. decl. at 8h. 00m. a.m., 1.m.t., 14° 49' E.
ph , s, o	Mean mag. decl. 14° 46.3' E.
ont no .	
10	Thence S. 0° 24' E.
	Asc. 10 ft. over juniper covered rocky NNW. slope.
7.20	Top of asc., bears ENE. and WSW.
10.28	To cor. No. 2. educates
	On latitudinal 1/16 sec. line and at 3.00 chs. Westerly
	from the meridional 1/4 sec. line.
The state of the state of	

STATE OF ARIZONA

Chains

Set a malpais stone 22 x 12 x 6 ins. (no longer stone available), 14 ins. in the ground over a small stone marked with a cross. I chisel a cross at the point, . 2 - H E S 400 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., whence:

A pinon, 10 ins. dia., blazed and scribed 2 H E S 400 + B T, bears N. 9. 41' W., ent li .ani al 26. 1ks. disti m Ad enote eisglem a tee

. . . . A pinon, 6 ins. dia., blazed and scribed of no 004 2 H E S 400 + B T. bears N. 44° 55' E., face; and raise a mound o.tsino.csi 26 lks. dist. o bnuon a esist bna; esaî

Thence N. 88° 40' W.

'Along latitudinal 1/16 sec. line. Desc. 5 ft. over W. slope.

- Dry wash, 25 lks. wide, 3 ft. deep, course N. Asc. 1.10 5 ft.
- Fence, bears N. and S.
- 18.75 To cor. No. 3 and point for 1/16 sec. cor. Ta 288 . sonado At N. edge of cultivated land.

Set a malpais stone 20 x'10 x 6 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,. 3 - H E S 400 on the NE. face and 1/16 on the SE. face, No bearings available, therefore dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft.;

base, 3 ft. high No. of cor.

Thence N. 1º 14' W.T. W to . Bdo 00.05 yferskixorgg

Desc. 5 ft. along meridional 1/16 sec. line through

and raise a mound of stone, covered with earth, 6 ft.

10.

HOMESTEAD ENTRY SURVEY NO. 400

TUSAYAN NATIONAL FOREST

	ANOWINATIO BIALS
Chains	chains set a malpais stone 22 x 32 x 35 inc. (no follower
5.90	Fence, bears E. and W. and M. and Al . (eldelieve
7.50	Dry wash, 15 lks. wide, 2 ft. deep, course WNW., and
To	asc. 10 ft. over SSW. slope.
10.32	To cor. No. 4 and point for 1/64 sec. cor.
	At intersection with the 1/64 sec. line through the
	N/2 NW/4, sec. 18.0 . 0 4 00 4 B H B
	Set a malpais stone 24 x 10 x 6. ins., 14 ins. in the
	ground, over a small stone marked with a cross. I
	, chisel a cross at the point, 4 - H E S 400 on the SE.
	face; and raise a mound of stone 2 ft. base, 1-1/2 ft.
	high, SE. of cor., whence:
	A pinon, 7 ins. dia., blazed and scribed
	4 H E S 400 + B T, bears N. 10° 57' E.,
	165 lks. dist.
	A juniper, 12 ins. dia., blazed and scribed
	4 H E S 400 + B T, bears S. 34° 19' W.,
	21 lks. dista has . I ersed .com T 00.3
	Thence S. 88° 31' E
enota	Desc. 15 ft. over SSE. slope along latitudinal 1/64
	sec. line through the N/2 NW/4, sec. 18.
	Foot of slope, thence along gentle NNE. slope of divide.
	To cor. No. 1 and place of beginning.
	No bearings available, agenerage die bite 24 a 24
:. 31 7	estude ordened and AREA sint no estweether course
	Total Area -bereves -, and e la maria a a a a a - 19.37 A.
	bage, 3 ft. nigh H. of cor.
	IMPROVEMENTS
	Approximately 30.00 chs. of wire fence on the metes
rien	orand bounds portion of the claim.
	Value \$40.00

STATE OF ARIZONA

Chains

The house, barn and outbuildings of the claim are situated on the legal subdivisional portion of the claim which is located in sec. 7. There are also about 3 miles of wire and brush fence on the claim.

This claim is situated on a malpais boulder covered flat and takes in the divide just South and East of Smoot Lake.

The soil is a clay loam and will produce fair crops.

Water for all purposes is obtained from Smoot Lake,

situated directly North of this tract.

