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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

ORIGINAL

DL-7.192

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 631

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 10 , un-surveyed, Township 4 N., Range 15 E.
In Section 11 , un-surveyed, Township 4 N., Range 15 E.
In Section 14 , un-surveyed, Township 4 N., Range 15 E.
In Section 15 , un-surveyed, Township 4 N., Range 15 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona.

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Land Office Phoenix, Arizona.

Survey executed by F. L. Kirby, Deputy Supervisor, [Forest Service Title]

Under special instructions dated March 19 , 1923

Survey commenced September 6 , 1923

Survey completed September 7 , 1923

Under Acts of June 11, 1906, and February 26, 1923.



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OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **631**, 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.

[Handwritten Signature]

Chairman

Subscribed and sworn to before me this **7th** day of **September**, 19**23**

[Handwritten Signature]

Deputy Supervisor.

OATH OF SURVEYOR

I, **F. L. Kirby - Deputy Supervisor,**
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for **Arizona**, dated **March 19**, 19**23**, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land **as a basis for listing and patent**

No. _____, dated **June 11**, 19**06**, for the same to be known as Homestead Entry Survey No. **631**, situated within the **Tonto** National Forest, in
un-surveyed Section 10, Township **4 N.**, Range **15 E.**, and
un-surveyed Section 11, Township **4N---**, Range **---- 15 E.** and,
un-surveyed Section 14, Township **4 N.**, Range **15 E.** and,
un-surveyed Section 15, Township **4 N.**, Range **15 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

[Handwritten Signature]

Deputy Supervisor.

[Forest Service Title.]

Subscribed and sworn to before me this **26th** day of

November, 19**23**

[Handwritten Signature]

Notary Public.



8-2349

My commission expires:

Jan. 25 - 1926.



TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Surveyed a tract of land as a basis for listing and patent.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 19, 1923, and designated as Homestead Entry Survey No. 631.

Situated in what will probably be when surveyed Sec. 10, 11, 14 and 15, T. 4 N., R. 15 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Note: Owing to uncertainties as to how public land survey will finally be extended, it is impossible to verify this location.

Surveyed under the Acts of June 11, 1906, and February 26, 1923.

Survey commenced September 6, 1923, and executed with an A. Lietz transit No. 6384, equipped with Saegmuller 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.

September 6, 1923.

At my station, which is S. $12^{\circ}06'$ W. 14.08 chains distant from Cor. No. 1 of this survey, hereinafter described in Lat. $33^{\circ}42'06.6''$ N., Long. $110^{\circ}48'58.2''$ W. from Forest Service Base Map, I observe Polaris at Eastern Elongation at 8h. 35m. p.m., l.m.t., telescope direct, reading an angle of $10^{\circ}46'00''$ from star to reference mark 14 chains distant. Reference mark east of star.

At same station at 8h. 39m. p.m., l.m.t., I again observe Polaris at Eastern Elongation with telescope

HOMESTEAD ENTRY SURVEY NO. 631

TONTONATIONAL FOREST

2.

STATE OF ARIZONA

Chains

reversed, reading an angle of $10^{\circ}45'30''$ from star to same reference mark.

Mean angle star to reference mark $10^{\circ}45'45''$

Azimuth of Polaris at Obsn. $+ 1^{\circ}19'56''$

Bearing of reference mark N. $12^{\circ}05'41''$ E.

From the meridian thus determined, all the courses of this survey were deflected by sustained angulation.

September 6, 1923.

BOUNDARIES OF CLAIM

September 7, 1923.

Beginning at Cor. No. 1.

Deposit a malpais stone $4 \times 10 \times 16$ ins., chiseled +, 20 ins. in the ground, over which set a white sandstone $30 \times 20 \times 10$ ins., chiseled + for point and 1 HES 631 on the SE. face; build a mound of stone $2\text{-}1/2$ ft. base, 2 ft. high SE. of Cor., whence:

A Mesquite tree 6 ins. dia. brs. N. $76^{\circ}05'$ E.

92 lks. dist.

Blazed and scribed 1 HES 631 + BT.

No other suitable witness available within the prescribed distance.

