

**ORIGINAL**

193

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAR 15 1920  
MAY 2 1918  
JUN 11 1918

APR 11 1920

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 377

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 17 , - surveyed, Township 21 N., Range 8 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing	Robert J. Kidd,		
Residence	Flagstaff, Arizona		
Application No. 152	, dated	March 11	, 1910
Application No. 399	, dated	January 18	, 1913
List No. 3-1449	, dated	October 7	, 1911
List No. 3-2457	, dated	April 10	, 1913

Applicant for survey	Robert J. Kidd,		
Residence	Flagstaff, Arizona		
H. E. No. 018407	, dated	June 29	, 1912
Add'l. H. E. No. 027029	, dated	March 22	, 1915
Office			
Land District	Phoenix, Arizona		

Survey executed by	Charles D. Hodson, Surveyor - draftsman		
	and A. W. Hendrix, Surveyor - Draftsman, Forest Service, [Forest Service Title.]		
Under special instructions dated	July 9	, 1915	
Survey commenced	June 23	, 1916	
Survey completed	June 5.	, 1919	
Under Acts of	June 11, 1906 and March 4, 1915. and Oct. 1, 1918.		

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OATH OF ASSISTANTS

We hereby certify that we assisted **Charles D. Hodson,**  
**Surveyor - Draftsman** in surveying all those  
[Forest Service Title.] parts or portions of Homestead Entry Survey No. **377**, 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.

*Ferry D. Lewis, Chairman*  
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Subscribed and sworn to before me this **30th** day of **June**, 1916.

*Charles D. Hodson*  
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**Surveyor - Draftsman**

OATH OF SURVEYOR

I, **Charles D. Hodson,** **Surveyor - Draftsman**  
[Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions 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 Lists No. 3-1449 and 3-2457, dated October 7, 1911 and April 10, 1913, and a tract of land upon the application of Robert J. Kidd,

Application, No. 152, dated **March 11**, 1910, for **Patent**, under the Act of **June 11**, 1906, the same to be known as Homestead Entry Survey No. **377**, situated within the **COCONINO** National Forest, in - surveyed Section **17**, Township **21 N.**, Range **8 E.**, and - surveyed Section - - - - , Township - - - - , Range - - - - ,

of the **G. and S. R. B. 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.

*Charles D. Hodson*  
-----  
**Surveyor - Draftsman**  
[Forest Service Title.]

Subscribed and sworn to before me this **26<sup>th</sup>** day of **February**, 1917.

*Elsie C. Myers*  
-----  
*Johny Public*  
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8-2349

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U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO.

SITUATED IN THE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section , surveyed, Township , Range

of the

Meridian.

State of

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Land Office

Survey executed by

[Forest Service Title]

Under special instructions dated , 19

Survey commenced , 19

Survey completed , 19

Under Acts of

[OVER]

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OATH OF ASSISTANTS

We hereby certify that we assisted **A. W. Hendrix,**  
**Surveyor - Draftsman, Forest Service,** in surveying all those  
 [Forest Service Title.]  
 parts or portions of Homestead Entry Survey No. **377**, 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.

*Donald E. Harbison*  
 \_\_\_\_\_  
 Chairman

Subscribed and sworn to before me this **30th** day of

**June**, 19 **16**

*aw hendrix*

Surveyor-Draftsman, Forest Service

OATH OF SURVEYOR

I, **A. W. Hendrix, Surveyor - Draftsman, Forest Service,**  
 [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**, 19 **15**, 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 Lists No. 3-1449 and 3-2457, dated October 7, 1911, and  
 April 10, 1913, and a tract of land upon the application of Robert J. Kidd,

Application, No. **152**, dated **March 11**, 19 **10**, for  
**Listing and Patent**, under the Act of **June 11**, 19 **06**,  
 the same to be known as Homestead Entry Survey No. **377**,  
 situated within the **COCONINO** National Forest, in  
 --surveyed Section **17**, Township **21 N.**, Range **8 E.**, and  
 surveyed Section **00--**, Township **---**, 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  
 survey.

*aw hendrix*  
 \_\_\_\_\_  
 Surveyor-Draftsman, Forest Service  
 [Forest Service Title.]

Subscribed and sworn to before me this **21<sup>st</sup>** day of

*Feb*, 19 **20**



*Raymond* *Sam. R. Holdeman*  
*Notary Public*  
 \_\_\_\_\_  
 Notary Public



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Robert J. Kidd; Applications No. 152 and 399, dated March 11, 1910 and January 18, 1913; Lists No. 3-1449 and 3-2457, dated October 7, 1911 and April 10, 1913; H. E. 018407 and 027029, made in the Phoenix Land Office on June 29, 1912 and March 22, 1915 by Robert J. Kidd.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 018407. Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915, and designated as Homestead Entry Survey No. 377.