There is no timber of commercial value on the claim.

I saw no indications of mineral upon the ground.

- CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

Form 85. Sheet No. 2. 12.

HOMESTEAD ENTRY SURVEY NO. 400

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

STATE OF AL ARTZONA
Chains ers misso end to send TRAVERSE has sted , senod end
ent to a Course land Dist due Nagel est no bEtautlaw
00 5.0 0° 24' E.V 10.281 00 800 10.28 010.07
N. 1° 14' W. 10.32 10.32 0.22
S. 88° 31' W. 18.90 0.49 18.89
10.76 18.96 18.96 18.96 18.96 18.96 18.96 18.96
Error in Lat. and Dep01 .00
Closing error, 1:5828.
Survey completed September 15, 1915.
Water for all purposes is obtained from Smoot Iske,
situated directly North of this tract.
There is no timber of commercial value on the claim.
. I saw no indication of mineral upon the ground.
Charles D Hodo
Charles & Hode Surveyor - Draftsman
Charles & Hods Surveyor - Draftsman Application on one event
There are no conflicts.
Inere are no conflicts. The legal subdivisional portion of this claim, more
The legal subdivisions) portion of this claim, more fully described as follows:- SW/4 SE/4 NW/4 SE/4.
The legal subdivisional portion of this claim, more fully described as follows: - SW/4 SE/4 NW/4 SE/4. E/S NW/4 SW/4 SH/4, E/S SW/4 CW/4 SE/4, SW/4 SW/4
The legal subdivisional portion of this claim, more fully described as follows: - SW/4 SE/4 NW/4 SE/4. E/S UW/4 SW/4 SH/4, E/S SW/4 SW/4 SR/4, SW/4 SW/4 SW/4 SW/4.
There are no conflicts. The legal subdivisional portion of this claim, more fully described as follows: - SW/4 SE/4 NW/4 SE/4. E/S NW/4 SW/4 SW/4, E/S SW/4 SW/4, SW/4, SW/4, SW/4, SW/4, SW/4, SW/4, SW/4, WW/4, SE/4, acc. 7. Lot 2, W/S SE/4 NW/4, W/S E/S SS/4 NW/4; S/S S/1
The legal substitutes. The legal substitutional partion of this claim, more fully described as follows: - SW/4 SE/4 NW/4 SE/4. E/S UW/4 SU/4 SE/4, E/S SW/4 SW/4 SE/4, SW/4 SW/4 SW/4 SW/4 SW/4 SW/4 SW/4 SW/4
The legal subdivisional portion of this claim, more fully described as follows: - SW/4 SE/4 NW/4 SE/4. E/8 NW/4 SW/4 SE/4, E/8 SW/4 SW/4 SE/4, SW/4 SW/4 SW/4 SE/4, SE/4 SW/4 SW/4 SE/4, acc. 7. Lot 2, W/2 SE/4 NW/4, W/2 E/2 SE/4 NW/4; S/2 S/2 Lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, NW/4 NE/4, sec. 18, joins this claim on the lot 1, NW/4 NE/4, NW/4 NE/4, Sec. 18, joins this claim on the lot 1, NW/4 NE/4, NW/4
The legal subdivisions portion of this claim, more fully described as follows: - SW/4 SE/4 NW/4 SE/4. E/S HW/4 SW/4 SE/4, E/S SW/4 SW/4 SE/4, SW/4 SW/4 SW/4 SE/4, SE/4 SW/4 NW/4 SE/4, sec. 7. Lot 2, W/S SE/4 HW/4, W/S E/S SE/4 HW/4; S/S S/1 Lot 1, HW/4 HE/4, sec. 18, joins this elsim on the 1. S. and S., that portion on the last being spar- sted by a stock driveway 3.00 who. in width.
There are no conflicts. The legal subdivisional portion of this claim, more fully described as follows: SW/4 SE/4 NW/4 SE/4. E/S NW/4 SW/4 SW/4, E/S SW/4 SW/4 SW/4 SW/4 SW/4 SE/4, SZ/4 SW/4 NW/4 SE/4, acc. 7. Lot 2, W/S SE/4 NW/4, W/S E/S SZ/4 NW/4; S/S S/2 Lot 1, NW/4 US/4, sec. 18, joins this claim on the 1., S. and M., that portion on the East being separated by a stock driveway 3.00 chs. in width. Williams, the nearest post office, railroad and

