

# ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

## FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 391

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 20 , - surveyed, Township 14 N., Range 10 E.  
In Section 28 , - surveyed, Township 14 N., Range 10 E.  
In Section 29 , - surveyed, Township 14 N., Range 10 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Newton A. Tipton,  
Residence Pine, Arizona  
Application No. 74 , dated July 31 , 1908  
List No. 3-835 , dated November 14 , 1910

Applicant for survey Leonard A. Hough,  
Residence Pine, Arizona  
H. E. No. 014800 , dated June 29 , 1911  
Office  
Land ~~District~~ Phoenix, Arizona

Survey executed by R. P. A. Johnson, Surveyor - Draftsman  
[Forest Service Title.]  
Under special instructions dated July 9 , 1915  
Survey commenced May 24 , 1916  
Survey completed May 27 , 1916  
Under Acts of June 11, 1906 and March 4, 1915

SER.4-1917

MAR-2-1918  
JUN 11, 1918

DEC 9-1918

OATH OF ASSISTANTS

We hereby certify that we assisted R. P. A. Johnson  
Surveyor Draftsman in surveying all those  
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. 391, 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 estab-  
lished, according to the instructions furnished by the United States  
Surveyor General for Arizona

Note: It would have been  
very expensive and incon-  
venient to appear before an  
officer to administer oaths  
to Assistants; hence, they  
were taken by the Surveyor.

Nelson Newman, Chairman  
-----

Ferry D. Lewis, Chairman  
-----

Subscribed and sworn to before me this twenty seventh day of  
May, 1916.

R. P. A. Johnson  
Surveyor Draftsman

OATH OF SURVEYOR

I, R. P. A. Johnson, Surveyor Draftsman  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for Arizona, dated  
July 9, 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. 3-835, dated November 14, 1910, for  
patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 391,  
situated within the Coconino National Forest, in  
- surveyed Section 20, Township 14N, Range 10E, and  
- surveyed Section 28, Township 14N, Range 10E,  
- surveyed Section 29, Township 14N, Range 10E

of the Gila and Salt River Basins 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.

DISTRICT OF COLUMBIA  
CITY OF WASHINGTON

R. P. A. Johnson  
Surveyor Draftsman  
[Forest Service Title.]

Subscribed and sworn to before me this twelfth day of

January, 1917.

Sylvester L. McLaughlin  
NOTARY PUBLIC, D. C.



Commission expires  
June 20, 1918.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains. Applicant for listing, Newton A. Tipton; Application No. 74, dated July 31, 1908; List No. 3-835, dated November 14, 1910; H. E. 014800, made in the Phoenix Land Office on June 29, 1911 by Leonard A. Hough.

Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915 and designated as Homestead Entry Survey No. 391.

Situated in surveyed Sections 20, 28 and 29, T. 14 N., R. 10 E., Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1915.

Survey commenced May 24, 1916 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 24, 1916.

I observe Polaris at 1/4 sec. cor. bet. secs. 28 and 29, T. 14 N., R. 10 E., hereinafter described. The reading on the reference object West of Star is set at zero.

My watch is set for local mean time.

Lat. 34° 34' 10" N., Long. 111° 18' 45" W., from special instructions from the Surveyor General.

Telescope	Time, p.m.	Horizontal Angle
Direct	6h. 15m.	21° 37' 00"

Chains

1.m.t. obsn., May 24, 1916; p. m. 6h. 15.0m.

1.m.t. U.C. Pol., May 24, 1916, a.m. 9h. 22.4m.

8h. 52.6m. ✓

Longitude Correction, 01.2m.

Hour Angle Pol., 8h. 53.8m. ✓

Azimuth Polaris at obsn.,  $0^{\circ} 59' 36''$  W. ✓Bearing of reference object,  $N. 22^{\circ} 36' 36''$  W.

I again observe Polaris at 1/4 sec. cor. bet. secs. 28 and 29, hereinafter described. The reading on the reference object West of Star is set at zero.