Situated in Sec. 17, T. 21 N., R. 8 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona. Surveyed under the Acts of June 11, 1906, March 4, 1915 and October 1, 1918.

Survey commenced June 23, 1916 and executed with a Buff and Buff transit No. 9700-6, 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.

June 23, 1916.  
At 10h 00m, 30s p.m., l.m.t., at the 1/4 cor. bet. secs. 17 and 18, hereinafter described, I observe Polaris with telescope direct. The reading on the reference

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COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains object, a nail in a fence post 10.00 chs. Northerly of  
my station, is set at zero. My watch is set for local  
mean time. Horizontal angle to star, Right  $0^{\circ} 53'$ .  
Lat.  $35^{\circ} 12' 06''$  N., Long.  $111^{\circ} 34' 32''$  W., from  
Forest Service Base Map.

Greenwich m.t. U.C. Pol., June 24, 1916, 7h. 21m. a.m.

Correction for Long., 01.2m

l.m.t. U.C. Pol., June 24, 1916, 7h. 19.8m. a.m.

l.m.t. obsn., June 23, 1916, 10h 00.5m p.m.

12h. - 10h. 00.5m - 1h. 59.5m

Hour angle and time argument, 9h. 19.3m.

Azimuth of Polaris at obsn.,  $0^{\circ} 53' 12''$  E.

Horizontal angle  $0^{\circ} 53' 00''$

Bearing of reference object, N.  $0^{\circ} 00' 12''$  E.

At 10h. 04m. 06s. p.m., l.m.t., at same station, I  
again observe Pol. with telescope reversed.

Horizontal angle to star, Right  $0^{\circ} 53' 30''$ .

l.m.t. U. C. Pol., June 24, 1916, 7h. 19.8m. a.m.

l.m.t. obsn. June 23, 1916, 10h 04.1m

12h. - 10h. 04.1m. - 1h. 55.9m.

Hour angle and time argument, 9h. 15.7m.

Azimuth of Polaris at obsn.,  $0^{\circ} 54' 12''$  E.

Horizontal angle,  $0^{\circ} 53' 30''$

Bearing of reference object, N.  $0^{\circ} 00' 42''$  E.

Mean of two obsns., N.  $0^{\circ} 00' 27''$  E., and to the corres-  
ponding meridian, all the courses of this survey are  
referred.

RETRACEMENT

Beginning at the 1/4 cor. bet. secs. 17 and 18, which  
has been destroyed, I run N.  $6^{\circ}$  W., 256 lks. from a  
pine 18 ins. dia. and N.  $29^{\circ} 30'$  E., 174 lks. dist.  
from the stump of a pine 16 ins. dia., to an intersec-

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains tion for point of restoration of 1/4 cor. Each witness tree marked as described by the Surveyor General. At this point for 1/4 cor. I deposit a sandstone 6 x 6 x 2 ins., 18 ins. in the ground, over which set a sandstone 24 x 12 x 12 ins., chiseled 1/4 S on W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., whence:

A pine 24 ins. dia., blazed and scribed 1/4 S 18 B T, bears S. 27° 30' W., 88 lks. dist.

Stump of a pine tree 16 ins. dia., blazed and scribed 1/4 S 18 B T, bears S. 29° 30' W., 74 lks. dist. (Old bearing tree)

A pine 18 ins. dia., blazed and scribed 1/4 S 17 B T, bears S. 6° E., 256 lks. dist. (Old bearing tree).

Thence East.

On a random latitudinal 1/4 sec. line through sec. 17, Fall 150 lks. North of the 1/4 cor. bet. secs. 16 and 17, a post 3 x 3 x 18 ins. above ground, marked and witnessed as described by the Surveyor General. This corner being in poor condition I destroy all trace thereof and deposit a limestone 3 x 3 x 1 ins. marked with a cross, 6 ins. in the ground, over which I set a limestone 24 x 10 x 6 ins., chiseled 1/4 S on W. face; surround cor. with a mound of stone 3 ft. base, 1 ft. high; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., Return course N. 88° 55' W., 79.57 chs.

