

HES

0

0

6

3

7

15
DEC 22 1923

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 637

SITUATED IN THE COONINO NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3

In Section 16 ,un- surveyed, Township 14 N. , Range 7 E.
In Section 17 ,un-surveyed, Township 14 N., Range 7 E.
and
Establishment of U.S.L.M. 637 H.E.S.

of the

Gila and Salt River Base and Meridian.

State of
Arizona.

ORIGINAL

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey Thomas F. Myers, Surveyor - Forest Service,

Residence

H. E. No. , dated , 19

Land District

Survey executed by Thomas F. Myers, Surveyor - Forest Service
[Forest Service Title.]

Under special instructions dated May 14 , 19 23

Survey commenced July 30 , 19 23

Survey completed July 31 , 19 23

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

OATH OF ASSISTANTS

We hereby certify that we assisted Thomas F. Myers,
Surveyor - Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. 637, 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.

J. W. Gray
Geowcock

Chairman

Chairman

Subscribed and sworn to before me this 31st day of
July, 1923

Thomas F. Myers

Surveyor - Forest Service.

OATH OF SURVEYOR

I, Thomas F. Myers, Surveyor - 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
May 14, 1923, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land as a basis for listing and patent

, No. , dated , 19 , for
, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 637,
situated within the Coconino National Forest, in
unsurveyed Section 16, Township 14 N., Range 7 E., and
unsurveyed Section 17, Township 14 N., Range 7 E.,

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.

Thomas F. Myers

Surveyor - Forest Service.

[Forest Service Title.]

Subscribed and sworn to before me this 18th day of
December, 1923.

Echel G. Myers

Notary Public.



8-2349

My commission expires April 12, 1925.

HOMESTEAD ENTRY SURVEY NO 637

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

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

Surveyed under special instructions from the Surveyor General for Arizona, dated May 14, 1923, and designated as Homestead Entry Survey No. 637.

Situated in what will probably be when surveyed Secs. 16 and 17, T. 14 N., R. 7 E., Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

Surveyed under the acts of June 11, 1906, and February 26, 1925.

Survey commenced July 30, 1923, and executed with a Buff and Buff transit No. 14631, equipped with Smith solar attachment.

I test the adjustments of the transit and make necessary corrections.

All distances are horizontal and were reduced from the measurements made directly on the slope with a 400 link steel tape, and the slope angles were determined with a clinometer.

July 30, 1923.

At my station near Cor. No. 1 of the survey in Latitude $34^{\circ}36'$ N., Longitude $111^{\circ}36'42''$ W. from Forest Service Base Map, at 6h 16m p.m. l.m.t., I observe Polaris with telescope direct, reading an angle of $3^{\circ}22'30''$ from star to right to a reference mark about 1 mile distant.

Greenwich m.t. U.C. Polaris, July 31, 1923, 5h 03.0m a.m.

Corr. for Long.	1.2
<hr/>	

l.m.t. U. C. Polaris July 31, 1923,	5h 01.8m a.m.
-------------------------------------	---------------

l.m.t. Obsn. Polaris, July 30, 1923,	<u>6h 16m p.m.</u>
--------------------------------------	--------------------

Hour angle	10h 45.8m
------------	-----------

Azimuth of Polaris. $0^{\circ}24.9'$ E.

Bearing of reference mark N. $3^{\circ}47'24''$ E.

HOMESTEAD ENTRY SURVEY NO. 637

COCONINO NATIONAL FOREST

2.

STATE OF ARIZONA

Chains

At same station at 6h 18m 30s p.m. l.m.t., I again observe Polaris with telescope reversed, reading an angle of 3°21' from star to right to same reference mark.

l.m.t. U.C. Polaris, July 31, 1923, 5h 01.8 m a.m.

l.m.t. Obsn. Polaris, July 30, 1923, 6h 18.5 m p.m.

Hour angle 10h 43.3m

Azimuth of Polaris 0°25.7' E.

Bearing of reference mark N. 3°46'42" E.

The bearing of the reference mark as determined from the mean of the two obsns. is N. 3°47'03" E. I accept bearing of reference mark as N. 3°47' E. and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

ESTABLISHMENT OF U. S. L. M. NO. 637 H. E. S.

July 30, 1923.