Telescope	Time, p.m.	Horizontal Angle
Reversed	6h. 19m. 14s.	$21^{\circ} 38' 30''$
1.m.t. obsn., May 24, 1916, p.m.		6h. 19.2m.
1.m.t. U.C. Pol., May 24, 1916, a.m.		<u>9h. 22.4m.</u>
		8h. 56.8m.
Longitude Correction,		<u>01.2m.</u>
Hour Angle Pol.,		8h. 58.0m.
Azimuth Polaris at obsn., $0^{\circ} 58' 24''$ W.		
Bearing of reference object, $N. 22^{\circ} 36' 54''$ W.		

The mean of these is  $N. 22^{\circ} 36' 45''$  W. and from the corresponding meridian all the courses of this survey were deflected.

May 24, 1916.

## RETRACEMENT

May 25, 1916.

The 1/4 sec. cor. bet. secs. 28 and 29, T. 14 N., R. 10

E., which is described by the Surveyor General as a post with mound of earth, pits, marked stone and two

witness trees. After strict search I fail to find any

trace of post, mound, pits or memorial, but find two

witness trees marked as described. I restore cor.

COCONINO NATIONAL FOREST

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from witnesses as follows:  
Deposit broken glass 10 ins. in the ground, over which  
set a limestone 20 x 12 x 5 ins. for 1/4 sec. cor.,  
marked 1/4 on W. face; and raise a mound of stone 3 ft.

base, 2 ft. high W. of cor., whence:

A pine, 18 ins. dia., bears N. 56° E., 156

lks. dist., marked 1/4 S B T. (Old B T.)

A pine, 20 ins. dia., bears N. 81° W., 281

lks. dist., marked 1/4 S B T. (Old B T.)

Thence South.

On a random line bet. secs. 28 and 29, with  
40.26 Fall 24-1/2 lks. East of cor. for secs. 28, 29, 32 and  
33, which is a post marked and witnessed as described

by the Surveyor General. The post is badly decayed

and one witness tree is down. Therefore restore

cor. as follows:

Deposit a limestone 3 x 2 x 2 ins. marked with a +, 18

ins. in the ground, over which set a limestone 28 x 14

x 4 ins. marked with 1 notch on S. and 4 notches on E.

edges; and raise a mound of stone 3 ft. base, 2 ft

high W. of cor., whence:

A yellow pine, 22 ins. dia., bears N. 26° E.,

98 lks. dist., marked T 14 N R 10 E S 28 B T.

(Old B T.)

A yellow pine, 24 ins. dia., bears S. 66° E., 94

lks. dist., marked T 14 N R 10 E S 33 B T. (Old B T.)

(Reported in field notes from Surveyor General

as an Oak, 24 ins. dia.)

An Oak, 14 ins. dia., bears S. 19° W., 34 lks.,

dist., marked T 14 N R 10 E S 32 B T. (Old B T.)

(Reported in field notes from Surveyor General

as a Pine, 11 ins. dia.)

A yellow pine, 12 ins. dia., bears N. 51° 30' W.,

147 lks. dist., marked T 14 N R 10 E S 29 B T.

(New witness)

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Chains Thence N. 0° 21' E. : from witnesses as follows :  
On true line bet. secs. 28 and 29.

40.26 1/4 sec. cor. bet. secs. 28 and 29, heretofore described.

From 1/4 sec. cor. bet. secs. 28 and 29, heretofore

described. A pine, 18 ins. dia., bears N. 18° E., 58 lks.

Thence North 8 1/4 B. marked 1/4 B. dist., marked 1/4 B. dist.

On random line bet. secs. 28 and 29. A

40.03 (Fall 8 lks. West of cor. for secs. 20, 21, 28 and 29,

which is described by the Surveyor General as post

with marked stone and four witness trees. I am un-

able to find any trace of post or stone - after strict

search, but find four witness trees as described. I

restore cor. from witness trees as follows:

Deposit a limestone 4 x 3 x 1 ins. marked with a +, 10

ins. in the ground, over which set a limestone 20 x 8

+ 18 x 16 ins. punched 2 notches on S. edge and 4 notches

on East edge; and raise a mound of stone 3 ft. base,

2 ft. high W. of cor., whence: B. marked 1/4 B. dist.