Beginning at the cor. to secs. 16, 17, 20 and 21, a limestone 8 x 6 x 10 ins. above ground, marked with 3 notches on S. and 4 notches on E. edges, and witnessed as described by the Surveyor General.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Thence West.

On a random line bet. secs. 17 and 20.

40.14

Run 9 lks. S. of the point for 1/4 cor. bet. Secs. 17

and 20, which point I establish by running to an inter-

section N. 50° E., 68 lks. dist. from a pine 20 ins.

dia., and S. 79° E., 83 lks. dist. from a pine 24 ins.

dia., each tree blazed and marked as described by the

Surveyor General. At point for 1/4 cor. deposit a

limestone 4 x 4 x 1 ins. marked with a cross, 6 ins.

in the ground, over which set a limestone 24 x 16 x 4

ins., chiseled 1/4 on N. face; surround cor. with a

mound of stone 3 ft. base, 1 ft. high; and raise a

mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.,

Return course S. 89° 52' E., 40.14 chs.

Witness my hand and seal this 23rd day of June, 1916.

Charles D. Hodson, Surveyor - Draftsman, Forest Service,

June 4, 1919.

In accordance with letter from the Surveyor General

dated June 14, 1918, I, A. W. Hendrix, Surveyor -

Draftsman, Forest Service, together with Donald E.

Harbison, Assistant, returns to this claim for the pur-

pose of making necessary retracements of the remaining

boundaries of Sec. 17, T. 21 N., R. 8 E.

The retracement was executed with a Buif. and Buif trans-

mit No. 10530, equipped with Smith solar attachment.

I test the adjustments of the transit and make necessary

corrections.

All distances are horizontal and were reduced from meas-

urements made directly on the slope with a 400 link

steel tape. The slope angles were determined with a

clinometer.

Witness my hand and seal this 4th day of June, 1919.

Surveyor General



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains I observe the altitude of the sun for azimuth at the cor. of Secs. 16, 17, 20 and 21, T. 21 N., R. 8 E., heretofore described. The reading on the reference object was set at zero, and the sun was observed in the upper left and lower right quadrants of the field. My watch is set for local mean time. Latitude  $35^{\circ} 11' 44''$  N., Long.  $111^{\circ} 33' 30''$  W. from Forest Service Base Map.

	Telescope	a.m.	Horizontal Angle	Vertical Angle
Direct	8h 19m 20s	R $89^{\circ} 47'$	$40^{\circ} 39'$	
Reversed	8h 21m 20s	R $90^{\circ} 08'$	$41^{\circ} 40'$	

Bearing of reference object, N.  $0^{\circ} 04' 16''$  W.

To the meridian thus determined all courses of the survey are referred by sustained angulation.

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Beginning at the cor. of secs. 16, 17, 20 and 21, heretofore described,

Thence North,

Retracing line bet. secs. 16 and 17, S/2.

40.18 Fall 19 lks. east of 1/4 cor., heretofore described.

True line is N.  $0^{\circ} 16'$  W., 40.18 chs.

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Thence North,

Retracing line bet. secs. 16 and 17, N/2.

38.99 Fall 25 lks. East of cor. of secs. 8, 9, 16 and 17,

which is an old post, set in mound of stone, marked and witnessed as described by Surveyor General.

Post is badly decayed. I therefore destroy all trace

of same and in its place set a sandstone 7 x 12 x 26 ins.

ins. 18 ins. in the ground, marked with 4 notches on

East and South faces.

True line is N.  $0^{\circ} 22'$  W., 38.99 chs.

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COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Thence N. 89° 54' W. (Record course, S. 89° 52' W.)

On random line bet. secs. 8 and 17.

40.00 After careful search, find no trace of 1/4 cor. bet.

secs. 8 and 17.

80.00 After careful search find no traces of cor. to secs. 7,

8, 17 and 18.

119.90 Fall 189 lks. S. 0° 16' W. of 1/4 cor. bet. secs. 7 and

18, which is an old post marked and witnessed as de-

scribed by the Surveyor General. Post is badly de-

cayed. I therefore destroy all trace of same and in

its place set a limestone 6 x 10 x 22 ins. mkd. 1/4 on

N. face.

Thence S. 89° 00' E.

On a true line from 1/4 cor. bet. secs. 7 and 18, and cor. to secs. 8, 9, 16 and 17.

39.91 Proportionate point for cor. to secs. 7, 8, 17 and 18,

on latitudinal line determined by the following propor-

tion, 120.18 : 119.92 :: 40.00 : x = 39.91. Set temp.

stake.

