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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 661

SITUATED IN THE PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 36, Unsurveyed Township 17 N., , Range 5 W.

of the

Gila and Salt River Base and Meridian.

State of Arizona.

State of

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey John Ernst

Residence Simmons, Arizona.

H. E. No. , dated , 19

Land Office Phoenix, Arizona.

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

Under ^{Pro Forma} special instructions dated March 12 , 1931.

Survey commenced February 23, , 1931.

Survey completed February 25, , 1931.

Under Acts of June 11, 1906, and May 27, 1930.

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OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long Regional Engineer, Forest Service in surveying all those parts or portions of Homestead Entry Survey No. 661, 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 District Cadastral Surveyor General for Arizona.

Engineer

E. J. Putsch
Chainman

Lyman C. Kiddoo
Chainman

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

Subscribed and sworn to before me this Twenty-fifth day of February, 1931

C. A. Long
Regional Engineer.

OATH OF SURVEYOR

I, C. A. Long, Regional Engineer [Forest Service Title.] Pro Forma

do solemnly swear that, in strict conformity with the special instructions of the United States District Cadastral Engineer for Arizona, dated March 12, 1931, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land 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. 661, situated within the Prescott National Forest, in un-surveyed Section 36, Township 17 N, Range 5 W, and surveyed Section , Township , Range ,

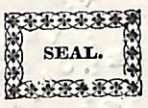
of the Gila and Salt River Base and meridian, Arizona, and the related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated 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.

C. A. Long
Regional Engineer [Forest Service Title.]

Subscribed and sworn to before me this 30th day of March, 1931.

Pusan R. C. Beyer

Notary Public.



8-2349

My Commission Expires: June 20, 1931.

HOMESTEAD ENTRY SURVEY NO. 661

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

An unlisted tract of land surveyed under the Cooperative Plan as a basis for listing and patent.

Surveyed under Pro Forma Special Instructions from the District Cadastral Engineer, Public Survey office, for Arizona, dated March 12, 1931, and designated as Homestead Entry Survey No. 661.

Situated in what will probably be when surveyed, Sec. 36, T. 17 N., R. 5 W., Gila and Salt River Base and Meridian, Prescott National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and May 27, 1930.

Survey commenced February 23, 1931, and executed with a Buff and Buff transit 10802 equipped with a 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.

February 23, 1931.

At Corner No. 1 of H.E.S. 660, at 5 h. 01 m. 00 s. l.m.t., I observe Polaris with telescope direct, reading an angle of 179° 23' 00" from star to left, to Cor. No. 1 of H.E.S. 349, 8.25 chains distant. Latitude 34° 49' 10" N., Longitude 112° 44' 43" W. from a Forest Service Base Map.

L.M.T. of Obsn. Feb. 23, 1931 5h 01m 00s P.M.

G.M.T. U.C. Polaris Feb. 23, 1931, 3h 26m 06s P.M.

Reduction to Long. 112-44-43 - 1 12

3h 24m 54s P.M. 3 h 24m 54s P.M.

Hour angle of Polaris, West : 1h 36m 06s

Azimuth of Polaris 179° 28' 00"

Angle from Star to left 179° 25' 00"

Bearing of Mark S. 00° 05' 00" W.

At the same point at 5 h. 04 m. 00 s. P.M. L.M.T., I again observe Polaris with telescope reversed, reading an angle of 179° 22' 00"

Chains from Star to left to the same reference mark.

L.M.T. of Obsn. Feb. 23, 1931 5h 04m 00s P.M.

G.M.T. U.C. Polaris Feb. 23, 1931, 3h 26m 06s P.M.

Reduction to Long. 112-44-43 - 1 12

3h 24m 54s P.M. 3h 24m 54s P.M.

Hour angle of Polaris, West 1h 39m 06s

Azimuth of Polaris 179° 27' 04"

Angle from Star to left 179° 22' 00"

Bearing of Mark S. 00° 05' 04" W.

The mean of the two observations gives a bearing of S. 00° 05' 02" W. from the reference mark and from the meridian thus determined, all the courses of this survey were deflected.

RETRACEMENTS

February 24, 1931.

Beginning at the Standard 1/4 Sec. Corner on S. boundary Sec. 36, T. 17 N., R. 5 W., a granite stone 6x6x10 ins. above ground, marked and witnessed as described by the Office of Public Surveys. Thence East.

Retracing line along S. boundary Sec. 36.

40.15 Fall ~~XX~~⁸ lks. N. of the Standard Cor. to Township 17 N., Ranges 4 and 5 W., which is a granite stone 6x6x8 ins. above ground, marked and witnessed as described by the Office of Public Surveys.

True Course of this line is S. 89° 53' 00" E. 40.15 chains distant.

From the Standard 1/4 Sec. Corner on S. boundary Sec. 36, T. 17 N., R. 5 W., heretofore described.

Thence West.