A pine, 30 ins. dia., bears N. 37° E., 58 lks.

dist., marked T 14 N R 10 E S 21 B T. (Old B T.)

A pine, 20 ins. dia., bears S. 54° E., 68 lks.

dist., marked T 14 N R 10 E S 28 B T. (Old B T.)

(Reported in field notes from Surveyor General

as S. 54° E. 83 lks. dist., which measurement is

found to be in error.) A pine, 18 ins. dia., bears S. 46° W., 11 lks.

dist., marked T 14 N R 10 E S 29 B T. (Old B T.)

A pine, 20 ins. dia., bears N. 30° W., 123 lks.

dist., marked T 14 N R 10 E S 20 B T. (Old B T.)

Thence S. 0° 07' W. (Reported in field notes from Surveyor

General as S. 0° 07' W. 170 m. dist.)

On true line bet. secs. 28 and 29.

40.03 1/4 sec. cor. bet. secs. 28 and 29, heretofore described.

Return to cor. for secs. 20, 21, 28 and 29, heretofore

described.

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Chains Thence West 38.38 W 13.20 S ...  
 On random line bet. secs. 20 and 29.  
 40.81 Fall 14 lks. S. of 1/4 sec. cor. bet. secs 20 and 29,  
 which is a post marked as described by the surveyor  
 General. Post is partially decayed and one witness  
 tree is down. I therefore restore cor. as follows:  
 Deposit a limestone 4 x 4 x 2 ins. marked with a +, 14  
 ins. in the ground, over which set a limestone 24 x 12  
 x 6 ins., chiseled 1/4 on N. face; and raise a mound  
 of stone 3 ft. base, 12 ft. high N. of cor., whence:  
 A pine, 20 ins. dia., bears S. 52° 45' W.,  
 28 lks. dist., scribed 1/4 S 29 B T. (Old B T.)  
 (Reported in field notes from Surveyor General  
 as Pine, 16 ins. dia., S. 46° W. 28 lks. dist.,  
 which bearing is found to be in error.)  
 A pine, 16 ins. dia., bears N. 8° 30' E., 157  
 lks. dist., scribed 1/4 S 20 B T. (New witness.)  
 Thence S. 89° 48' E.  
 On true line bet. secs. 20 and 29.  
 40.81 Cor. for secs. 20, 21, 28 and 29, heretofore described.  
 May 25, 1916.

BOUNDARIES OF CLAIM.

May 26, 1916.  
 Beginning at cor. No. 1 and C. C. on line bet. secs.  
 28 and 29.  
 Point for cor. falls on a large limestone outcrop  
 showing 6 ins. above ground. I chisel a + on top  
 for point, 1 - H E S 391 West of cross and C C NE.  
 of cross; and raise a mound of stone 3 ft. base, 2 ft.  
 high N E. of cor., whence:  
 A yellow pine, 8 ins. dia., bears N 36° 06' E.,  
 22 lks. dist., scribed 1 H E S 391 + B T.  
 A yellow pine, 6 ins. dia., bears S. 22° 53' E.,  
 58 lks. dist., scribed 1 H E S 391 + B T.  
 Cor. for secs: 28, 29, 32 and 33, heretofore

Chains described, bears S. 0° 21' W., 36.79 chs. dist. 1/4 sec. cor. bet. secs. 28 and 29, heretofore described, bears N. 0° 21' E., 3.47 chs. dist. Lat. 34° 34' 08" N., Long. 111° 18' 45" W., from special instructions from the Surveyor General and later verified. Mag. decl. at 8 a.m., 14° 30' E. Mean mag. decl., 14° 27' E. Thence S. 15° 11' W., 1/4 mi. Descend 10 ft. in edge of timber to cor. 6.16 Cor. H-13 of the list survey, which is a pine post 5 x 5 (10 x 10 ins. above ground, marked and witnessed as described by the Forest Service. Destroy all traces of this list cor. To cor. No. 2. Deposit broken glass 14 ins. in the ground, over which set a limestone 24 x 12 x 5 ins., chiseled + for the point and 2 - H E S 391 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., whence: A yellow pine, 26 ins. dia., bears S. 1° 27' W., 23 lks. dist., scribed 2 H E S 391 + B T. A yellow pine, 24 ins. dia., bears N. 42° 49' W., 120 lks. dist., scribed 2 H E S 391 + B T.