119.92 Cor. to secs. 8, 9, 16 and 17, heretofore described.

Return to 1/4 cor. bet. secs. 17 and 18, heretofore de-

scribed. Thence North,

On a random line bet. Secs. 17 and 18.

40.00 Again make careful search for cor. to secs. 7, 8, 17 and

18, and find no evidence of same.

80.44 Fall 87 lks. East of 1/4 cor. bet. secs. 7 and 8, which

is a sandstone 6 x 12 x 20 ins., set in mound of stone

marked and witnessed as described by the Surveyor Gen-

eral.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Thence S.  $0^{\circ} 37' E.$   
On a true line bet. secs. 7 and 8, S/2.

40.22 Proportionate point for cor. to secs. 7, 8, 17 and 18,  
on meridional line, determined by the following propor-  
tion.  
 $80.00 : 80.44 :: 40.00 : x = 40.22$   
Set temp. stake.

80.44 1/4 cor. bet. secs. 17 and 18, heretofore described.

Return to proportionate point for cor. to secs. 7, 8,  
17 and 18, set on meridional line run West 21 lks. and  
set stake. Then I run North from the proportionate  
point for cor. to secs. 7, 8, 17 and 18, set on latitud-  
inal line, and at 116 lks. intersect the stake set  
West 21 lks. from proportionate point on meridional  
line, which determines point for cor. to secs. 7, 8, 17  
and 18, which I reestablish as follows:

Set a malpais stone 8 x 10 x 24 ins. in mound of stone  
3 ft. base, 1-1/2 ft. high, mkd. with 5 notches on E.  
and 4 notches on S. faces, raise a mound of stone 2 ft.  
base, 1-1/2 ft. high, West of cor., whence:

A pine 14 ins. dia., mkd. T 21 N R 8 E S  
8 B T, bears N.  $46^{\circ} 30' E.$ , 272 lks. dist.

A pine 24 ins. dia., mkd. T 21 N R 8 E S 17 B T  
bears S.  $71^{\circ} 00' E.$ , 384 lks. dist.

No other witnesses available. Pits impracticable.

1/4 cor. bet. secs. 7 and 18, heretofore described,  
bears S.  $89^{\circ} 20' W.$ , 39.90 chs. dist.

1/4 cor. bet. secs. 7 and 8, heretofore described,  
bears N.  $0^{\circ} 20' W.$ , 40.22 chs. dist.

Cor. to Secs. 8, 9, 16 and 17, heretofore described,  
bears S.  $88^{\circ} 10' E.$ , 80.04 chs. dist.

1/4 cor. bet. secs. 17 and 18, heretofore described,

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

bears S. 0° 55' E., 40.22 chs. dist.

Set on June 4, 1919.

June 5, 1919.

Return to cor. of Secs. 7, 8, 17 and 18, heretofore described.

Thence S. 88° 10' E.

On a true line bet. secs. 8 and 17, W/2.

40.02 Proportionate point for 1/4 cor.

Set a limestone 8 x 10 x 20 ins., on solid rock, in mound of stone 3 ft. base, 1-1/2 ft. high, marked 1/4 on N. face, whence:

A. pine 24 ins. dia., blazed and scribed

1/4 S 17 B T, bears S. 0° 45' E.,

114 lks. dist.

A pine 18 ins. dia., blazed and scribed

1/4 S 18 B T, bears N. 46° 15' E.,

60 lks. dist.

Return to 1/4 cor. bet. secs. 17 and 18, heretofore described.

Thence South,

Retracing a line bet. Secs. 17 and 18, S/2.

41.63 Fall 46 lks. East of cor. of Secs. 17, 18, 19 and 20, which is a post 3 ins. sq., 3 ft. above ground, in

small mound of stone, marked and witnessed as described

by the Surveyor General. Post is badly decayed. I therefore destroy all trace of same and in its place

set a limestone 10 x 12 x 20 ins., in mound of stone 3 ft. base, 1-1/2 ft. high, chiseled 5 notches on East

and 3 notches on S. faces in mound of stone.

True line is S. 0° 38' W., 41.63 chs.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Thence N. 89° 53' E. (Record course N. 89° 54' E.)

On random line bet. secs. 17 and 20, W/2.

40.06 Intersect 1/4 cor. bet. secs. 17 and 20, heretofore de-  
scribed.

True line is N. 89° 53' E., 40.06 chs.

June 5, 1919.

A. W. Hendrix, Surveyor - Draftsman, Forest Service,

Charles D. Hodson, Surveyor - Draftsman, Forest Service,  
June 24, 1916.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1 and C. C. on line bet. secs.