TUSAYAN NATIONAL FOREST

	STATE OF ARIZONA
Chains	Direct solar obsn. at 1/4 sec. cor. bet. secs. 7 and 18.
	September 13, 1915.
	Lat. 35° 28' 02" N. Long. 112° 06' 55" W. = 7h. 28m. 28s
	Elev. 6500.ft.
	Position Apparent Horizontal Vertical Telescope Time Angle Angle
	Direct 2h. 32m. 42s. 57° 21' 30" 42° 37' 00" Reverse 2h. 33m. 22s. 56° 49' 30" 43° 01' 30" Mean 2h. 33m. 02s. 57° 05' 30" 42° 49' 15"
	Refr. corr. for elev. 50" Alt. corr. for ref. 42° 48' 25"
	7h. 28m. 28s. + 2h. 33m. 02s. = 10h. 01m. 30s.
	Decl. = 3° 57° 28" N.
	log. sin. 3° 57' 28' = 8.8389833 log. cos. 35° 28' 02" = 9.9108631 log. cos. 42° 48' 25" = 9.8654874 9.0626328 = log11551
	log. tan. 35° 28' 02" = 9.8527424 log. tan. 42° 48' 25" = 9.9667213
	57° 05' 30" S.57° 01' 06" W.
	Bearing of reference object, S. 0° 04' 24" E.
	Position Apparent Horizontal Vertical Telescope Time Angle Angle
	Direct 2h. 34m. 10s. 57° 44' 00" 42° 21' 30" 2h. 34m. 54s. 57° 14' 30" 42° 44' 00" 2h. 34m. 32s. 57° 29' 15" 42° 32' 45" Ref. corr. for elev. 50" Alt. corr. for ref. 42° 31' 55"
	log. sin. 3° 57' 28" = 8.8389833 log. cos. 35° 28' 02" = 9.9108631 log. cos. 42° 31' 55" = 9.8674088 9.0607114 = log11500
	log. tan. 35° 28' 02" = 9.8527424 log. tan. 42° 31' 55" = 9.9625385 9.8152809 = log65356

Cos. Azimuth # .53856 Azimuth = S. 57° 24' 52" W.

Bearing of reference obj.

S. 57° 29' 15"

S. 57° 24' 52" W.

S. 0° 04' 23" E.

Mean of two obsns.,

S. 0° 04' 24" E.

S. 0° 04' 23" E.

Form 85. Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Pirect a ler oben. S. 2/4 year por ter, sees. " Chains . eBS . TO S . TO S. T. TONY. LIBY. COV. SET V. C. VID. SEE Uileec in aun ean. eas. . 679 21! SOR 1489 Eavered in Son. Sin. Let wet an 160-1 . To fo fet vitte . Tick 74. 104. Ebn. web. 35m. 026. + 10h. oolm. 30s. 101. San. Ar Ar ac E San a San A tap 30 . W. Jeel to constate to per 40 Alrege Car. Sen. Las. Syo de' Con des la contra de contr .. BUS GO OVE 30 ARBEST . Door in the property of the col.

209 才 acres 10 40 6 398 17 46 37 10 71 S. AREAS. 389 387 DRECTIONS.—1. Carry out calculatio 25 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.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner. 44 . 23 77 N. AREAS. 0 e 10 Arizona. D. 85 18 200 89 DOUBLE M. 13 0 18 0平 STATE 74 23 96 25 37 81 8 93 WEST. 18 18 82 0 0 DEPARTURES. NO. 400 Fq 89 96 3 66 00 66 EAST. 0 18 18 85 04 N. HOMESTEAD ENTRY SURVEY 24 49 77 1076 43 28 37 SOUTH. EH 10 10 0 CZ 81 83 LATITUDES. 18 Sec 44 94 25 60 45 75 27 NORTH. Traverse 10 0 10 0/ 40 CZ 41 83 TABLING AND CALCULATIONS OF 18.75 10.32 18.90 58.25 DISTANCE. 10.28 81.38 86.02 82.40 40.22 41.48 331,50 国 -国 = . A --31. 14' 24 8 53 BEARING. 33 60 04 1:5825 Closing error, 1:4244 0 880 88 88 ô o S A 2 Sheet No. 3.—Revised Feb., 1915. N. 1 2 3 Clesing error, CORNERS 1-2 2-3 3-4 4-1

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 16, 1918.

The foregoing field notes of Homestead Entry Survey No.

400

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 ar lanations 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.