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Thence N. 72° 21' W. Across open draw, drains N. 2.85 Road bears NE. and SW. 3.07 Fence cor., fence bears S. 65° E., NE. and along line. 4.40 Arroyo, 10 lks. wide, 3 ft. deep, course N. 5.20 Fence cor., fence bears N. 20° E. Leave fence. 5.74 To cor. No. 3. Point for cor. falls on a limestone boulder in place, showing 40 x 18 x 8 ins. above ground. I mark + on top for point and 3 - H E S 391 on East face; and raise a mound of stone 3 ft. base, 2 ft. high East of cor.,



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whence:

A yellow pine, 32 ins. dia., bears N. 71° 06' W.,  
74 lks. dist., scribed 3 H E S 391 + B T.

A yellow pine, 30 ins. dia., bears N. 15° 31' E.,  
206 lks. dist., scribed 3 H E S 391 + B T.

Cor. H-12 of the list survey, which is a pine  
post 6 x 4 x 10 ins. above ground, marked  
and witnessed as described by the Forest  
Service, bears N. 20° 51' E., 80 lks. dist.

I destroy all trace of this list cor.

Cor. No. 12, H. E. S. 97, which is a limestone  
8 x 4 x 10 ins. above ground, marked 12 -  
H E S 97 on SE. face, bears S. 40° 28' W.,  
17.72 chs. dist., by traverse which appears  
at the end of these notes.

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Thence N. 29° 16' E.

Over level land in edge of timber.

6.66 Fence bears N. 20° E. and S. 20° W.

10.42 To cor. No. 4.

Identical with cor. H-11 of the list survey, which is  
a pine post 3 x 3 x 10 ins. above ground, marked and  
witnessed as described by the Forest Service. I de-

stroy all trace of this list cor. Deposit broken

glass 14 ins. in the ground, over which set a lime-  
stone 24 x 8 x 8 ins., chiseled + for the point and

4 - H E S 391 on E. face; and raise a mound of stone  
4 ft. base, 2 ft. high around cor., whence:

A yellow pine, 12 ins. dia., bears N. 75° 43' W.,  
111 lks. dist., scribed 4 H E S 391 + B T.

A yellow pine, 22 ins. dia., bears N. 23° 37' W.,  
114 lks. dist., scribed 4 H E S 391 + B T.

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Thence N. 5° 20' W.

Chains  
 11.00 Over level land, along edge of timber. Enter arroyo, 15 lks. wide, 3 ft. deep, course N.  
 12.40 Leave arroyo, 15 lks. wide, 3 ft. deep, course N.  
 12.49 To cor. No. 5.  
 Identical with cor. H-10 of the list survey, which is a limestone 12 x 3 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit broken glass 14 ins. in the ground, over which set a limestone 24 x 14 x 8 ins., chiseled for the point and 5 - H E S 391 on E. face; and raise a mound of stone 4 ft. base, 2 ft. high around cor., whence:  
 A yellow pine, 28 ins. dia., bears N. 35° 20' W., 63 lks. dist., scribed 5 H E S 391 + B T.  
 A yellow pine, 26 ins. dia., bears S. 60° 30' W., 83 lks. dist., scribed 5 H E S 391 + B T.

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Thence N. 18° 42' W.  
 Over level land, along edge of timber.  
 11.75 Enter arroyo, 20 lks. wide, 4 ft. deep, course NNW.  
 20.15 Fence bears N. 50° E. and S. 50° W. Leave arroyo, course N.  
 21.67 To cor. No. 6.  
 Identical with cor. H-9 of the list survey, which is a limestone boulder in place, 5 x 3 x 2 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark + on top of same boulder for the point and 6 - H E S 391 on NE. face for cor. No. 6 of this survey; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:  
 A yellow pine, 18 ins. dia., bears S. 66° 20' W., 55 lks. dist., scribed 6 H E S 391 + B T.  
 A yellow pine, 18 ins. dia., bears N. 59° 31' E.,

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78 lks. dist., scribed 6 H E S 391 + B T.

