U. S. DEPAR MENT OF AGRICULTURE

FOREST SERVICE

SEP.4-1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 470

MAN. 20. 1918

SITUATED IN THE

COCONINO

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 17 , unsurveyed, Township 17 N. , Range 3 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

27806 is entry of ad stufes

Applicant for listing Lee Smart,

Residence

Clarkdale, Arizona

Application No.

, dated dated

February 24 May 3

, 1913 and

List No.

3-2522

406

, dated

March 17

, 19 15 V

Applicant for survey

Lee Smart.

Residence H. E. No. 024099

dated

Clarkdale, Arizona ated April 27,

1914 and

H. E. No. 027806 , dated

July 10

, 1915

Office Land District

Phoenix, Arizona

Survey executed by R. P. A. Johnson,

Surveyor - Draftsman [Forest Service Title.]

Under special instructions dated

May 16

, 19 16

Survey commenced

May 25

, 1917

Survey completed

May 26

, 1917

Under Acts of June 11, 1906 and August 11, 1916

[OVER]

OATH OF ASSISTANTS
We hepeby certify that we assisted
Tuvering Title.] raftsman in surveying all those
[Priest Service Title.]
parts or portions of Homestead Entry Survey No. 4 70, in the State
of Augustal 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 Junora
Note: It would have been Charles Chairman
Note: It would have been Charly blues, Chainman very expensive and incon-
venient to appear before an
officer to administer oaths
to Assistants; hence, they
were taken by the Surveyor.
were taken by the surveyor.
Subscribed and sworn to before me this facult day of
Subscribed and sworn to before me this day of
10/7 (4)
June, 19/7. (K) Lohnson
Surveydy Malleman
The state of the s
OATH OF SURVEYOR
A CONTROL SOURCE OF THE SECOND AS A SECOND
T (I & Johnson Jurveyor Frafisman
[Forest Service Title.]
do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for house one, dated
// ay /6 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 fem braced in list
Janarch 17.1915
, No. 3-2522, dated May 3 1913, for under the Act of the same to be known as Homestead Entry Survey No. 470
Tatent, under the Act of June 11, 1906,
the same to be known as Homestrad Entry Survey No. 470 ,
situated within the (/) ocomo National Forest, in
Unsurveyed Section /7 , Township /// , Range 3 = , and
- surveyed Section , Township , Range ,
Le Salva CR 1 - A
of the Sla and Salt few The airmeridian, Amorra, 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.
(It I Stranger
The way of
Auntered (Mattanens
[Forest Service Title.]
Subscribed and sworn to before me this minetlenth day of
July , 1917.
SEAL. 8-2349 Ethel M. Getchall Notary Public,
Other M. Feetchall
SEAL.
Notario Pilli
憲主主主主 8─2349
My Commission expires Mar. 17 1921

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Lee Smart; Application No. 406, dated February 24, 1913; List No. 3-2522, dated May 3, 1913 and March 17, 1915; H. D. 024099 and 027806, made in the Phoenix Land Office on April 27, 1914 and July 10, 1915 by Lee Smart.

The list in this case was erroneously made by legal subdivisions in an unsurveyed Section and no attempt was
made to locate the 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.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 16, 1916 and designated as Homestead Entry Survey No. 470.

Situated in what will probably be, when surveyed, sec. 17, T. 17 N., R. 3 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and August 11, 1916.

Survey commenced May 25, 1917 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.

May 25, 1917, .p.m. .

I observe the altitude of the sun for azimuth at cor. No.

.1, hereinafter described. The reading on the reference object is set at zero and the sun was observed in

COCONINO NATIONAL FOREST

STATE OF ARIZONA

_	1				
C	h	a	1	n	S

, the upper left and lower right quadrants of the field. My watch is set for local mean time.

Lat. 34° 51' 40" N., Long. 112° 04' 30" W., from Jerome Quadrangle, U. S. G. S.

Horizontal Vertical Telescope Time Angle Angle 85° 01' 30" 450 421 00" 3h. 07m. 07s. Direct 840 271 0011 46° 00' 30" Reversed 3h. 08m. 07s.

Bearing of reference object, N. 0° 02' 20" E.

