

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

JUL 2 - 1917

HOMESTEAD ENTRY SURVEY NO. 476

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 15 , unsurveyed, Township 17 N., Range 3 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing D. J. O'Shea,

Residence Clarkdale, Arizona

Application No. 293 ✓ , dated December 26 , 1911 ✓

List No. 3-1936 ✓ , dated June 11 , 1912 ✓

Applicant for survey D. J. O'Shea,

Residence Clarkdale, Arizona

H. E. No. 021431 ✓ , dated March 18 , 1913 ✓

Office
Land District Phoenix, Arizona

Survey executed by Charles D. Hodson, Surveyor - Draftsman
[Forest Service Title.]

Under special instructions dated May 17 , 1916

Survey commenced June 3 , 1916

Survey completed June 4 , 1916

Under Acts of June 11, 1906 and March 4, 1915

238

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. **476**, 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.

F. D. Lewis

Chainman

Subscribed and sworn to before me this **30th** day of
June, 1916

Charles D. Hodson

Surveyor - Draftsman

OATH OF SURVEYOR

I, **Charles D. Hodson,** **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
May 17, 1916, 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. **3-1936**, dated **June 11**, 1912, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **476**,
situated within the **COCONINO** National Forest, in
unsurveyed Section 15, Township **17 N.**, Range **3 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 **26th** day of

February, 1917.

Eric C. Myers

Notary Public



8-2349

My Commission expires April 20, 1916.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, D. J. O'Shea; Application No. 293, dated December 26, 1911; List No. 3-1936, dated June 11, 1912; H. E. 021431, made in the Phoenix Land Office on March 18, 1913 by D. J. O'Shea.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 17, 1916 and designated as Homestead Entry Survey No. 476.

Situated in unsurveyed Sec. 15, T. 17 N., R. 3 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona.

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

Survey commenced June 3, 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 3, 1916.

At the 1/4 cor. bet. secs. 15 and 22, hereinafter described, at 7h. 14m. 21s. p.m., l.m.t., I observe Polaris with telescope direct and reverse and mark my line of sight with tacks in a stake set firmly in the ground 10.00 chs. Northward of my Station. My watch is set for standard 105th meridian time, and correction was made for l.m.t. by subtracting 28m. 09s. from watch

time.

Chains Lat. $34^{\circ} 51' 37''$ N., Long. $112^{\circ} 02' 08''$ W., from the special instructions from the Surveyor General.

Position Telescope 1.m.t.

Direct 7h. 13m. 51s.

Reverse 7h. 14m. 51s.

Mean 7h. 14m. 21s.

Greenwich m.t. U.C. Pol., June 3, 1916, 8h. 43.2m.a.m.

Correction for Long., 01.2m.

1.m.t. U.C. Pol., June 3, 1916, 8h. 42.0m.a.m.

12h. - 8h. 42m. = 3h. 18.0m.

1.m.t. obsn., June 3, 1916, 7h. 14m. 21s.

Hour angle and time argument, 10h. 32.35m.

Azimuth of Pol. at mean obsn., $0^{\circ} 30' 18''$ W.

At same station at 7h. 42m. 21s., I again observe Polaris with telescope direct and reverse and mark my lines of sight with tacks in a stake set firmly in the ground 10.00 chs. N. of my station.

Position Telescope 1.m.t.

Direct 7h. 41m. 51s.

Reverse 7h. 42m. 51s.

Mean 7h. 42m. 21s.

1.m.t. U.C. Pol., June 3, 1916, 8h. 42.0m. a.m.

12h. - 8h. 42m. = 3h. 18.0m.

1.m.t. obsn., June 3, 1916, 7h. 42m. 21s.

Hour angle and time argument, 11h. 00.35m.

Azimuth of Pol. at mean obsn., $0^{\circ} 20' 36''$ W.

June 3, 1916.

June 4, 1916.

At 7h. 30m. a.m., 1.m.t., at my station of last night's

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

obsns. I lay off $0^{\circ} 30' 30''$ to the East of the mean of the 1st. obsn. and mark my line of sight with a tack in a stake set firmly in the ground 10.00 chs. N. of my station. I also lay off $0^{\circ} 20' 30''$ to the East of the mean of the 2nd. obsn. and mark my line of sight with a tack which falls $1/2$ in. West of the point determined by 1st. obsn. I mark the mean of these points and from the meridian thus determined all the courses of this survey are deflected.

RETRACEMENT

Beginning at the $1/4$ cor. bet. secs. 15 and 22, a sandstone $8 \times 8 \times 10$ ins. above ground, marked and witnessed as described by the Surveyor General.

Thence East.