Thence N. 50° 52' W.

Over level land, along edge of timber.

12.60 Fence: bears N. 7° W. and S. 7° E.

12.94 To cor. No. 7 and C. C. on line bet. secs. 20 and 29.

Deposit broken glass 14 ins. in the ground, over which set a limestone 24 x 14 x 6 ins., chiseled + for the point, 7 - H E S 391 on E. face and C C on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., whence:

A yellow pine, 20 ins. dia., bears S. 32° 10' E., 114 lks. dist., scribed 7 H E S 391 + B T.

A yellow pine, 20 ins. dia., bears S. 58° 09' W., 152 lks. dist., scribed 7 H E S 391 + B T.

Cor. H-8 of the list survey, which is a pine post 6 x 3 x 10 ins. above ground, marked and witnessed as described by the Forest Service, bears N., 65 lks. dist. I destroy all trace of this list cor.

Cor. for secs. 20, 21, 28 and 29, heretofore described, bears S. 89° 48' E., 20.91 chs. dist.

1/4 sec. cor. bet. secs. 20 and 29, heretofore described, bears N. 89° 48' W., 19.90 chs. dist.

May 26, 1916.

May 27, 1916.

Thence N. 0° 03' E.

Over level land, along edge of timber.

1.50 Fence bears N. 7° W. and S. 7° E.

13.17 To cor. No. 8.

Identical with cor. H-7 of the list survey, which is a limestone boulder in place 5 x 3 x 1-1/2 ft. above

Chains ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark + on top of same boulder and 8' - H E S. 391 on E. face for cor. No. 8 of this survey; and raise a mound of stone 3 ft. base, 4 ft. high E. of cor., whence:

A yellow pine, 24 ins. dia., bears S. 31° 25' W., 167 lks. dist., scribed 8 H E S 391 + B T.

A yellow pine, 10 ins. dia., bears N. 45° 10' W., 95 lks. dist., scribed 8 H E S 391 + B T.

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Thence N. 13° 44' W.

Over level land, along edge of timber.

10.20 Fence bears N. 7° W. and S. 7° E.

15.22 To cor. No. 9.

Identical with cor. H-6, of the list survey, which is a pine post 6 x 6 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 3 x 3 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 16 x 8 ins., chiseled + for the point and 9' - H E S 391 on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., whence:

A yellow pine, 24 ins. dia., bears S. 29° 44' W., 81 lks. dist., scribed 9 H E S 391 + B T.

A yellow pine, 24 ins. dia., bears S. 65° 42' W., 83 lks. dist., scribed 9 H E S 391 + B T.

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Thence East.

Over level land. Across open draw, drains N.

0.90 Fence cor., fence bears S. 7° E. and ENE.

1.80 Arroyo, 30 lks. wide, 5 ins. deep, course N.

5.80 To cor. No. 10.

Deposit broken glass 14 ins. in the ground, over which

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set a limestone 24 x 10 x 6 ins., chiseled + for the point and 10 - H E S 391 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:

A yellow pine, 14 ins. dia., bears N. 34° 43' E., 77 lks. dist., scribed 10 H E S 391 + B T.

A yellow pine, 16 ins. dia., bears S. 60° 44' E., 71 lks. dist., scribed 10 H E S 391 + B T.

Cor. H-5 of the list survey, which is a pine post, 6 x 6 x 16 ins. above ground, marked and witnessed as described by the Forest Service, vice, bears N. 22° 58' E., 128 lks. dist.

I destroy all trace of this list cor.

Thence S. 10° 40' E.

Over level land in edge of timber.