17 and 20.

Deposit a sandstone 6 x 6 x 2 ins. marked with a cross,

18 ins. in the ground, over which set a sandstone 28 x

16 x 8 ins., chiseled for the point, H E S 377 on

WNW. face and C C on NNW. side facing closing line; and

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

closing line N. 20° 01' W. of cor., whence:

A pine 10 ins. dia., blazed and scribed

H E S 377 + B T, bears N. 18° 23' E.,

198 lks. dist.

A pine 10 ins. dia., blazed and scribed

H E S 377 + B T, bears S. 84° 27' E.,

169 lks. dist.

Cor. secs. 16, 17, 20 and 21, heretofore

described, bears S. 89° 52' E., 3.70 chs.

1/4 cor. bet. secs. 17 and 20, heretofore

described, bears N. 89° 52' W., 36.44

chs. dist.

Cor. No. 1 and C. C. of H. E. S. No. 378,

a limestone 8 x 4 x 10 ins. above ground,

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains marked with a cross on top, 1' - H.E.S. 378 on SE. face and C.C. on S. face, bears S. 46° 51' E., 5.09 chs. dist. Lat. 35° 11' 44" N., Long. 111° 33' 30" W., from Forest Service Base, Map Mag. decl. at 9h. 00m. a.m., l.m.t., 14° 48' E. Mean mag. decl. 14° 45.1' E. Thence N. 89° 52' W.

Over gentle N. slope, along line bet. secs. 17 and 20, over unlisted land.

0.05 Fence, bears N. 24° 30' W. and S. 24° 30' E. Enter cultivated land, bears NNW. and SSE.

4.65 Point for cor. H-4 falls in cultivated field and has been destroyed. Point for cor. H-4 was determined by running due South 12.75 chs. from Cor. H-3, hereinafter described to point of intersection with sec. line. Leave unlisted and enter listed land.

20.00 Leave cultivated land, bears N. and S.

26.65 To Cor. No. 2 and C.C. on line bet. secs. 17 and 20. Identical with cor. H-5 of the list survey, a limestone 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 6 x 4 x 4 ins. marked with a cross, 16 ins. in the ground, over which set a limestone 26 x 16 x 4 ins., marked cross for point, H.E.S. 377 on NE. face and C.C. on NNW. side facing closing line; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, on closing line N. 28° 56' W. of cor., whence:

A pine 20 ins. dia., blazed and scribed H.E.S. 377 + B.T., bears N. 46° 53' E., 177 lks. dist.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

A pine 30 ins. dia., blazed and scribed  
 Bed 2 H E S 377 + B, T, bears S. 10° 08' W.,  
 122 lks. dist.  
 Cor. secs. 16, 17, 20 and 21, heretofore  
 described, bears S. 89° 52' E., 30.35  
 chs. dist.  
 1/4 cor. bet. secs. 17 and 20, heretofore  
 described, bears N. 89° 52' W., 9.79  
 chs. dist.  
 Fence cor., from which fences bear E. and  
 N., bears S. 86° 05' W., 3.07 chs,  
 dist.

Thence N. 28° 56' W.

Descend 10 ft. over gentle N. slope, approximately  
 5.00 chs. E. of foot of NE. slope of low ridge.

- 5.25 Fence, bears N. and S.
- 13.65 Fence, bears E. and W.
- 22.63 Fence cor., fences bear S. and WNW.
- 45.84 Fence, bears E. and W.
- 46.24 Road, bears E. and W.
- 46.55 Fence, bears E. and W.
- 46.96 To Cor. No. 3.

On latitudinal 1/4 sec. line, Sec. 17, T. 21 N.,

R. 8 E,

Identical with cor. H-6 of the list survey, a lime-  
 stone 12 x 4 x 6 ins. above ground, marked and wit-  
 nessed as described by the Forest Service. I de-  
 stroy all trace of this list cor. Deposit a  
 limestone 4 x 4 x 2 ins. marked with a cross, 14 ins.  
 in the ground, over which set a limestone 24 x 18 x 6  
 ins., chiseled cross for the point and 3 - H E S 377  
 on ESE. face; and raise a mound of stone ESE. of cor.,

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

whence: from the center of the ...

A pine 24 ins. dia., blazed and scribed  
 3 H E S 377 + B T; bears S. 75° 45' W.,  
 166 lks. dist.

1/4 cor. bet. secs. 16 and 17, hereto-  
 fore described, bears S. 88° 55' E.,  
 52.96 chs.

