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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 646

SITUATED IN THE **TONTO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. **3**

In/Section ~~31~~, **31** Township **11½ N.** Range
11½ E.

of the

Gila & Salt River Base and

Meridian.

State of

Arizona.

Applicant for listing **Charles Yunker**

Residence **Payson, Arizona**

Application No. , dated , 19

List No. , dated , 19

Applicant for survey **Charles Yunker**

Residence **Payson, Arizona**

H. E. No. , dated , 19

Land Office **Phoenix, Arizona**

Survey executed by **C. A. Long, Dist. Engineer, Forest Service**
[Forest Service Title.]

Under special instructions dated **December 26** , 19**25**

Survey commenced **April 28** , 19**27**

Survey completed **May 1** , 19**27**

Under Acts of **June 11, 1906, and May 11, 1926.**



OATH OF ASSISTANTS

I hereby certify that I assisted **C. A. Long** in surveying all those **District Engineer, Forest Service** [Forest Service Title.]

parts or portions of Homestead Entry Survey No. **646**, 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

May 1, 1927

Note: It would have been very expensive and inconvenient to appear before an officer to administer oath to assistant. Hence they were taken by the Surveyor.

Chas. Yunker
Payson Chairman
Arizona

Subscribed and sworn to before me this **first** day of **May**, 19**27**

C. A. Long

District Engineer, Forest Service

OATH OF SURVEYOR

I, **C. A. Long** **District Engineer, 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 **December 26**, 19**25**, 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 patents**

No. _____, dated _____, 19____, for _____, under the Act of **June 11**, 19**06**, the same to be known as Homestead Entry Survey No. **646**, situated within the **Tonto** National Forest, in **31** Township **11 1/2 N**, Range **11 1/2 E**, and ~~Surveyed Section~~ ~~Surveyed Section~~ _____, Range _____

of the **Gila and 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

C. A. Long

District Engineer, Forest Service. [Forest Service Title.]

Subscribed and sworn to before me this **14th** day of **June**, 19**27**.

Bonnie M. Brewer
Notary Public



8-2349

TONTO NATIONAL FOREST
STATE OF ARIZONA

Chains

Surveyed a tract of land as a basis for listing and patent, under special instructions from the office of Public Surveys, dated December 26, 1925, and designated as Homestead Entry Survey No. 646.

Charles Yunker, applicant.

~~Situated in what will probably be, when surveyed,~~

Sec. 31 T. 11 $\frac{1}{2}$ N. R. 11 $\frac{1}{2}$ E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and May 11, 1926:

Survey commenced April 28, 1927 and executed with a Buff and Buff transit #10802 equipped with Smith solar attachment. I test the adjustment of transit and make necessary corrections.

All distances are horizontal and were reduced from measurements made directly on the slopes with a 500 link steel tape. The slope angles were determined with a clinometer.

April 28, 1927.

At the corner to sections 29, 30, 31 and 32 T. 11 $\frac{1}{2}$ N. R. 11 $\frac{1}{2}$ E., which is a sandstone 12x14x8 inches above ground, firmly set, marked and witnessed as described by the Office of Public Surveys, in Latitude 34° 21' N., Longitude 111° 09' W. from Forest Service Base Map, at 6 h 23 m 24 s p.m. L.M.T. I observe Polaris with telescope direct reading an angle of 46° 09' 30" from star to right to reference mark about one mile distant.

E.M.T., U.C. Polaris April 28, 1927 11h.12.4m. A.M.

Correction for Longitude 1.2m.

L.M.T. U.C. Polaris April 28, 1927 11h.11.2m. A.M.

Astro. L.M.T. of Obsn. April 28, 1927 18h23.4m.

Meantime hour angle = 7h12.2m.

2

TONTON NATIONAL FOREST

STATE OF ARIZONA.

Chains

Azimuth of Polaris at obsn. = $1^{\circ} 14' 45''$ W.Angle from star to reference $46^{\circ} 09' 30''$
markBearing of Reference Mark = $N.44^{\circ} 54' 45''$ E.

At the same station 6h 27m. 24s. p.m. l.m.t. I again observe Polaris with telescope reversed and read an angle of $46^{\circ} 09' 00''$ from star to right to the same reference mark.

L.M.T., U.C. Polaris, April 28, 1927 = 11h 11.2m. A.M.

