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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 620

ORIGINAL

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 32 , un-surveyed, Township 23 S., Range 19 E.
~~In Section 33 , un-surveyed, Township 23 S., Range 19 E.~~
In Section 5 , un-surveyed, Township 24 S., Range 19 E.

of the

Gila and Salt River Base and Meridian.

State of
Arizona.

Applicant for listing Oliver P. Lane,

Residence Parker, Arizona.

Application No. 462 , dated March 6 , 19 16

List No. 3-4330 , dated June 20 , 19 18

Applicant for survey Oliver P. Lane,

Residence Parker, Arizona

H. E. No. 042540 , dated July 25 , 19 19

Land District Office Phoenix, Arizona

Survey executed by F. L. Kirby, Deputy Supervisor, Forest Service
(Forest Service Title.)

Under special instructions dated January 6 , 19 21

Survey commenced February 3 , 19 21

Survey completed February 5 , 19 21

Under Acts of June 11, 1906, and May 31, 1920.



OATH OF ASSISTANTS

We hereby certify that we assisted F. L. Kirby, Deputy Supervisor, Forest Service, in surveying all those

[Forest Service Title.]

parts or portions of Homestead Entry Survey No. 620, 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.

S. P. Roach

Chainman

Chainman

Subscribed and sworn to before me this 5th day of

February, 1921

F. L. Kirby

Deputy Supervisor, Forest Service.

OATH OF SURVEYOR

I, F. L. Kirby, Deputy Supervisor, Forest Service.

[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated January 6, 1921, 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. 3-4330, dated June 20, 1918, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 620, situated within the Coronado National Forest, in un-surveyed Section 32, Township 23 S., Range 19 E., and un-surveyed Section 33, Township 23 W., Range 19 E., and un-surveyed Section 5, Township 24 S., Range 19 E.

of the Gila & Salt River Base & 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.

F. L. Kirby

Deputy Supervisor- Forest Service.

[Forest Service Title.]

Subscribed and sworn to before me this twenty sixth day of

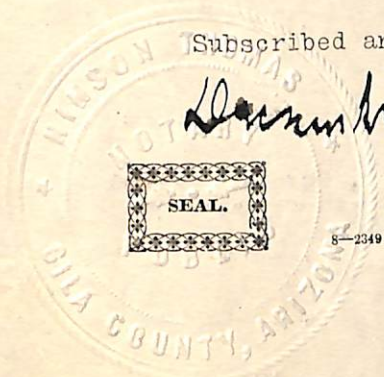
December, 1922

Frank Smith

Herman Thomas

Notary Public

My com. expires 2/21/1924



CORONADO NATIONAL FOREST

STATE OF ARIZONA

1.

Chains

Applicant for listing, Oliver P. Lane; Application No. 462, dated March 6, 1916; List No. 3-4330, dated June 20, 1918; H. E. 042540, made in the Phoenix Land Office on July 25, 1919, by Oliver P. Lane.

Surveyed under special instructions from the Surveyor General for Arizona, dated January 6, 1921, and designated as Homestead Entry Survey No. 620.

Situated in what will probably be when surveyed Sec. 32, T. 23 S., R. 19 E., and Sec. 5, T. 24 S., R. 19 E., Gila and Salt River Base and Meridian, Coronado National Forest, Arizona.

Surveyed under the acts of June 11, 1906; and May 31, 1920.

Survey commenced February 3, 1921; and executed with an A. Leitz transit No. 6384, equipped with Seigmuller 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.

February 3, 1921.

At my station, which is N. $18^{\circ}22'$ E., approximately 50 chains from Cor. No. 1, in Latitude $31^{\circ}22'50''$ N., Longitude $110^{\circ}26'11''$ W., from Forest Service Base Map, I observe Polaris at western elongation at 10h. 30m. p.m. l.m.t., telescope direct, reading an angle of $0^{\circ}22'00''$. Reference mark west of star.

At same station at 10h. 36m. p.m. l.m.t., telescope reversed, I again observe Polaris, reading an angle of $0^{\circ}22'30''$.

Chains

Mean angle, star to reference mark $0^{\circ}22'15''$ W.
Azimuth of Polaris at elong. $1^{\circ}18'06''$ W.
Bearing of reference mark North. $1^{\circ}40'21''$ W.
From the meridian, thus determined, all the courses of
this survey were deflected by sustained angulation.
February 3, 1921.