1/4 cor. bet. secs. 17 and 18, hereto-  
 fore described, bears N. 88° 55' W.,  
 26.61 chs. dist.

S. edge of bottomless pit, 2.00 chs. dia.,  
 40 ft. deep, bears N. 33° 30' W.,  
 4.70 chs. dist.

Thence S. 88° 55' E.

Along latitudinal 1/4 sec. line. Overcultivated land.

11.00 Fence bears E. and W.

11.48 To Cor. No. 4.

Identical with cor. H-1 of the list survey, a lime-  
 stone 8 x 6 x 8 ins. above ground, marked and wit-  
 nessed as described by the Forest Service. I destroy  
 all trace of this list cor. Deposit a limestone 6 x  
 3 x 2 ins., marked with a cross, 16 ins. in the ground,  
 over which set a limestone 26 x 8 x 4 ins., chiseled  
 cross for the point and 4 - H E S 377 on SSW. face;  
 and raise a mound of stone 2 ft. base, 1-1/2 ft. high,  
 SSW. of cor., whence:

A pine 18 ins. dia., blazed and scribed

4 H E S 377 + B T, bears N. 38° 41' E.,

243 lks. dist.

A pine 18 ins. dia., blazed and scribed

4 H E S 377 + B T, bears N. 80° 56' E.,



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

343 lks. dist.

1/4 cor. bet. secs. 17 and 18, heretofore

described, bears N. 88° 55' W., 38.09

chs. dist.

1/4 cor. bet. secs. 16 and 17, heretofore

described bears S. 88° 55' E., 41.48

chs. dist.

Fence cor. bears N., 2 lks. Fences bear

North and E. and W.

Thence S. 30° 49' E.

Over level ground.

0.30 Road bears W. and E., 30 lks., thence N. and SE.

0.65 Fence cor., fences bear W. and S. 31° 30' E.

11.81 To Cor. No. 5.

Identical with cor. H-2 of the list survey, a limestone 6 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 6 x 6 x 4 ins. marked with a cross, 20 ins. in the ground, over which set a sandstone 30 x 12 x 6 ins., chiseled cross for the point and 5 - H E S 377 on SW. face; and raise a mound of stone SW. of cor., whence:

A pine 36 ins. dia., blazed and scribed

5 H E S 377 + B T, bears N. 9° 31' W.,

294 lks. dist.

A pine 26 ins. dia., blazed and scribed

5 H E S 377 + B T, bears N. 60° 17' E.,

173 lks. dist.

Fence cor. bears NE., 3 lks. dist. Fences

bear NNW. and SE.

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STATE OF ARIZONA

Chains

Thence S. 56° 25' E.

Asc. 5 ft. over gentle W. slope.

10.00

Fence cor., fences bear NW. along line and ESE.

Enter cultivated land, bears ESE. and WNW.

29.94

Fence bears N. 34° W. and S. 34° E. Leave cultivated land.

30.35

Road, bears N. 34° W. and S. 34° E.

32.64

To Cor. No. 6.

Identical with cor. H-3 of the list survey, a limestone 18 x 12 x 4 ins., surrounded by a mound of stone, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor. Deposit a limestone 4 x 4 x 4 ins. marked with a cross, 22 ins. in the ground, over which set a limestone 32 x 14 x 4

ins., chiseled cross for the point and 6 - H E S 377 on SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., whence:

A pine, 32 ins. dia., blazed and scribed 6 H E S 377 + B T, bears N. 48° 50' E., 15 lks. dist.

A pine 30 ins. dia., blazed and scribed 6 H E S 377 + B T, bears S. 60° 24' E., 30 lks. dist.

Fence cor. bears N. 40° 37' W., 9.77 chs. dist.; fences bear WNW. and SE.

Angle in fence bears N. 83° 50' W., 138 lks. dist.; fences bear NW. and SSE.

TACOCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains	Thence S. 20° 01' E.	Chains
	Over unlisted land.	
6.00	Road bears SSE. and NNW.	
	Asc. 5 ft. over gentle NW. slope.	
13.58	To Cor. No. 1, and place of beginning.	

AREA

Area of listed land - - - - -	80.57 A.
Area of unlisted land - - - - -	3.56 A.
<u>Total Area - - - - -</u>	<u>84.13 A.</u>

IMPROVEMENTS

The improvements made upon this claim consist of the following:

Approximately 2 miles of wire fence, following the general outlines of the claim,

Value - - - - - \$ 400.00

A frame house 26 x 14 ft., the long side extending E. and W. and the NW. cor. of which bears from the 1/4 cor. bet. secs. 17 and 18, S. 88° 55' E., 13.00 chs. dist.