The standard Cor. of Secs. 33 and 34, T. 5 N., R. 15 E., which is a regulation iron post with brass cap, stamped 1914 on S. rim and S 33 and S 34 in the proper quadrants bears N. $5^{\circ}38'50''$ E. 152.84 chs. dist. by traverse which appears at the end of these notes.

Latitude $33^{\circ}42'15.6''$ N., Longitude $110^{\circ}48'56''$ W., from Forest Service Base Map.

The observed Magnetic declination at 9 a.m. is $14^{\circ}10'$ E. which, corrected for diurnal change, gives a mean magnetic declination of $14^{\circ}08'$ E.

Thence S. $64^{\circ}21'$ E.

Chains	Along level, brushy ground.
15.25	To Cor. No. 2. Point for Cor. falls on a porphyry boulder in place, showing 4x5x3 ft. above ground. 1 chisel boulder + for point and 2 HES 631 on the W. face; raise a mound of stones 3 ft. base, 2 ft. high W. of Cor., whence: A porphyry boulder in place, showing 5x6x4 ft. above ground, brs. S. 18°15' E. 45 lks. dist., chiseled 2 HES 631 + BR. No other suitable witness available within the prescribed distance.
	Thence S. 37°20' W. Descend 15 ft. over brushy slope.
6.28	Fence bears N. 22°30' W. and S. 20°00' E. Thence across cleared level land.
8.85	Fence bears N. 46°00' W. and S. 46°00' E.
9.10	Left bank of Cherry Creek, bank 5 ft. high from N. 48° 00' W., bears S. 39°00' E.
10.20	Cherry Creek, running water 35 lks wide, 15 ins. deep. From NW. Course SW.
15.65	Right bank of Cherry Creek, bank 4 ft. high, from N. 16°00' W. bears South.
16.40	Cor. fence. Fences bear N. 12°30' W. and S. 37°20' W. along line over level ground. Cultivated field to NW.
20.90	Arroyo 2 ft. deep, 10 lks. wide, bears S. 37°00' E.
21.10	Fence Cor. Fences bear N. 37°20' E., N. 63°00' W. and S. 37°20' W.
33.55	Fence Cor. Fences bear N. 37°20' E. and N. 73°00' W. Leave fence and cultivation.
34.37	To Cor. No. 3. Deposit a porphyry stone 4x6x8 ins., chiseled + 24 ins.

Chains

in the ground, over which set a porphyry stone 36x12x14 ins., chiseled + on top for point and 3 HES 631 on the N. face; raise a mound of stones 3 ft. base and 2 ft. high N. of Cor., whence:

A Mesquite tree 24 ins. dia. brs. S. 21°32' W.

72 lks. dist.

A Hackberry tree 15 ins. dia. brs. N. 73°24' W.

54 lks. dist.

Each tree blazed and scribed 3 HES 631 + BT.

Thence N. 5°30' W.

5.90 Fence bears S. 75°00' E. and N. 48°00' W. Thence over level land.

6.00 Base of hill. Begin ascent 20 ft. over E. slope.

10.22 To Cor. No. 4.

Point for Cor. falls on a porphyry boulder in place, showing 12x12x5 ft. above ground. I chisel boulder + for point and 4 HES 631 on the E. slope; build mound of stones 2-1/2 ft. base, 2 ft. high W. of Cor.

(Impracticable to place the monument on the claim because the E. edge of the Cor. stone has a 5 ft. perpendicular drop to a steep bank).

From the Cor.

A Mesquite tree 6 ins. dia. brs. N. 2°52' E.

13 lks. dist.

A Mesquite tree 6 ins. dia. brs. S. 65°58' E.

78 lks. dist.

Each tree blazed and scribed 4 HES 631 + BT.

Thence N. 18°45' E.

Descend 10 ft. on hillside to base of hill.

3.00 Fence bears N. 66° W. and S. 66° E.

6.30 Arroyo 2 ft. deep, 10 lks. wide. Course S. 69°00' E.

Chains

Ascend 90 ft. over SE. slope.