28.49 To cor. No. 11 and C. C. on line bet. secs. 20 and 29.

Point for cor. falls on a limestone boulder in place showing 5 x 4 x 1 ft. above ground. I chisel + at the point, 11 - H E S 391 to SW. of cross and C C to NNW. of cross; and raise a mound of stone 3 ft. base, 2 ft. high NNW. of cor., whence:

A yellow pine, 32 ins. dia., bears S. 33° 01' W., 46 lks. dist., scribed 11 H E S 391 + B T.

A yellow pine, 32 ins. dia., bears N. 52° 06' W., 35 lks. dist., scribed 11 H E S 391 + B T.

Cor. H-4 of the list survey, which is a pine post, 4 x 4 x 12 ins. above ground, marked and witnessed as described by the Forest Service, vice, bears N. 45° 33' E., 3.52 chs. dist.

I destroy all trace of this list cor.

Cor. for secs. 20, 21, 28 and 29, heretofore described, bears S. 89° 48' E., 13.44 chs. dist.

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Chains 1/4 sec., cor. bet. secs. 20 and 29, heretofore de-  
scribed, bears N. 89° 48' W., 27.37 chs. dist.

Thence S. 43° 04' E.

Over level land, along edge of timber.

8.84 To cor. No. 12.

Identical with cor. H-33 of the list survey, which is

a pine post 6 x 6 x 12 ins. above ground, marked and

witnessed as described by the Forest Service. I de-

stroy all traces of this list cor., Deposit a lime-

stone 4 x 4 x 3 ins. marked with a +, 14 ins. in the

ground, over which set a limestone 24 x 8 x 6 ins.,

chiseled + for the point and 12 H E S 391 on W. face;

and raise a mound of stone 3 ft. base, 2 ft. high W.

of cor., whence:

A yellow pine, 28 ins. dia., bears S. 50° E.,

144. lks. dist., scribed 12 H E S 391 + B T.

A yellow pine, 24 ins. dia., bears N. 3° 39' W.,

171. lks. dist., scribed 12 H E S 391 + B T.

Thence S. 19° 04' E.

Over level land, along edge of timber.

1.00 Fence cor., fence bears S. 55° W. and along line.

22.54 To cor. No. 13 and C. C. on line bet. secs. 28 and 29.

Identical with cor. H-23 of the list survey, which is

a pine post 6 x 6 x 12 ins. above ground, marked and

witnessed as described by the Forest Service. I de-

stroy all trace of this list cor., Deposit a lime-

stone 4 x 2 x 2 ins. marked with a +, 14 ins. in the

ground, over which set a limestone 24 x 12 x 6 ins.,

chiseled + for the point, 13 H E S 391 on W. face

and C. C. on NW. face; and raise a mound of stone 3 ft.

base, 2 ft. high WNW. of cor., whence:

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A yellow pine, 26 ins. dia., bears N. 2° 14' W.,  
 31.33 - 111 lks. dist., scribed 13 H E S 391 + B T.

A yellow pine, 12 ins. dia., bears S. 86° 50' E.,  
 33.0 - 212 lks. dist., scribed 13 H E S 391 + B T.

Cor. for secs. 20, 21, 28 and 29, heretofore de-  
 scribed, bears N. 0° 07' E., 27.69 chs. dist.

1/4 sec. cor. bet. secs. 28 and 29, heretofore de-  
 scribed, bears S. 0° 07' W., 12.34 chs. dist.

Note: It was impracticable to place mound on claim line.

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Thence S. 5° 15' E., 31.48 x 03

Over level land in edge of timber. Fence on line.

9.50 Fence cor., fence bears S. 70° W. Leave fence.

11.70 To cor. No. 14. -----

Identical with cor. H-1 of the list survey, which is  
 a pine post 6 x 4 x 16 ins. above ground, marked and  
 witnessed as described by the Forest Service. I de-  
 stroy all trace of this list cor. Deposit broken  
 glass 14 ins. in the ground, over which set a lime-  
 stone 24 x 8 x 5 ins., chiseled for the point and  
 14--H-E-S-391-on-W.-face; and raise a mound of stone  
 3 ft. base, 2 ft. high W. of cor., whence:

--A yellow pine, 30 ins. dia., bears N. 9° 13' E.,  
 247 lks. dist., scribed 14 H E S 391 + B T.