Astro. L.M.T. of Obs. April 28, 1927 = 18h 27.4m

Meantime hour angle 7h 16.2m

Azimuth of Polaris at obsn. = $1^{\circ} 14' 16''$ W.Angle from star to reference $46^{\circ} 09' 00''$
markBearing of reference mark = $N 44^{\circ} 54' 44''$ E.

The mean of the two bearings gives the bearing of reference mark as $N. 44^{\circ} 54' 44\frac{1}{2}''$ E. and from the meridian thus determined all the courses of this survey were deflected.

April 29, 1927.

RETRACEMENTS.

From the cor. to secs. 29, 30, 31 and 32 T. $11\frac{1}{2}$ N. R. $11\frac{1}{2}$ E. heretofore described, thence south retracing line between secs. 31 and 32. (Record S. $0^{\circ} 1'$ W.)

40.20 Fall $10\frac{1}{2}$ lks. west of the $\frac{1}{4}$ sec. corner between secs. 31 and 32, which is a slate stone $10 \times 12 \times 10$ inches above ground, marked and witnessed as described by the office of Public Surveys.

True course of this line is S. $0^{\circ} 09'$ E. 40.20 chains.

BOUNDARIES OF CLAIM.

April 29, 1927.

Beginning at Corner #1.

I deposit a limestone $2 \times 3 \times 3$ inches marked with a +, 24"

TONTON NATIONAL FOREST

STATE OF ARIZONA.

Chains

in the ground over which set an iron post 2 inches dia.,
36" long with brass cap marked 1 HES 646 on side facing
claim, and 1927 on rim of cap. Raise mound of stone 3
ft. base 2 ft. high in claim, whence

An oak 14 in. dia. bears S 26° 00' W. 31 lks. dist.

A pine 18" dia. brs. N. 31° 20' W. 80 lks. dist.

each blazed and scribed 1 HES + 646 B.T.

The cor. to secs. 29, 30, 31 and 32 T. 11½ N. R. 11½ E.

heretofore described bears N. 04° 28' E. 12.46 chs.

by traverse which appears at end of these notes.

Latitude 34° 20' 50" N. Longitude 111° 09' W. from Forest

Service Base Map.

The magnetic declination at 9 a.m. is 14° 45' E. mean

mag. decl. is 14° 42' E.

This corner was placed 100 lks. west of section line in
order to afford a watering place for livestock, and for
roadway purposes.

Thence S. 0° 09' E.

0.60 creek 10 lks. wide 6" deep - course S 30° 00' W.

1.45 same creek 10 lks. wide 6 inches deep - course S. 45° 00' E.

31.90 Board fence bears N. 45° 00' W. and S. 45° 00' E. Enters
cultivated land.

25.90 Board fence bears N. 45° 00' E. and S. 45° 00' W. leaves
cultivated land.

3.00 Creek 10 lks. wide 6 in. deep Course S 55° 00' W.

3.65 To Cor. #2. Deposit a sandstone 2x4x5 inches marked
with a +, 24 in. in the ground over which set an iron
post 2 inches dia., 36 inches long with brass cap marked
2 HES 646 on side facing claim and 1927 on rim of cap.

Raise mound of stone 3 ft. base 2 ft. high in claim
whence

A pine 12 inches dia. brs. N. 19° 30' W. 18 lks. dist.

#4.

Chains

A pine 10 ins. dia. brs. S. 60° 25' W. 25 lks. dist.
each blazed and scribed 2 HES + 646 B.T.

Thence S. 57° 56' W.

Thru edge of dense pine reproduction

14.35 To Cor. No. 3.

Deposit a limestone 1x3x4 ins. marked with a + 24 ins.

in the ground, over which set an iron post 2 inches dia.
36 inches long with brass cap marked 3 HES + 646 on side
facing claim and 1927 on rim of cap. Raise mound of stone
3 ft. base 2 ft. high in claim, whence

An oak 16 in. dia. brs. S. 27° 40' E. 15 lks. dist.

A pine 12 in. dia. brs. N. 71° 25' E. 26 lks. dist.

Each blazed and scribed 3 HES + 646 B.T.

April 30, 1927.

Thence S. 78° 31' W.

Thru edge of dense pine reproduction

7.40 wire drift fence bears N and S

9.95 To Cor. No. 4

Deposit a sandstone 2x2x3 inches marked with a + 18 ins.

in the ground, over which set a sandstone 10x18x24 ins.
marked a + on top and 4 HES 646 on side facing the claim.