Value - - - - - \$ 200.00

A frame house, 20 x 12 ft., the long side extending E. and W., and the NW. cor. of which bears from the 1/4 cor. bet. secs. 17 and 18, S. 88° 55' E., 13.50 chs. dist.

Value - - - - - \$ 200.00

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

DESCRIPTION

This claim is situated in a long narrow draw, sloping NW.

The soil is a dark loam and produces fair crops.

There is no timber on the claim.

Water for domestic purposes is hauled from Cliffs, Arizona, approximately 2 miles North of the claim.

I saw no indications of mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. This survey is joined on the North by the legal subdivisional portion of the claimant's entry, more fully described as follows: SW/4 NW/4, W/2 SE/4 NW/4, W/2 SE/4 SE/4 NW/4 and N/2 NW/4 NW/4 SW/4, SW/4 NW/4 NW/4 SW/4, all in Section 17. Section 20, which adjoins this claim on the South is the property of the University of Arizona. H. E. S. No. 378 lies Southeast of this claim, 5.00 chs. dist. Flagstaff, Arizona, the nearest railroad and market point, lies in a Northwesterly direction, and is reached by 5 miles of good wagon road. Cliffs, Arizona, the nearest post office, lies in a North-erly direction and is reached by 2 miles of good wagon road.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 89° 52' W.	26.65	0.06			26.65
2-3	N. 28° 56' W.	46.96	41.10			22.72
3-4	S. 88° 55' E.	11.48		0.22	11.48	
4-5	S. 30° 49' E.	11.81		10.14	6.05	
5-6	S. 56° 25' E.	32.64		18.05	27.19	
6-1	S. 20° 01' E.	13.58		12.76	4.65	
		143.12	41.16	41.17	49.37	49.37
Error in Lat. and Dep.				.01	.00	

Closing error, 1:14312.

Survey completed June 5, 1919.

Note: The road exceptions along the W. bdy. of the SW/4 NW/4, Sec. 17 and also along the N. bdy. of metes and bounds portion - List 3-1449 - have been released, since they are no longer required by the Forest Service for the protection of Government interests.

*Charles D. Hobson*

Surveyor - Draftsman  
Forest Service,

*C. W. Judson*

Surveyor-Draftsman, Forest Service,

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HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

Chains

Course	Dist.	U	S	E	W
1-2	N. 09° 53' W.	38.65	0.00		
2-3	T. 88° 58' W.	48.96	41.10		
3-4	S. 68° 15' E.	11.48		0.22	11.48
4-5	S. 50° 49' E.	11.81		10.14	6.98
5-6	S. 50° 28' E.	38.44		18.08	27.12
6-1	S. 80° 01' E.	18.84		22.78	4.66
Total		188.32	41.10	47.17	45.24
Error in Dist. and Bearings			0.01		

Closing error, 1:14311.

Survey completed June 2, 1919.

Note: The road exception along the N. boundary of the NW 1/4 Sec. 17 and also along the E. div. of water and ponds portion - List 3-1449 - have been released since they are no longer required by the Forest Service for the protection of Government interests.

Surveyor - DISTRICT FOREST OFFICE

Surveyor - DISTRICT FOREST OFFICE

HOMESTEAD ENTRY SURVEY NO. 377

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Direct Solar at Cor. of Secs. 16, 17, 20 and 21, T. 21 N.  
R. 8 E. June 4, 1919.

Lat. 35° 11' 44" N., Long. 111° 33' 30" W. from Forest  
Service Base Map.

Elevation approximately 7000 ft.

Telescope	l.m.t. a.m.	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	8h.19m.20s.	89°47'	40°39'	2+
Reversed	8h.21m.20s.	90°08'	41°40'	+
Mean	8h.20m.20s.	89°57'30"	41°09'30"	
		Refraction	- 52"	
		Parallax	+ 07"	
			<u>41°08'45"</u>	

Declination 22° 21' 42" N.

$$\text{Cos. } Q. = \frac{\text{Sin } 22^{\circ} 21' 42''}{\text{Cos. } 35^{\circ} 11' 44'' \times \text{cos. } 41^{\circ} 08' 45''} - \tan 35^{\circ} 11' 44'' \times \tan. 41^{\circ} 08' 45''$$

sin 22° 21' 42" = 9.5802995

cos 35° 11' 44" = 9.9123228

cos 41° 08' 45" = 9.8768165

9.7911602 = log .61824

tan 35° 11' 44" = 9.8483777

tan 41° 08' 45" = 9.9413947

9.7897724 = log .61627

Cos. Q. = .00197

Q. = N. 89° 53' 14" E.

Bearing of reference marks N. 0° 04' 16" W.