11.00 Over SE. slope. Top of ascent on crest of rocky point.
Bears east. Descend 85 ft. over NE. slope.

14.70 Right bank of Cherry Creek, 6 ft. high, bears S. 47°00'
E.

15.40 Cherry Creek, running water, 50 lks. wide, 10 ins. deep.
Course S. 47° E.

19.00 Left bank Cherry Creek, 3 ft. bank. From N. 35°00' W.
bears S. 44°00' E.

19.55 Fence bears N. 38°00' W. and S. 38°00' E. Ascend 10 ft.
gradually.

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

AREA

Total Area - - - - - 30.92 acres

IMPROVEMENTS

The improvements made upon this claim by the claimant for the benefit and development of this claim, consist of the following:

A two-room lumber house, 30 x 20 ft., the long side extending N. 56° W. and S. 56° E., the west corner of which bears N. 43° E. 9.03 chs. from Cor. No. 4.

Value - - - - - \$300.00

A hay shed, covered with corrugated iron roofing, 30x24 ft., the long side extending N. 37° E. and S. 37° W., and the west Cor. of which bears N. 39° E. 5.90 chains from Cor. No. 4.

Value - - - - - \$ 75.00

A round pole corral, 60 ft. diam., the center of which bears N. 30° E. 12.50 chs. from Cor. No. 4.

Value - - - - - \$ 75.00

Approximately 220 rods of barbed wire fence.

Chains

Value - - - - - \$200.00

Approximately 8 acres of the land has been cleared of heavy mesquite and catsclaw timber at a cost of \$60.00 per acre.

Value - - - - - \$480.00

Approximately 48 rods of ditch made at a cost of - - - - - \$100.00

GENERAL DESCRIPTION

The claim is situated on Cherry Creek, a tributary to Salt River, and is surrounded by comparatively low, rolling hills. The elevation is approximately 2900 ft. and the general slope is to the south.

The agricultural portion consists of 2 pieces of flat bottom lands on the banks of Cherry Creek. It is rich sandy loam and is capable of very intensive cultivation. Ample water for irrigation is procurable at all times from Cherry Creek. The claim is most valuable for farming purposes, and the produce can be used most advantageously in connection with cattle raising operations on the adjoining range.

There is no merchantable timber on the claim.

There are no indications of any mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H.E.S. 138 lies about 2 miles in a northwesterly direction. Globe, Arizona, the nearest postoffice, trading point and railway station, is 21 miles to the south, the distance by trail being approximately 28 miles. There is no road to the claim.

Survey completed September 7, 1927.

J. L. Kirby
Deputy Supervisor.

*Claim No. 138
nearby
about 2 miles
Northwesterly*

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. 631, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	TIE COR. NO. 1 to COR. SECS. 33 and 34, T. 5 N., R. 15 E.								
	N. 45°31' W.	16.85	11 61			12 02			
	N. 53°28' W.	14.05	8 36			11 29			
	N. 5°43' W.	20.36	20 26			2 03			
	N. 9°06' W.	28.65	28 29			4 53			
	N. 11°25' E.	45.14	44 25		8 94				
	N. 15°56' W.	21.01	20 20			5 76			
	N. 35°26' E.	22.58	18 40		13 09				
	N. 66°05' E.	11.07	4 49		10 12				
	N. 2°17' E.	16.48	15 47		66				
	N. 31°32' E.	6.86	5 85		3 59				
	N. 44°09' E.	20.52	14 72		14 29				
	S. 0°02' W.	40.00		40 00		02			
			192 10	40 00	50 69	35 65			
			40 00		35 65				
			152 10		15 04				
	N. 5°38' 50" E.	152.84 cns.							

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- DIRECTIONS.—1. Carry out calculations to two decimals only.
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 631, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
1 - 2	S. 64°21' E.	15.25		6 60	13 75			29 87			197 14	
2 - 3	S. 37°20' W.	34.37		27 33			20 84	22 79			622 62	
3 - 4	N. 5°30' W.	10.22	10 17				98	98	9 97			
4 - 1	N. 18°45' E.	25.08	23 75			8 06		8 06	191 42			
		84.92	33 92	33 93	21 81	21 82			201 39		819 76	
Error in Lat & Dep			33 92 01	33 92	21 81 01	21 81					201 39	
Closing error 1/6005											20 618 37	
											30 92	acres

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 14, 1924

The foregoing field notes of Homestead Entry Survey No.

631

executed by F. L. Kirby, Deputy Supervisor, [Forest Service Title]
under his special instructions, dated March 19, 1923, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Charles M. Donohoe
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.

CHARLES M. DONOHOE
U. S. Surveyor General.