On a random line bet. secs. 15 and 22.

40.05 Fall 15 lks. N. of the cor. to secs. 14, 15, 22 and 23, a limestone $5 \times 12 \times 10$ ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. $89^{\circ} 47'$ W. ✓

On a true line.

40.05 The $1/4$ cor. bet. secs. 15 and 22.

Thence West.

On a random line bet. secs. 15 and 22.

40.10 Fall 15 lks. S. of the cor. to secs. 15, 16, 21 and 22, a malpais stone $12 \times 10 \times 6$ ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. $89^{\circ} 47'$ E. ✓

On a true line.

40.10 The $1/4$ cor. bet. secs. 15 and 22.

Chains	BOUNDARIES OF CLAIM
	<p>Beginning at cor. No. 1 and C. C. bet. secs. 15 and 22.</p> <p>Deposit a limestone 4 x 4 x 14 ins. marked with a cross, 12 ins. in the ground, over which set a limestone 18 x 12 x 12 ins. (no longer stone available), chiseled + for the point, 1 - H E S 476 on NW. face and C C on N. face; and raise a mound of stone 3 ft. base, 2 ft. high on closing line N. of cor.</p> <p>No bearings available. Pits impracticable.</p> <p>The 1/4 cor. bet. secs. 15 and 22, heretofore described, bears N. 89° 47' W., 11.01 chs. dist.</p> <p>Cor. to secs. 14, 15, 22 and 23, heretofore described, bears S. 89° 47' E., 29.04 chs. dist.</p> <p>Lat. 34° 51' 37" N., Long. 112° 02' W., from the special instructions from the Surveyor General.</p> <p>Mag. decl. at 8h. 00m. a.m., l.m.t., 15° 15' E. Mean mag. decl., 15° 10.8' E.</p> <p>Thence N. 89° 47' W.</p> <p>Along line bet. secs. 15 and 22. Over flat with gentle slope to S.</p>
11.01	The 1/4 cor. bet. secs. 15 and 22, heretofore described.
12.00	Road bears N. and S.
12.75	Arroyo, 20 lks. wide, 5 ft. deep, course S.
15.45	Arroyo, 10 lks. wide, 5 ft. deep, course S. Asc. 10 ft. over gentle SE. slope.
26.04	<p>To cor. No. 2 and C. C. on line bet. secs. 15 and 22.</p> <p>Deposit a limestone 4 x 3 x 2 ins. marked with a cross, 14 ins. in the ground, over which set a limestone 22 x 12 x 10 ins. (no longer stone available), chiseled + for the point, 2 - H E S 476 on NE. face and C C on N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft.</p>

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains high on closing line N. of cor.
No bearings available. Pits impracticable.
The 1/4 cor. bet. secs. 15 and 22, heretofore described, bears S. 89° 47' E., 15.03 chs. dist.
Cor. to secs. 15, 16, 21 and 22, heretofore described, bears N. 89° 47' W., 25.07 chs. dist.

Thence North.
Asc. 30 ft. over gentle SSE. slope.

0.11 Cor. H-1 of the list survey, a cedar post 2 x 2 x 24 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

61.70 To cor. No. 3.
Identical with cor. H-4 of the list survey, a cedar post 4 x 4 x 24 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 4 x 4 ins. marked with a cross, 14 ins. in the ground, over which set a sandstone 24 x 16 x 5 ins. chiseled cross for the point and 3 - H E S 476 on SE. face. No bearings available, therefore dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high SE. of cor.

Thence East.
Desc. 15 ft. over gentle SE. slope.

25.74 To cor. No. 4.
Identical with cor. H-3 of the list survey, a cedar post 3 x 2 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit broken glass 16 ins. in the

HOMESTEAD ENTRY SURVEY NO. 476

COCONINO NATIONAL FOREST

STATE OF NEW MEXICO

Chains

ground, over which set a sandstone 26 x 16 x 8 ins.,
chiseled cross for the point and 4 - H E S 476 on SW.
face; and raise a mound of stone 2 ft. base, 1-1/2 ft.
high SW. of cor., whence:

A sandstone boulder, 8 x 8 x 6 ft. above ground,
chiseled B R + 4 H E S 476, bears N. 8° 25' E.,
48 lks. dist.

Center of a well casing, 8 ins. dia., chiseled
B O, bears S. 60° 00' W., 67 lks. dist.

No other bearings available. Pits impracticable.

Thence S. 0° 16' E.

Desc. 25 ft. over flat, with gentle S. slope.