I again observe the altitude of the sun at the same station. 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.

Vertical Telescope Time Horizontal Angle Angle Direct 3h. 09m. 33s. 85° 27' 00" 45° 10' 30"

Reversed 3h. 10m. 13s. 84° 49' 30" 45° 31' 00"

Bearing of reference object, N. 0° 02' 26" E.

The mean bearing of reference object is N. 0° 02' 23" E. and to the corresponding meridian all the courses of this survey are referred.

RETRACEMENT

May 25, 1917.

Beginning at the W. C. to secs. 7, 8, 17 and 18, a sandstone 12 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence East.

On a random line bet. secs. 8 and 17.

44.50 Fall 16 1ks. N. of the 1/4 cor. bet. secs. 8 and 17, a limestone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 89° 46' W.

3.

	TE COCONINO IT NATIONAL FOREST
	STATE OF ARIZONA TATE
Chains	On true line bet. secs. 8 and 17. Set temp. 1/16 sec. cor. on S. line SW/4, sec. 8.
39.50	Point for cor. secs. 7, 8, 17 and 18 falls in Verde River.
Lego	Thence West.
5.00	W. C. to secs. 7, 8, 17 and 18, heretofore described.
	May 25, 1917.
.FB 613	BOUNDARIES OF CLAIM
	May 26, 1917.
	Beginning at cor. No. 1 and Closing Corner on line bet.
1 T. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	secs. 8 and 17.
	Deposit a sandstone 4 x 4 x 2 ins. marked with a +
2 45 2	14 ins. in the ground, over which set a sandstone 24
emote	x 14 x 6 ins., chiseled + for the point, 1 - H E S 470
- 8	on SE. face and C C on SSE. face; and raise a mound
on io	of stone 2 ft. base, 1-1/2 ft. high on closing line
, age	S. 21° 47' E. of cor., whence;
-1,08	A walnut, 6 ins. dia., blazed and scribed
	1 H E S 470+ B T, bears S. 60° 22' E.,
	pedlyba 1 93 lks. dist.
	A sycamore, 12 ins. dia., blazed and scribed
	1 H E S 470 + B T, bears S. 29° 04' W.,
07 2	48 lks. dist.

Point for cor. secs. 7, 8, 17 and 18, heretofore described, bears N. 89° 46' W., 7.87 chs. dist.

1/4 cor. bet. secs. 8 and 17, heretofore described, bears S. 89° 46' E., 31.63 chs. dist.

Lat. 34° 51' 40" N., Long. 112° 04' 30" W., obtained from Jerome Quadrangle, U. S. G. S.

Mag. decl. at 8h. 00m. a.m., l.m.t., 15° 14' E. Mean mag. decl., 15° 10.7' E.

Thence S. 89° 46' E.

Along line bet. secs. 8 and 17, through sycamore and

TECOCONINGOITNATIONAL FOREST

STATE OF ARIZONATATE

-		I STATE OF THE STA
	Chains	willows in old bed of river, course N. and S. and S.
	2.05	· Leave old bed of river. Ascend 10 ft. over old bank;
-	de River	sees. V. S. 17 and 16 West Ver
	2.20	Fence on top of bank bears N. and S: Thence over open
	.bed.	b.00 W. O. to secs. 7, 8, 17 and 18, herbrisher fever
	2.40	Enter cultivated land, bears N. and S.
	5.25	Leave cultivated land, bears NW. and SE. Ascend 15 ft.
		in brush to W. C. O dell Actions
	6.25	Ditch, 5 lks. wide, 1 ft. deep, course se.
	•6.62	Fence at foot of Sw. slope; bears NW. and SE.
	7.73	W. C. to cor. No. 2, C. C. on line bet. secs. 8 and 17
	PERSONAL PROPERTY OF THE PERSON OF THE PERSO	diand 1/16 sec. cor. * x 4 enotables a disoget
		Deposit a malpais stone 6 x 6 x 2 ins. marked with a
	E S 470	+, 6 ins. in the ground, over which set a malpais stone
	found	24 x 12 x 8 ins.; chiseled + for the point, w c 2 -
	line	THE S 470 on SW. face, 1/16 on NE. face and C C on S.
		face; surround cor. with a mound of stone 5 ft. base,
		bedift. high; and raise a mound of stone 2 ft. base, 1-
		··1/2 ft. high S. of cor., whence:
		A mesquit, 4 ins. dia., blazed and scribed
	. bo	W C 1/16 2 H'E S 470 + B T, bears S. 52°
		'05 W., 37 lks. dist.
		Ascend 120 ft. over rock slide with SW. exposure to
	erolos	point for cor
	.11.88	True point for Cor. No. 2 and C. C. on line bet. secs.
	oditoeo	8 and 17 (also point cor. 1/16 sec. cor) which falls
		in a rock slide and would not be permanent if set.
	10 12 0 1	It was impracticable to set W. C. on line 2 to 3, or
		extension thereof, within 3:00 chs. of point for cor.
	Megn	No. 2. Therefore at a point S: 89° 48 E., 71 lks.
		from true point for cor., chisel + for the point,
		W C 1/16 2 - H E S 470 SW: of cross, and C C South of
		eross, on rock projection showing 36 x 24 x 6 ins.
	bus	above top of a malpais cliff 50 ft. high; and raise a