BOUNDARIES OF CLAIM

February 4, 1921.
Beginning at Cor. No. 1, identical with Cor. H/4 of the
list survey, which is a sandstone $4 \times 6 \times 6$ ins. above
ground, marked and witnessed as described by the Forest
Service. I destroy all trace of this list Cor.
Deposit a sandstone $2 \times 7 \times 10$ ins., marked with a + 26 ins.
in the ground, over which set an iron post 2 ins. dia.
36 ins. long, with brass cap, stamped 1921 on south rim
and 1 HES 620 in quadrant facing claim; raise a mound
of stone 2 ft. base $1-1/2$ ft. high NE. of Cor., whence:
An oak 5 ins. dia. brs. N. $21^{\circ}30'$ E. 79 lks. dist.
An oak 6 ins. dia. brs. N. $75^{\circ}06'$ E. 82 lks. dist.
Each blazed and scribed 1 HES 620 + BT.
Cor. No. 3 of HES. 534 hereinafter described bears S.
 $82^{\circ}44'00''$ E. 10.69 chs. by direct measurement.
The Cor. of Secs. 1, 6, 7 and 12, T. 24 S., Rs. 18 and
19 E., a sandstone $6 \times 8 \times 10$ ins. (recorded as a granite
stone) above ground, marked and witnessed as described
by the Surveyor General, bears S. $64^{\circ}33'30''$ W. 120.86
chs. dist. by traverse which appears at the end of these
notes.
Note: It was more convenient to tie to the above Sec.
Cor. than to the $1/4$ Cor. between Secs. 1 and 6.
Latitude $31^{\circ}22'19''$ N., Longitude $110^{\circ}26'23''$ W. from
Forest Service Base Map.
The observed magnetic declination at 11:00 a.m. is $13^{\circ}27'$
E., which corrected for diurnal change, gives a mean
mag. decl. of $13^{\circ}26'$ E.
Thence N. $19^{\circ}38'$ E.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

3.

Chains	Over level land.
.75	Arroyo 10 lks. wide, 4 ft. deep, course S. 65° E.
	Ascend gradually 60 ft.
52.45	Road, bears S. 67° E. and N. 67° W., thence along foot of rocky, brushy hillside.
72.00	Begin ascent of 25 ft. to Cor.
78.71	To Cor. No. 2.
	Identical with Cor. H/3 of the list survey, which is a conglomerate stone 6x10x6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.
	Deposit a sandstone 3x4x5 ins., marked with a + 26 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long, with brass cap, marked 1921 on S. rim and 2 HES 620 in SE. quadrant; raise a mound of stone 2 ft. base 1-1/2 ft. high SE. of Cor., whence:
	An oak 10 ins. dia. bears N. 74° 44' W. 54 lks. dist.
	An oak 14 ins. dia. bears S. 15° 55' E. 46 lks. dist.
	Each blazed and scribed 2 HES 620 + BT.
	February 4, 1921.
	February 5, 1921.
	Thence S. 84° 22' E.
	Descend 60 ft. over E. slope.
3.50	Bottom of descent, thence over level land.
5.95	Road, bears S. 15° W. and N. 15° E.
12.40	Sunnyside Creek, (dry), 75 lks. wide, course S. 40° E. West bank 3 ft. high, East bank 20 ft. high. Ascend 35 ft. over W. slope.
19.97	To Cor. No. 3.
	Identical with Cor. H/2 of the list survey, which is a red sandstone 8x10x6 ins. above ground, marked and witnessed as described by the Forest Service. I

Chains

destroy all trace of this list Cor.

Deposit a sandstone 2x6x8 ins., marked with a + 16 ins. in the ground, over which set a sandstone 22x9x9 ins., no longer stone available, chiseled + for the point and 3 HES 620 on SW. face; raise a mound of stone 2 ft.

base 1-1/2 ft. high SW. of Cor., whence:

An oak 5 ins. dia. brs. S. 49°20' E. 63 lks.

An oak 8 ins. dia. brs. S. 56°30' W. 109 lks.

Each blazed and scribed 3 HES 620 + BT.

Thence S. 19°36' W.

Along brush covered hillside.

.9.75 Begin descent of 20 ft. along SW. slope.

24.00 Arroyo 15 lks. wide, 2 ft. deep, course West.

32.30 Cor. fence, bears West 1.00 ch., fences bear NW. and SW. Descend gradually 25 ft. parallel with fence.

79.32 To Cor. No. 4.

Identical with Cor. H/1 of the list survey, which is a sandstone 6x8x6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a sandstone 2x5x6 ins., marked with a + 16 ins. in the ground, over which set a sandstone 24x3x10 ins. chiseled + for the point and 4 HES 620 on NW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., whence:

An oak 8 ins. dia. brs. N. 24°53' E. 102 lks. dist.

An oak 4 ins. dia. brs. N. 55°46' E. 56 lks. dist.

Each blazed and scribed 4 HES 620 + BT.

Thence N. 82°44' W.

.13 Fence bears N. 19° E. and S. 19° W.

.21 Cor. No. 4 of HES 534, a porphyry stone 12x6x10 ins.

HOMESTEAD ENTRY SURVEY NO. 620

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Chains above ground, marked + on top and 4 HES 534 on SW. face, with mound of stone SW.