Raise mound of stone 3 ft. base 2 ft. high in claim,
whence

An oak 16 ins. dia., brs. N. 61° 05' E. 118 lks. dist.

A pine 28 ins. dia., brs. S. 69° 25' E. 74 lks. dist.

Each blazed and scribed 4 HES + 646 B.T.

Thence S. 45° 03' W.

Thru edge of pine reproduction and along board fence

TONTON NATIONAL FOREST

STATE OF ARIZONA.

#5.

Chains	20 lks. dist.
3.91	To Cor. No. 5 Deposit a limestone 3x4x6 ins. marked with a + 24 ins. in the ground over which set an iron post 2 ins. dia. 36 ins. long with brass cap marked 5 HES 646 on side facing claim, and 1927 on rim of cap. Raise mound of stone 3 ft. base 2 ft. high in claim, whence A juniper 8 ins. dia. brs. S 41°00' E. 26 lks. dist. A pine 36 ins. dia. brs. S 32°18' W. 53 lks. dist. each blazed and scribed 5 HES + 646 B.T. Flag on Forest Service triangulation station on Myrtle point bears N 14°21'30" E. about 2 miles dist.
	Thence N. 89°21' W. Thru edge of dense pine reproduction and along S side of board fence 20 lks. dist.
6.50	To Cor. No. 6 Point for Cor. falls on limestone ledge in place showing 14x18x12 ins. above ground, marked a + for the point and 6 HES 646 on side facing claim. Raise mound of stone 3 ft. base 2 ft. high in claim, whence An oak 16 ins. dia. brs. N. 58°05' W. 38 lks. dist. A pine 12 ins. dia. brs. S. 37°15' W. 20 lks. dist. Each blazed and scribed 6 HES + 646 B.T. Flag on Forest Service triangulation station on Myrtle Point bears N. 16° 17' E. about 2 miles distant.
	Thence S. 72° 56' W. Through edge of dense pine reproduction.
11.50	Corner of board fence from which fences bear N. 48° N. 30' E. and 61°00' W.
14.26	To Cor. #7. Deposit a sandstone 2x2x3" marked with a + 24" in the ground, over which set an iron post 2" dia. 36"

132

Chains	<p>long with brass cap, marked 7 HES 646 on side facing claim, and 1927 on rim of cap. Raise mound of stone 3' base 2' high in claim, whence:</p> <p>A pine 24" dia. bears N. 16°00' E. 31 lks. distant</p> <p>A pine 24 ins. dia. brs. S, 68°15' W. 10 lks. dist.</p> <p>Each blazed and scribed 7 HES + 646 B. T.</p> <hr/> <p>Thence N 78° 37' W</p> <p>Thru edge of dense pine reproduction</p> <p>0.70 Road bears N 10° 00' E. and S. 10° 00' W.</p> <p>2.50 Creek 10 lks. wide course S. (No water in creek)</p> <p>2.96 To Cor. No. 8</p> <p>Point for Cor. falls on limestone ledge showing 18x12x30 ins. above ground. Mark a + for the point and 8 HES 646 on side facing claim. Raise mound of stone 3 ft. base 2 ft. high in claim, whence</p> <p>A juniper 26 ins. dia. brs. N. 60°20' W. 67 lks. dist.</p> <p>An oak 12 ins. dia. brs. S. 04°30' W. 18 lks. dist.</p> <p>Each blazed and scribed 8 H.E.S. + 646 B.T.</p> <hr/> <p>May 1, 1927</p> <p>Thence N. 42° 15' E.</p> <p>0.50 Intersect W. bdy. of creek, follow along same.</p> <p>2.00 Leave W. bdy. of creek coming in from East.</p> <p>3.20 Cor. of board fence is S. 45°00' E. 75 lks.</p> <p>6.00 Road bears N. 41°00' E. and S. 41°00' W.</p> <p>8.00 Follow along NW side of board fence 5 lks. distant</p> <p>12.16 To Cor. No. 9</p> <p>Deposit a sandstone 2x4x5 ins. marked with a + 24 ins. in the ground over which set an iron post 2 ins. dia. 36 ins. long with brass cap marked 9 HES 646 on side facing claim and 1927 on rim of cap. Raise mound of stone 3 ft. base 2 ft. high in claim, whence</p>
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TOMTO NATIONAL FOREST
STATE OF ARIZONA.