A yellow pine, 28 ins. dia., bears S. 40° 23' E.,  
 174 lks. dist., scribed 14 H E S 391 + B T.

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Thence S. 15° 11' W.

Over open level land.

1.00 Arroyo, 1 ft. deep, 20 lks. wide, course W. Ascend  
 5 ft. to rocky point.

4.31 To cor. No. 1, the place of beginning.

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Chains	AREA
Area in Sec. 29	22.12 acres
Area in Sec. 28	10.88 acres
Area in Sec. 20	16.17 acres
Total Area	39.17 acres

IMPROVEMENTS

The improvements made upon this claim consist of the following:

A log dwelling, 30 x 24 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 42° W., .89 lks. dist. from cor. No. 14.

Value ----- \$250.00

A shake barn, 32 x 32 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 9° 05' W., 185 lks. dist. from cor. No. 14.

Value ----- \$200.00

A well, 20 ft. deep, bears S. 2° 28' W., 8.85 chs. dist. from cor. No. 13.

Value ----- \$75.00

There are approximately 2 miles of wire fence.

Value ----- \$200.00

DESCRIPTION

This claim is situated in Long Valley, 10 miles North of Mogollon Rim and lies at an elevation of 7000 ft.

The claim is in a long narrow open draw, with low heavily timbered ridges to E. and W. The general slope is to the N. and is very slight.

The timber consists of a few yellow pine along boundary lines of claim. The remainder of the claim is open.

The soil is a rich black loam, weathering product of



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

limestone. It is deep and free from surface rock and outcrops, except for very small patches along boundaries.

There is no water for irrigation and none is necessary.

Water for domestic use is obtained from the well.

There are approximately 12 acres in cultivation.

I saw no indications of mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting or adjoining claims. H. E. S.

No. 97 of Travis Hough lies 1/4 mile to SW.

Pine, Arizona, the nearest post office, is 20 miles to

South. Flagstaff, Arizona, the nearest railroad

point, is 65 miles to North. Both are reached by

fair wagon roads.

TRAVERSES

TOTAL TRACT

Cor.	Course	Dist.	N.	S	E	W	
1-2	S. 15° 11' W.	8.66		8.36		2.27	
2-3	N. 72° 21' W.	5.74	1.74			5.47	
3-4	N. 29° 16' E.	10.42	9.09		5.09		
4-5	N. 5° 20' W.	12.49	12.44			1.16	
5-6	N. 18° 42' W.	21.67	20.53			6.95	
6-7	N. 50° 52' W.	12.94	8.17			10.04	
7-8	N. 0° 03' E.	13.17	13.17		0.01		
8-9	N. 13° 44' W.	15.22	14.78			3.61	
9-10	East	5.80			5.80		
10-11	S. 10° 40' E.	28.49		28.00	5.27		
11-12	S. 43° 04' E.	8.84		6.46	6.04		
12-13	S. 19° 04' E.	22.54		21.30	7.36		
13-14	S. 5° 15' E.	11.70		11.65	1.07		
14-1	S. 15° 11' W.	4.31		4.16		1.13	
			181.99	79.92	79.93	30.64	30.63
					79.92	30.63	
Error in Lat. and Dep.				.01	.01		

Closing error, 1:12868.

HOMESTEAD ENTRY SURVEY NO. 391

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Sec. 29, T. 14 N., R. 10 E.

Cor.	Course	Dist.	N	S	E	W	
1-2	S. 15° 11' W.	8.66		8.36		2.27	
2-3	N. 72° 21' W.	5.74	1.74			5.47	
3-4	N. 29° 16' E.	10.42	9.09		5.09		
4-5	N. 5° 20' W.	12.49	12.44			1.16	
5-6	N. 18° 42' W.	21.67	20.53			6.95	
6-7	N. 50° 52' W.	12.94	8.17			10.04	
7-11	S. 89° 48' E.	7.47		0.03	7.47		
11-12	S. 43° 04' E.	8.84		6.46	6.04		
12-13	S. 19° 04' E.	22.54		21.30	7.36		
13- $\frac{1}{4}$	S. 0° 07' W.	12.34		12.34		0.03	
$\frac{1}{4}$ -1	S. 0° 21' W.	3.47		3.47		0.02	
			126.58	51.97	51.96	25.96	25.94
				51.96		25.94	

Error in Lat. and Dep. .01 .02

Closing error, 1:5651.