.40 Road bears N. 19° E. and S. 19° W., thence along S. edge of cultivated field.

7.35 Fence, bears N. and S. Leave S. edge of cultivated field.

8.75 Sunnyside Creek (dry), 60 lks. wide, banks 4 ft. high, course S. 25° E.

9.18 Cor. No. 3 of HES 534, a porphyry stone 10x8x10 ins. above ground, marked + on top and 3 HES 534 on SE. face with mound of stone SE of Cor. Ascend gradually 15 ft. to Cor.

10.85 Fence N. 60° W. and S. 60° E.

19.55 Fence bears N. 25° E. and S. 25° W.

19.87 To Cor. No. 1, the place of beginning.

AREA

Total area - - - - - 153.24 acres.

IMPROVEMENTS

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

A 3 room boxed up tent house, 12 x 38 ft., the long sides of which extend N. and S., and the NE. Cor. of which bears S. 26°10' W. 32.85 chs from Cor. No. 3.

Value - - - - - \$125.00

A shed for storing hay and fodder, 25 x 50 ft., made of poles, covered with corrugated iron roofing, the long sides of which extend N. 58° W. and the most easterly Cor. of which bears S. 22° W. 33.15 chs. from Cor. No. 3.

Value - - - - - \$125.00

Chains A well 96 ft. deep, with a 12 ft. concrete collar at the surface, equipped with hand pump, bears S. 26°45' W.

32.50 chs. from Cor. No. 3.

Value - - - - - \$275.00

Picket corral 35 x 45 ft., the long side of which extends N. 69° W. and the most easterly Cor. of which bears S. 22°10' W. 36.75 chs. from Cor. No. 3.

Value - - - - - \$ 35.00

Approximately 480 rods of barbed wire fence are on the claim.

Value - - - - - \$300.00

GENERAL DESCRIPTION

The tract lies along the banks of Sunnyside Creek, which is on the south slope of the Huachuca Mountains. The elevation is approximately 5400 ft. The agricultural portion, consisting of approximately 60 acres, is rich sandy loam and is adapted to the raising of all local crops if water can be provided for it. When depending on rainfall, better success is had with a crop of grain hay in winter and early spring and a crop of corn or cane in late summer and fall.

The tract is chiefly valuable for farming purposes.

Water for domestic purposes is obtained from the well.

The timber on the claim consists of a few oak trees which are suitable only as cordwood and would probably produce 35 cords.

There are no indications of any mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting claims. HES. 534 adjoins this claim on the south; HES. 535 lies about 1/2 mile distant in a northeasterly direction. (A direct tie was not made to the above claim, since it is considered outside the limits which would apply to nearby claims).

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7.

Chains

Parker, Arizona, is the nearest postoffice and trading point. It is situated about 10 miles distant in a westerly direction. There is a fairly good wagon road to the claim.

TRAVERSES

Tie Cor. 1 - Cor. Secs. 1, 6, 7 & 12, T. 24 S., R. 18E. and 19E.

Course	Dist.	N.	S.	E.	W.
S. 82°44' E.	10.69		1.35	10.60	
S. 24°58' W.	20.04		18.17		8.46
S. 33°58' W.	49.86		41.35		27.86
N. 72°15' W.	23.00	7.01			21.91
N. 89°27' W.	53.42	.51			53.42
N. 79°57' W.	8.22	1.43			8.09
		8.95	60.87	10.60	119.74
			8.95		10.60
			51.92		109.14

Resultant Course S. 64°33'30" W. 120.86

Course	Dist	N.	S.	E.	W.
N. 19°38' E.	78.71	74.14		26.45	
S. 84°22' E.	19.97		1.96	19.87	
S. 19°36' W.	79.32		74.72		26.61
N. 82°44' W.	19.87	2.51			19.71
	197.87	76.65	76.68	46.32	46.32
			65	32	
			3	0	

Error in Lat. & Dep.

Closing error 1/6596.

Survey completed February 5, 1921.

F. H. Kirby

Deputy Supervisor, Forest Service

- 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 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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 620, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	N. 19°38' E.	78.71	74 14		26 45		26 45	1961 53	
2 - 3	S. 84°22' E.	19.97		1 96	19 87		72 77		142 63
3 - 4	S. 19°36' W.	79.32		74 72		26 61	66 03		4933 10
4 - 1	N. 82°44' W.	19.87	2 51			19 71	19 71	49 47	
		197.87	76 65	76 68	46 32	46 32		2011 00	5075 73
				76 65	46 32				2011 00
	Error in Lat. & Dep.			3	0				20/3064 73
	Closing error 1/6596.								153 24

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APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, Nov. 27, 1923.

The foregoing field notes of Homestead Entry Survey No.

620

executed by *F. L. Kirby, Deputy Supervisor* [Forest Service Title]
under his special instructions, dated *January 6, 1921*, 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.