#7

Chains

An oak 8 ins. dia. brs. S. 76°50' W. 28 lks. dist.
A pine 12 ins. dia. brs. N. 10°00' E. 44 lks. dist.
Each blazed and scribed 9 HES + 646 B.T.

Thence N. 19°29' E.

Along W. side of board fence 5 lks. dist. and along edge of dense pine reproduction.

3.00 Leave board fence bearing N. 70°00' E.

3.10 Road bears N.65°00' E. and S.45°00' W.

3.34 To Cor. No. 10

Deposit a sandstone 2x3x4 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long with brass cap marked 10 HES 646 on side facing claim and 1927 on rim of cap. Raise mound of stone 3 ft. base 2 ft. high in claim; whence

A pine 12 ins. dia. brs. N. 01°15' W. 26 lks. dist.

A pine 10 ins. dia. brs. S.62°12' W. 25 lks. dist.

Each blazed and scribed 10 HES + 646 B.T.

Thence N. 76°37' E.

Thru edge of scattering pine reproduction.

1.25 Road bears N.70°00' E. and S.60°00' W.

1.85 Wash 20 lks. wide course S.15°00' E. and N. 15°00' W.

2.24 To Cor. No. 11.

Point falls on sandstone ledge 3x4x2 ft. above ground, marked a + for Cor. point and 11 H.E.S. 646 on side facing claim. Raise mound of stone 3 ft. base 2 ft. high N. of Cor. (impracticable to place mound in claim) whence,

An oak 14 ins. dia. brs. S.30°45' E. 48 lks. dist.

A pine 10 ins. dia. brs. S. 71°30' W. 41 lks. dist.

Each blazed and scribed 11 HES + 646 B.T.

Thence S. 17°41' W.

TOMCO NATIONAL FOREST
STATE OF ARIZONA.

Chains	Thru edge of dense pine reproduction
0.60	Wash 20 lks. wide, course S 20°00' E.
1.13	Cor. of board fence whence fences bears N.15°00' W. and S.17°00' W. following along E. side of fence and W. side of wash.
4.50	Cross wash bears S.30°00' W. and leave fence.
4.70	Board fence bears NW and SE and joins N. and S. fences 10 lks. W. of line from which an other fence bears S.30°00' W.
5.54	To Cor. No. 12. Point for Cor. falls on limestone ledge 20x20x6 ins. above ground, Mark a + for Cor. point and 12 HES 646 on side facing claim. Raise mound of stone 3 ft. base 2 ft. high in claim, whence An oak 16 ins. dia. brs. S. 27°00' E. 39 lks. dist. A pine 10 ins. dia. brs. N. 74°30' E. 46 lks. dist. Each blazed and scribed 12 HES + 646 B.T.
	Thence N. 89°50' E. Thru edge of dense pine reproduction.
0.95	Board fence bears N. 89°55' E. and N.45°00' W.
9.93	To Cor. No. 13. Point for Cor. falls on limestone ledge 36x30x12 ins. above ground. Mark a + for the point and 13 HES 646 on side facing claim. Raise mound of stone 3 ft. base 2 ft. high in claim, whence A pine 10 ins. dia. brs. N. 77°50' E. 19 lks. dist. An oak 10 ins. dia. brs. N. 10°15' W. 47 lks. dist. Each blazed and scribed 13 HES + 646 B.T.
	Thence N. 64°53' E. Thru edge of dense pine reproduction and along N. side of board fence 10 lks. dist.
6.19	To Cor. No. 14

TOMHO NATIONAL FOREST
STATE OF ARIZONA.

Chains

Deposit a sandstone 2x3x3 ins. marked with a + 24 ins. in the ground over which set an iron post 2 ins. dia. 36 ins. long with brass cap marked 14 HES 646 on side facing the claim and 1927 on rim of cap.

Raise mound of stone 3 ft. base, 2 ft. high in claim whence

A pine 12 ins. dia. brs. N. 50°30'W. 11 lks. dist.

A pine 12 ins. dia. brs. S. 61°00' W. 15 lks. dist.

Each blazed and scribed 14 HES + 646 B.T.

Thence N. 73°02'E.

Thru edge of dense pine reproduction

3.00 Wire drift fence bears N and S.

5.00 Road bears N. 74°00'E. and S. 74°00'W.

16.45 To Cor. No. 15.

Deposit a sandstone 2x3x4 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long, with brass cap marked 15 HES 646 on side facing claim and 1927 on rim of cap. Raise mound of stone 3 ft. base 2 ft. high N. of Cor. (Impracticable to place mound of stone in claim as Cor. is in edge of road).