5. Shoes No. 2.

TO COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

12.20

mound of stone 3 ft. base, 2 ft. high NE. of cor.

No bearings available. Pits impracticable. From true point for cor. No. 2.

Point for cor. secs. 7, 8, 17 and 18, heretofore

described, bears N. 89° 46' W., 19.75 chs. dist.

1/4 sec. cor. bet. secs. 8 and 17, heretofore de-

.. 's scribed, bears S. 89° 46' E., 19.75 chs. dist.

Note: It was impracticable to place the mound South of the cor.

From point for cor. No. 2. ,

Thence S. 5° 22' W.

Descend 140 ft. over rock slide, steep WSW. slope.

Leave rock slide, bears MNW. and SSE. Desc. 10 ft. .

along foot of WSW. slope. .

20.06 To cor. No. 3.

Deposit a sandstone 6 x 4 x 4 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 15 x 6.ins., chiseled + for the point and 3 - H E S 470 on NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor., whence:

A sycamore, 14 ins. dia., blazed and scribed 3 H E S 470 + B T, bears S. 82° 00' W., 133 lks. dist.

_A_desert willow, 4 ins. dia., blazed and scribed 3 H E S 470 + B T, bears N. 88° 16' E., 23 lks. dist.

Thence S. 89° 59' W.

Over bottom.

2.00 To cor. No. 4.

Deposit a malpais stone 6 x 6 x 4 ins. marked with a +,

16 ins. in the ground, over which set a malpais stone 26

x 8 x 6 ins. chiseled + for the point and 4 - H E S 470

on NE. face; and raise a mound of stone 2 ft. base,

COCONINO NATIONAL FOREST

STATE OF ARIZONA

	DIMIL OF ARTIZONA
Chains	1-1/2 ft. high NE. of cor., whence:
	A sycamore, 14 ins. dia., blazed and scribed
Plezete	. 4 H E S. 470 + B T, bears S. 73° 28' E.,
	70 lks. dist.
re, de-	A. sycamore, 10 ins. dia., blazed and scribed
. Jelā	. 4 H E S 470 + B T, bears N. 12° 44' E.,
lo no	od bulom 46 lks. dist. Edecloses and may of :000 com
	. Tas best in the same of the
	Thence N. 21° 47' W.
	Up old bed of river, course NW. Ascend 15 ft.
5.50	Top bank old bed of river, bears NW. and SE. Thence
. 9	over level bottom land in heavy brush.
16.60	Bank old bed river bears N. and S. Leave bottom land
	and descend 10 ft. to cor.
21.56	To cor. No. 1 and place of beginning.
	o delwebschenie w b to despositions designation
	AREAT., TOWN BELLEVILLE OF THE SERVICE OF THE SERVI
70 on	Total Area 13.87 acres
	. eonf . The Cart of the contract of the contr
	IMPROVEMENTS
di .	The improvements made upon this claim consist of the
	. following:
	Approximately 1/2 mile of wire fence.
bedit	value \$100.00
	Approximately 1/4 mile of ditch.
	Value \$ 50.00
	Claimant's houses, barns, outbuildings, fences and ditches,
	valued at approximately \$2000.00, are located upon the
	adjoining portion of his entry described by legal sub-
	divisions.
. 8.33	int Demonstration to be of the end of Birth a Jinous Co.