Chains.

Direct Solar at Cor. of Secs. 18, 19, 20 and 21, T. 10 S. R. 10 E.

R. S. E. June 4, 1919.

Lat. 35° 11' 44" N., Long. 111° 08' 45" W. from Forest

Service base map.

Elevation approximately 7000 ft.

Telescope I.M.S. Angle 2.11. 2.11. Horizontal Vertical Pos.

Direct 31.19m. 30s. 39° 47' 40" 41° 40'

Reversed 31.19m. 30s. 39° 08' 41° 40'

Mean 31.20m. 30s. 39° 27' 30" 41° 09' 30"

Refraction - 32"

Parallax + 0.7"

41° 08' 45"

Declination 23° 21' 48" N.

Cor. C. =  $\frac{\sin 23^\circ 21' 48''}{\cos 35^\circ 11' 44''} \times \cos 41^\circ 08' 45''$

Cor. 38.11' 44" x cos 41° 08' 45"

x tan. 41° 08' 45"

$\sin 23^\circ 21' 48'' = 0.398293$

$\cos 35^\circ 11' 44'' = 0.815228$

$\cos 41^\circ 08' 45'' = 0.756818$

$0.751102 = \log . 8784$

$\tan 35^\circ 11' 44'' = 0.704877$

$\tan 41^\circ 08' 45'' = 0.861947$

$0.789724 = \log . 6187$

Cor. C. = . 00137

0. = N. 89° 58' 14" E.

Bearing of reference mark N. 0° 04' 18" W.



DIRECTIONS.—1. Carry out calculations 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. I. 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. 377, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.			DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1 - 2	N. 89° 52' W	26.65 ✓	06			26 65 ✓	72 09	4 33		
2 - 3	N. 28° 56' W	46.96 ✓	41 10			22 72 ✓	22 72	934 02		
3 - 4	S. 88° 55' E	11.48 ✓		22	11 48 ✓		11 48		253	
4 - 5	S. 30° 49' E	11.81 ✓		10 14	6 05 ✓		29 01		29416	
5 - 6	S. 56° 25' E	32.64 ✓		18 05	27 19 ✓		62 25		112361	
6 - 1	S. 20° 01' E	13.58 ✓		12 76	4 65 ✓		94 09		120059	
		143.12	41 16	41 17	49 37	49 37		938 35	262089	
			41 17	41 17	49 37	49 37			93835	
	Closing error, 1:14312								20 ) 168254	Acres
									8413	

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FIFT

DIRECTIONS.—1. Carry out calculations two decimals only.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 377, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
TRAVER	SE	AREA					11 48		2 53
	S. 88-55 E.	11.48		22	11 48				
	S. 30-49 E.	11.28		9 69	5 78		28 74	278 50	
	S. 56-25 E.	32.64		18 05	27 19		61 71	1113 25	
	South	12.75	06	12 75			88 90	1133 48	
	N. 89-52 W.	22.00	05				66 90		4 01
	N. 28-56 W.	46.43	63				22 45		9 12 37
		136.58	40 68	40 71	44 45			2527 76	
	Error in Lat. and Dep.		40 68	40 68	44 45			916 38	
	Closing Error, 1:4319		03		01			20/1611 38	
								80 57 Acres.	

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DIRECTIONS.—1. Carry out calculations two decimals only.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 377, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
<i>Sec. Closing</i>	N. 0-16 W.	40.18	40 18			19			
	N. 0-22 W.	38.99	38 99			25			
	N. 88-10 W.	80.04	2 56		80 00				
	S. 0-55 E.	40.22		40 22	64				
	S. 0-38 W.	41.63		41 63		46			
	N. 89-53 E.	40.06	08		40 06				
	S. 89-52 E.	40.14		09	40 14				
		321.26	81 81	81 95	80 84	80 90			
	<i>Closing error</i>	<i>1.2379</i>							
	<i>Closing error</i>	<i>1.2379</i>							

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1920.

The foregoing field notes of Homestead Entry Survey No.

377

executed by *Charles D. Hodson & A. H. Hendrix, Surveyors-Draftsmen*  
[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.

*Frank P. Trott*  
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.