A pine 12 ins. dia. brs. S. 57°00'W. 10 lks. dist.

A pine 12 ins. dia. brs. N. 14°45'W. 30 lks. dist.

Each blazed and scribed 15 HES + 646 B.T.

Thence N. 54°42'E.

Thru dense pine reproduction and along N. side of road

3.00 Leave N. side of road which bears off to E.

7.00 Road bears S. 45°00' W. and N. 45°00'E.

8.11 To Cor. No. 1 the place of beginning.

May 1, 1927.

AREA

Total Area 21,697 Acres.

TONTO NATIONAL FOREST
STATE OF ARIZONA.

Chains

IMPROVEMENTS.

Improvements made on the claim and belonging to the claimant consists of the following:

A frame dwelling 22x16 ft. long side bears N.54°00'E. and S.54°00'W. the NE cor. of which bears S.55°30'W. 1.89 ch. from Cor. No. 15 Value \$500.00.

A frame shop building 12x14 ft. the long sides bear N.54°00'E. and S.54°00'W. the NE Cor. of which bears S.55°00'W. 1.44 ch. from Cor. No.15 Value \$250.00.

A frame barn 32x24 ft. the long sides bear S.54°00'W. and N.54°00'E. the NW Cor. of which bears N.59°45'E. 2.38 ch. from Cor. No. 15 Value \$350.00.

A slab barn 22x16 ft. long sides bear E. and W. The S.W. Cor. of which bears N.50°35'E. 1.23 ch. from Cor. No. 6 Value \$ 75.00.

Approximately 1½ miles of board fence on the claim. Value \$300.00.

DESCRIPTION.

The claim is situated about 25 miles East of Payson on a small stream locally known as Boles Creek. The soil is a sandy loam and produces good crops of hay, grain and vegetables without irrigation as the rainfall in the region is ordinarily sufficient to produce crops with dry farming methods.

About 10 acres is now under cultivation and approximately 15 acres is suitable for farming.

Water for domestic purposes is obtained from a good well of permanent water and the small stream through the claim affords ample water supply for stock.

There is no timber of merchantable size on the claim,

TONTO NATIONAL FOREST
STATE OF ARIZONA.

No. 11.

Chains


and there is no evidence of any mineral on the claim or in the vicinity.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims , altho the patented homestead of S. E. Boles lies to the East, this claim being separated therefrom by a 100 link strip of land which was left for a stock driveway and to afford a passageway at some later time when the Forest Service timber is milled.

Payson, Arizona, the nearest postoffice and trading point, is 25 miles west of the claim and is reached by a good road.

Survey completed May 1, 1927.


District Engineer, Forest Service.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

<p>1.000</p>	<p>1.000</p>
<p>1.000</p>	<p>1.000</p>
<p>1.000</p>	<p>1.000</p>

Electronics Division

Item No.	Description	Quantity	Unit Price	Total Price	Material No.	Material Description	Material Price	Material Total
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END

NO. 1000

- 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. 646, STATE OF ARIZONA.

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
			TIE FROM COR. # 1 TO COR. OF SECS. 29-30-31-32.						
			T 11½ N. R. 11½ E.						
	East	1.00			1 00				
	N. 0° 09' W.	12.42	12 42			0 03			
			12 42		1 00				
					03				
					0 97				
	S.04°28'W.	12.46		12 42		0 97			

345 ...

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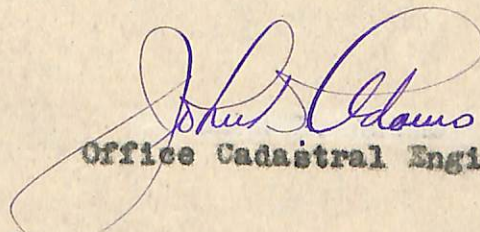
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APPROVAL.

PUBLIC SURVEY OFFICE,

Phoenix, Arizona,
September 7, 1927.

The foregoing field notes of Homestead
Entry Survey No. 646, executed by C. A. Long,
District Engineer, Forest Service, under his
special instructions, dated December 26, 1925,
having been critically examined, and the necessary
corrections and explanations made, the said field
notes, and the surveys they describe, are hereby
approved.


Office Cadastral Engineer.

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.

John D. Adams
Office Cadastral Engineer.