There being ^{no} corner of the Public Land Survey or U. S. Location Monument to which this survey could be tied, I establish U. S. Location Monument No. 637 HES. as follows:

On top of a cone shaped malpais outcrop, showing about 100 ft. base and 30 ft. high, situated on a rocky ridge bearing N. 12° W. about 1 mile W. of Long Canyon, on top of a flat rock on highest point of outcrop, I chisel + for the point and USLM 637 HES on surface sloping East, and raise a mound of stone 5 ft. base, 4-1/2 ft. high S. 12° E. 5 ft. distant to center mound from point for U.S.L.M., Whence:

A juniper 36 ins. dia. brs. N. 66°07' W.
34.8 lks.

A juniper 22 ins. dia. brs. N. 69°25' E.
190 lks.

A juniper 10 ins. dia. brs. S. 29°47' E.
218 lks.

HOMESTEAD ENTRY SURVEY NO. 637

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Each blazed and scribed USIM 637 HES + BT.
 Lookout Station on Bakers Butte, which is also
 U. S. G. S. Triangulation station, bears
 S. 50°24' E.
 Smokestack at Clarksdale bears N. 64°13' W.
 San Francisco Peak bears N. 4°46' W.
 House Mountain bears N. 51°16' W.
 Kendrick Peak bears N. 14°54' W.
 July 30, 1923.

BOUNDARIES OF CLAIM

July 31, 1923.

Beginning at Cor. No. 1.

Deposit a malpais stone 1x2x3 ins., marked with a + 14
 ins. in the ground, over which set a malpais stone
 20x18x8 ins., no longer stone available, chiseled + for
 the point and 1 HES 637 on W. face; raise a mound of
 stone 2 ft. base 1-1/2 ft. high W. of Cor., whence:

A cedar 8 ins. dia. brs. N. 15°10' W. 465 lks.

A cedar 14 ins. dia. brs. S. 57°43' W. 476 lks.

Each blazed and scribed 1 HES 637 + BT.

U.S.L.M. 637 HES., previously described, bears

N. 81°53' E. 77.89 chs. by direct measurement.

Latitude 34°36'00" N., Longitude 111°36'42" W. from

Forest Service Base Map.

Mag. decl. at 8 a.m. 14°30' E. Mean mag. decl. 14°26' E.

Thence S. 60°10' W.

Over open level land.

.55 Arroyo 15 lks. wide 3 ft. deep, course NW..

7.00 Enter scattering cedar.

14.00 To Cor. No. 2.

Deposit a malpais stone 2x6x6 ins., marked with a + 20
 ins. in the ground, over which set a malpais stone
 26x14x10 ins., chiseled + for the point and 2 HES 637
 on N. face; raise a mound of stone 2 ft. base, 1-1/2

Chains

ft. high N. of Cor., whence:

A cedar 14 ins. dia. brs. N. 89°22' E. 136 lks.

A cedar 14 ins. dia. brs. S. 46°20' E. 92 lks.

Each blazed and scribed 2 HES 637 + BT.

Thence N. 76°00' W.

Over nearly level land through edge of cedar.

43.00

To Cor. No. 3.

Deposit a malpais stone 2x3x6 ins., marked with a + 14

ins. in the ground, over which set a malpais stone

24x10x8 ins., chiseled + for the point and 3 HES 637 on

NE. face; raise a mound of stone 2 ft. base 1-1/2 ft.

high NE. of Cor., whence:

A cedar 10 ins. dia. brs. S. 65°30' E. 237 lks.

A cedar 7 ins. dia. brs. S. 29°45' E. 201 lks.

Each blazed and scribed 3 HES 637 + BT.

Thence N. 1°11' E.

Over gently rolling land through edge of cedar.

37.01

To Cor. No. 4.

Deposit a malpais stone 2x4x6 ins., marked with a + 18

ins. in the ground, over which set a malpais stone

26x12x5 ins., chiseled + for the point and 4 HES 637

on SE. face; raise a mound of stone 2 ft. base 1-1/2

ft. high SE. of Cor., whence:

A cedar 8 ins. dia. brs. S. 9°40' W. 327 lks.

A cedar 13 ins. dia. brs. S. 56°15' W. 109 lks.

Each blazed and scribed 4 HES 637 + BT.

Thence N. 47°26' E.

Over open level land covered with loose rock.

9.06

To Cor. No. 5.