DESCRIPTION

This survey is situated on the NE. side of the Verde River at the mouth of Sycamore Creek, which flows through the

TOTAL FOREST

STATE OF BARIZONAAR

Chains

legal subdivisional portion of claimant's entry.

The soil on portion surveyed is a silt loam, and at the time of survey approximately 4 acres were under cultivation. The claimant cultivates approximately 45 acres on the legal subdivisional portion of his homestead.

Water for all purposes is obtained from Sycamore Creek.

There is no timber of commercial value upon the claim.

I saw no indications of mineral upon the claim. The entryman was present at time of survey and agreed to the changes as made.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. The legal subdivisional portion of claimant's entry, more fully described as follows: N/2 SE/4 SE/4, NE/4 SE/4 SE/4 SE/4, sec. 7, NE/4 SW/4 NW/4 SW/4, S/2 SW/4 NW/4 SW/4, SE/4 NW/4 SW/4, SW/4, SW/4, SW/4, SW/4, N/2 S/2 SW/4 SW/4, S/2 SE/4 SW/4 SW/4, SW/4, SE/4 SW/4, SE/4 SW/4, sec. 8 joins this survey on the North. Mr. Lee Smart, the claimant has agreed to relinquish that portion of his homestead entry situated in the unsurveyed portion of sec. 8; described by the following subdivisions: W/2 SE/4 SE/4 NW/4, SW/4 NE/4 SE/4 NW/4.

Clarkdale, Arizona, the nearest post office and trading point, lies in a Southerly direction and is reached by 9 miles of rough wagon road. Sycamore, Arizona, the nearest railroad point, is approximately 1 mile NW. of this claim.

Form 85. 8 Sheet No. 2.

TRECOCONINO TNATIONAL FOREST

STATE OF ARIZONAPATE

	Topo F
Chains	rains attramisto to notaton tanoisivibura Tagel anier
an ta	one .msol jile s slittigs snow
culti	core course Vi Disterior Never Sec 918.4 W.
45 ⋅	
-amod	3-4 S. 89 59 W. 21.56 20.02 8.00
	4-1 N. 21 47 W. 55.50 20.02 20.02 11.88 11.88 20.02 11.88
Greek.	Error in Lat. and Dep. 2000 100 100 100 100
.mial	Closing error, none. none of redmit on al erent
The	Survey completed May 26, 1917.
of be	entrymen was miesent at time of survey and serv
	the changes as made.
	(Sgd.)
	Surveyor- Draftsman
Lage.	There are no conflicts or sajoining claims. The 1
7.115	subdivisional portion of eleiment's entry, more in
4 35/4	described as follows: M/S SE/4 SE/4, ME/4 SE/4 SE/4
/WI =/	Sec. 7. UE/4 SW/4 TW/4 SW/4 UW/4 SW/4.
88/4	SW/4, M/2 SW/4 SW/4, IL/2 S/2 SW/4 SW/4. S/S SE/-
Sq/4,	SW/4, WE SEE SEE THE, SWE DET SEE N.E. W/S E/S E/S
vevin	SW/4 WE/4 SW/4. W/2 ST/4 SW/4. Sec. 8 joins this sr
or bee	on the North. Mr. Lee Smart, the claiment has are
beder	relinguish that portion of his nonescess entry site
ine	in the unsurveyed portion of sec. 8; described by
3/4	following sundivisions: W/E SE/4 SE/4 ATT/4, STJ/4 ME
	SH/4 NW/4.
anib	Clarkdale, Arizona, the nearest post office and true
66.	point, lies in a Southerly direction and is reach
	by 9 miles of rough wason road. Sycamore, Arison
Le	the nearest rellrose point, is approximately 1 mi.
	WW. of this claim.