Sec. 20, T. 14 N., R. 10 E.

Cor.	Course	Dist.	N	S	E	W	
11-7	N. 89° 48' W.	7.47	0.03			7.47	
7-8	N. 0° 03' E.	13.17	13.17		0.01		
8-9	N. 13° 44' W.	15.22	14.78			3.61	
9-10	East	5.80			5.80		
10-11	S. 10° 40' E.	28.49		28.00	5.27		
			70.15	27.98	28.00	11.08	11.08
				27.98		11.08	

Error in Lat. and Dep. .02 .00

Closing error, 1:3507

Sec. 28, T. 14 N., R. 10 E.

cor.	Course	Dist.	N	S	E	W	
1- $\frac{1}{4}$	N. 0° 21' E.	3.47	3.47		0.02		
$\frac{1}{4}$ -13	N. 0° 07' E.	12.34	12.34		0.03		
13-14	S. 5° 15' E.	11.70		11.65	1.07		
14-1	S. 15° 11' W.	4.31		4.16		1.13	
			31.82	15.81	15.81	1.12	1.13
					15.81		1.12

Error in Lat. and Dep. .00 .01

Closing error, 1:3182.

Survey completed May 27, 1916.

*J. P. Johnson*  
 Surveyor - Draftsman

APPROVAL

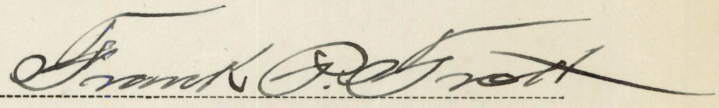
Office of the United States Surveyor General,

Phoenix, Arizona, June 14, 1918

The foregoing field notes of Homestead Entry Survey No.

391

executed by R. P. A. Johnson, Surveyor-Draftsman  
[Forest Service Title.]  
under his special instructions, dated July 9, 1915, 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.

DIRECTIONS.—1. Carry out calculations to two decimals only.  
2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink.  
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. 391, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 291-2	S. 15° 11' W.	8.66		8.36		2.27	39.35		328.97
2-3	N. 72° 21' W.	5.74	1.74			5.47	31.61	55.00	
3-4	N. 29° 16' E.	10.42	9.09		5.09		31.23	283.88	
4-5	N. 5° 20' W.	12.49	12.44			1.16	35.16	437.39	
5-6	N. 18° 42' W.	21.67	20.53			6.95	27.05	555.34	
6-7	N. 50° 52' W.	12.94	8.17			10.04	10.05	82.11	
7-11	S. 89° 48' E.	7.47		0.03	7.47		7.47		0.22
11-12	S. 43° 04' E.	8.84		6.46	6.04		20.98		135.53
12-13	S. 19° 04' E.	22.54		21.30	7.36		34.37		732.42
13-14	S. 0° 07' W.	12.34		12.34		0.03	41.69		514.45
14-15	S. 0° 21' W.	3.47		3.47		0.02	41.64		144.49
		126.58	51.97	51.96	25.96	25.94		1413.72	1856.08
			57.97	51.97	25.95	25.96			1413.72
									442.36
Sec. 20	N. 89° 48' W.	7.47	0.03			7.47	14.67	0.44	22.12 Acres.
7-8	N. 0° 03' E.	13.17	13.17		0.01		7.21	94.96	
8-9	N. 13° 44' W.	15.22	14.78			3.61	3.61	53.39	
9-10	East	5.80			5.80		5.80		
10-11	S. 10° 40' E.	28.49		28.00	5.27		16.87		472.19
		70.15	27.98	28.00	11.08	11.08		148.79	472.19
			27.99	27.99	11.08	11.08			148.79
									323.40
									16.17 Acres.

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