Deposit a malpais stone 2x4x4 ins., marked with a + 18

ins. in the ground, over which set a malpais stone

26x12x10 ins., chiseled + for the point and 5 HES 637

Chains

on S. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high South of Cor., whence:

A cedar 8 ins. dia. brs. S. 43°05' E. 14 lks.

A cedar 6 ins. dia. brs. N. 1°50' E. 356 lks.

Each blazed and scribed 5 HES 637 + BT.

Thence East.

Over open level land covered with loose rock.

6.00

To Cor. No. 6.

Deposit a malpais stone 1x3x3 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 22x10x8 ins., no longer stone available, chiseled + for the point and 6 HES 637 on SW. face; dig pits 18x12x12 ins. crosswise on this and succeeding course, 3 ft. distant, and raise mound of earth 3 ft. base, 2 ft. high SW. of Cor.

No witnesses available.

Thence S. 10°30' E.

Over open level land covered with loose rock.

24.00

To Cor. No. 7.

Deposit a malpais stone 1x3x3 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 24x12x6 ins., chiseled + for the point and 7 HES 637 on SW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor., whence:

A cedar 10 ins. dia. brs. N. 6°25' E. 403 lks.

A juniper 40 ins. dia. brs. N. 68°10' E. 489 lks.

Each blazed and scribed 7 HES 637 + BT.

Thence S. 83°30' E.

Over open level land.

3.80

Rocky outcrop 2 to 5 ft. high bears S. Thence across level land.

8.50

Begin gradual descent over gentle E. slope.

COCONINO NATIONAL FOREST

6.

STATE OF ARIZONA

Chains
26.00

To Cor. No. 8.

Deposit a malpais stone 2x6x6 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 26x10x8 ins., chiseled + for the point and 8 HES 637 on SW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor., whence:

A cedar 8 ins. dia. brs. N. 21°43' W. 501 lks.

Blazed and scribed 8 HES 637 + BT.

No other witnesses available.

Thence S. 27°00' E.

Over open level land.

5.10 Arroyo 5 lks. wide, 2 ft. deep, course WSW.

14.65 Arroyo 10 lks. wide, 2 ft. deep, course NW.

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

AREA

Total Area - - - - - 151.25 acres

IMPROVEMENTS

There were no improvements of any description on the claim at the time of survey.

DESCRIPTION

This claim is comprised mainly of open park mesa land lying about 3 miles northerly of Clear Creek on a wide flat mesa locally known as cedar flat. Approximately 140 acres of the area would be classed as suitable for agricultural purposes. The soil is a clay loam of fair depth. There was but little growth on the area which would indicate that the soil was not very fertile. There was no water on the claim. Water for domestic use would have to be packed from Clear Creek about 3 miles southerly.

Chains

There is no timber of commercial value on the claim.
I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.
Camp Verde, the nearest postoffice and trading point,
lies about 17 miles in a southwesterly direction and
is reached by trail.

Survey completed July 31, 1923.

Thomas J. Myers

Surveyor - Forest Service.

24

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

- 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.

8-2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 637, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
1 - 2	S. 60°10' W.	14.00		6 96		12 14	95 56			665 10		
2 - 3	N. 76°00' W.	43.00	10 40			41 72	41 71	434 20				
3 - 4	N. 1°11' E.	37.01	37 00			76	77	28 50				
4 - 5	N. 47°26' E.	9.06	6 13		6 67		8 21	50 33				
5 - 6	East	6.00			6 00		20 88					
6 - 7	S. 10°30' E.	24.00		23 60	4 37		31 25			737 50		
7 - 8	S. 83°30' E.	25.00		2 94	25 83		61 45			180 66		
8 - 1	S. 27°00' E.	22.50		20 05	10 21		97 49			1954 67		
		181.57	53 53	53 55	53 84	53 86		513 03		3537 93		
				53 53		53 84				513 03		
Error in	Lat. & Dep.			02		02				20/3024 90		
	Closing error	1/6419								151 25	acres	

25

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, Marcy 27, 1924

The foregoing field notes of Homestead Entry Survey No.

637

executed by Thomas F. Myers, Surveyor,

[Forest Service Title.]

under his special instructions, dated May 14, 1923, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles M. Donohoe
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey in the State of Arizona, has been correctly copied from the original notes on file in this office.

Charles M. Donohoe
U. S. Surveyor General.