COCONINO NATIONAL FOREST

STATE OF ARIZONATADE

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Direct Solar, May 25, 1917 at Cor. No. 1.
Chains
          Lat. 34° 51' 40" N., Long. 112° 04' 30" W., Elev. 3600 ft.
          Telescope Time Horizontal Vertical Pos.
                                               Angle
                                                                Angle Sun
            Direct 3h. 07m. 07s.
                                           85° 01' 30" 45° 42' 00"
            Reversed 3h. 08m. 07s. 84° 27' 00" 46° 00' 30" 3h. 07m. 37s. 84° 44' 15", 45° 51' 15"
                                                                       50m/
                                                          45° 50' 25",
                        Decl., 20° 58' 42" N.
                        sin. 20° 58' 42" N.
cos. 34° 51' 40" x-cos. 45° 50' 25"
tan. 34° 51' 40" x tan. 45° 50' 25"
          Cos. Q. =
          log. sin. 20° 58' 42" = 9.553901
log. cos. 34° 51' 40" = 9.914099
          log.cos. 45° 50' 25" = 9.843022
                                          9.796780 =
          log. tan. 34° 51' 40" = 9.842984
log. tan. 45° 50' 25" = 10.012741
                                          9.855725 = .71734
                                                           .09104
                                             Cos. Q. =
                                                   Q. = 84° 46' 35"
         Bearing of reference object, N. 0° 02' 20" E.
                               . (2)
                                          Horizontal Vertical Angle Angle
         Telescope Time
                                                                           Pos.
                                                                          Sun
            Direct 3h. 09th. 33s. 85° 27' 00" 45° 10' 30"
           Reversed 3h. 10m. 13s. 84° 49' 30" 45° 31' 00" 3h. 09m. 53s. 85° 08' 15" 45° 20' 45"
                                                                       51"
                                                            45° 19' 54"
                        Decl., 20° 58' 43" N.
         Cos. Q. = sin. 20° 58' 43" N. - cos. 34° 51' 40" x cos. 45° 19' 54" tan. 34° 51' 40" x tan. 45° 19' 54"
         log. sin. 20° 58' 43" = 9.553907
log. cos. 34° 51' 40" = 9.914099
log. cos. 45° 19' 54" = 9.846956
9.792848 = .62065
         log. tan. 34° 51' 40" = 9.842984'
log. tan. 45° 19' 54" = 10.005028'
9.848012 = .70471'
                                             Cos. Q. = .08406
                                                  Q. = 85° 10' 41"
         Bearing of reference object, N. 0° 02' 26" E.
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Form 85. Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF . D. . of . with the contract of the contract Chains Lat. San Si eo u., Long. 1187 Day Boy M., Clay. 100. 788. 200 400 = 0.00.014741 100. 740. 488 200 4500 = 0.00.014741 del., so all 4st .. Iss spenda e = 60 'sa -os .ale .vol los. tag. 68° 19° 50° 2 10. 105056 Be til W. of Calerona object.

43753 16016 43694 27737 S. AREAS. Sheet No. 3.—Revised Feb., 1915.

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

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

Put the corrected figure or figures above in red ink. Do not change the longths of the lines.

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

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. 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. 20 00 0 160 16 N. AREAS. 160 ARIZONA DOUBLE M. D. 88 00 21 88 00 18 8 OF STATE 88 00 00 88 WEST. Q 00 1 HOMESTEAD ENTRY SURVEY NO. 470 DEPARTURES. 88 88 EAST. 11 02 05 00 97 020 SOUTH. 20 19 20 LATITUDES. 2002 02 02 NORTH. 20 20 TABLING AND CALCULATIONS OF DISTANCE. 20.06 2.00 21.56 11,88 55.50 W. 田 1 5 - 22 89. 591 BEARING. 89 • 46 210 471 Sheet No. 3.—Revised Feb., 1915. CORNERS. 1-2 2 -23 3-4 4-1 8-2349

Acres.

13 868

29

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 15 , 191 8

The foregoing field notes of Homestead Entry Survey No.

470

executed by R.P.A.Johnson, Surveyor-Draftsman [Forest Service Title.] under his special instructions, dated May 16, 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
U. S. Surveyor General.

8-2349