5.07 Fence bears E. and W. Enter cultivated land.

22.46 Fence bears N. 10° E. and S. Leave cultivated land.

26.66 Fence cor. bears West, 30 lks. dist. Fences bear W. and
N.

27.00 Road bears NNE. and SW.

27.27 Arroyo, 30 lks. wide, 10 ft. deep, course SW.

45.55 Arroyo, 25 lks. wide, 10 ft. deep, course SW.

61.66 Cor. H-2 of the list survey, a cedar post 3 x 3 x 24 ins.
above ground, marked and witnessed as described by the
Forest Service. I destroy all trace of this list cor.

61.76 To cor. No. 1 and place of beginning.

AREA

Total Area - - - - - 159.82 acres.

IMPROVEMENTS

The improvements made upon this claim consist of the
following:

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

A drilled well, 500 ft. deep, with steel casing 8 ins. dia., the center of which bears from cor. No. 4, S. 60° 00' W., 67 lks. dist.

Value ----- \$3500.00

A 4 Horse Power gas engine, with 2 inch pump and tank 4 ft. dia. x 6 ft. high over the above well.

Value ----- \$ 500.00

A frame house 24 x 12 ft., the long side extending E. and W., the NE. cor. of which bears from cor. No. 4, S. 4° 05' W., 4.45 chs. dist.

Value ----- \$ 350.00

Approximately 1 mile of wire fence.

Value ----- \$150.00

A frame barn, 24 x 10 ft., the long side extending N. and S. and the NW. cor. of which bears from cor. No. 4, S. 21° 10' E., 5.04 chs. dist.

Value ----- \$ - 75.00

DESCRIPTION

This claim is situated at the N. end of what is locally known as Duff Flat.

The soil is a sandy loam, and approximately 25 acres have been cultivated for several years but with poor success. The general slope is to the South, there being a difference of approximately 25 ft. between the two ends.

Water for all purposes is obtained from the well near cor. No. 4. This water rises to within 100 ft. of the surface. Two other wells, sunk by the claimant, one 1100 ft. deep and one 800 ft. deep, each of which struck water at 480 ft. and lost it soon after 500 ft. had been reached, are near cor. No. 4 and within 20 ft. of the well now being used. The total amount expended on these wells is estimated at \$10,000.00.

There is no timber or brush on this claim, and with water

Chains

for irrigation, the entire area could be cultivated.
I saw no indications of mineral upon the claim.

-----CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. The following land, S/2 NE/4 NE/4 NW/4, SE/4 NE/4 NW/4, E/2 SE/4 NW/4, E/2 NE/4 SW/4, NE/4 SE/4 SW/4, N/2 SE/4 SE/4 SW/4, N/2 SW/4 SW/4 SE/4, NW/4 SW/4 SE/4, W/2 NW/4 SE/4, W/2 W/2 NE/4, W/2 E/2 NW/4 NE/4, W/2 NE/4 SW/4 NE/4, Sec. 22, embraced in List No. 3-2006, joins this claim on the South.

Clarkdale, Arizona, the nearest post office, railroad and market point, lies in a Southerly direction, and is reached by 8 miles of fair wagon road.

TRAVERSE.

Cor.	Course	Dist.	N	S	E	W
1-2	N. 89° 47' W.	26.04	0.10			26.04
2-3	North	61.70	61.70			
3-4	East	25.74			25.74	
4-1	S. 0° 16' E.	61.76		61.76	0.29	
		175.24	61.80	61.76	26.03	26.04
			61.76			26.03
Error in Lat. and Dep.			.04			.01

Closing error, 1:4250.

Survey completed June 4, 1916.

Charles D. Hodson

Surveyor - Draftsman

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. 476, STATE OF ARIZONA, COCONINO

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 89° 47' W.	26.04	0 10			26 04	26 04	2 60	
2-3	North	61.70	61 78			0 00	0 00		
3-4	East	25.74		78	25 74	25 74	25 74		
4-1	S. 0° 16' E.	61.76		61 76	0 29	51 78	51 78	3198 97	3198 97
		175.24	61 80	61 76	26 03	26 04	26 04	2 60	3198 97
			61 78	61 78	26 04	26 04	26 04	2 60	3196 37
	Closing error, 1.4250								159 82 Acres.

247

EMH

APPROVAL

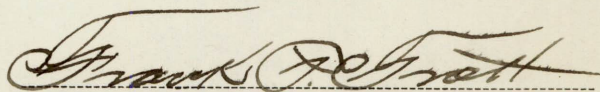
Office of the United States Surveyor General,

Phoenix, Arizona, August 2 , 1917

The foregoing field notes of Homestead Entry Survey No.

476

executed by Charles D. Hodson, Surveyor-Draftsman [Forest Service Title.]
under his special instructions, dated May 17 , 1916, 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.