Retracing along South boundary of Sec. 36.

9.16 Fall 2.3 lks. S. of the Closing Corner of Secs. 1 and 2, T. 16 N., R. 5 W., which is a malapais stone 5x6x10 ins. above ground, marked and witnessed as described by the Office of Public Surveys.

40.00 Fall ~~XX~~⁸ lks. S. of the Standard Corner to Secs. 35 and 36, T. 17 N.,

HOMESTEAD ENTRY SURVEY NO. 661

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains R. 5 W., which is a malapais stone 14x10x10 ins. above ground; marked and witnessed as described by the Office of Public Surveys. True course of this line is N. 89°53' W. 40.00 chains distant.

BOUNDARIES OF H.E.S. 661

February 25, 1931.

Beginning at Cor. No. 1, which is a + on top of the Closing Cor. between Secs. 1 and 2, T. 16 N., R. 5 E., a malapais stone 5x6x10 ins. above ground, marked and witnessed as described by the Office of Public Surveys. South and alongside of this Corner there is a malapais stone 5x6x12 ins. above ground, marked 1 HES 364 on SE face. I mark the same stone 1 HES 661 on N. face for Corner No. 1 of this survey. Raise mound of stone 3 ft. base, 2 ft. high, North of Cor. Pits impracticable, no witness trees available.

The Std. 1/4 Sec. Cor. on S. Bdy. Sec. 36 T. 17 N., R. 5 W. heretofore described bears S. 89°53' E. 9.16 Ch. Dist.

The std. cor. to secs. 35 and 36 T. 17 N., R. 5 W. heretofore described bears N. 89°53' W. 30.84 Ch. dist.

Latitude 34°49' N., Longitude 112°44'22" W. from Forest Service Base Map.

Magnetic declination at 8 A.M. 15°00' E. Mean magnetic declination 14°59' E.

Thence N. 56°33' W.

Over level land, through scattering juniper.

8.91 To Cor. No. 2.

Deposit a malapais stone 2x3x3 ins., marked with a + 20 ins. in the ground, over which set a malapais stone 14x18x32 ins., marked a + on top and 2 HES 661 on NE face. Dig pits 12x12x24 ins. crosswise on each line and raise mound of earth 3 ft. base, 2 ft. high within the claim.

A hackberry 8 ins. dia., blazed and scribed 2 HES + 661 BT bears S. 09°23' W. 176 lks. distant.

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HOMESTEAD ENTRY SURVEY NO. 661

PRESCOTT NATIONAL FOREST

4.

STATE OF ARIZONA

Chains

Cor. No. 5 HES 660, a malapais stone 5x12x8 ins. above ground, marked as described in the field notes of that survey, bears N. 89°56' W. 100 lks. distant.

Thence N. 0° 04' E.
Parallel to and 100 lks. distant from line 5 - 4 of H.E.S. 660, over open level land.

12.01 To Cor. No. 3.

Deposit a malapais stone 2x4x5 ins., marked with a +, 16 ins. in the ground, over which set a malapais stone 7x12x24 ins., marked a + on top and 3 HES 661 on side facing the claim. Raise mound of stone 3 ft. base, 2 ft. high within the claim, whence:
An ash 16 ins. diameter blazed and scribed 3 HES + 661 BT bears N. 60° 25' W. 271 lks. distant.

Thence S. 57° 40' E.
Over level land through dense scrub juniper.

18.67 To Cor. No. 4.

Deposit a granite stone 3x4x7 ins., marked with a +, 16 ins. in the ground, over which set a malapais stone 7x15x24 ins., marked a + on top and 4 HES 661 on SE face. Raise mound of stone 3 ft. base 2 ft. high SE of Cor.

Whence:

Chains An ash, 18 ins. diameter, blazed and scribed 4 HES 661 BT bears
N. 27° 30' W. 178 lks. distant.

Thence S. 46° 11' E.
Over level land through scattering juniper.

10.11 To Cor. No. 5 and Closing Corner, on S. boundary Sec. 36, T. 17 N.,
R. 5 W.
Deposit a malpais stone 2x6x10 ins., marked with a /, 16 ins. in
the ground, over which set a malpais stone 8x15x24 ins., marked
a / on top, 5 HES 661 on side facing claim and CC on NW. face.
Dig pits 12x12x24 ins. crosswise on line E. and W. and NW. and
raise mound of stone and earth 3 ft. base, 2 ft. high on Closing
line.
The Standard 1/4 Sec. Cor. on S. boundary Sec. 36, T. 17 N., R. 5 W.,
heretofore described, bears N. 89° 53' W. 6.48 chains distant.
The true point for Cor. No. 3 HES 364, which I locate from the
Witness corner for same, bears S. 89° 53' E. 3.39 chains distant.
The Standard Township Corner to T. 17 N., Rs. 4 and 5 W., heretofore
described, bears S. 89° 53' E. 33.67 chains distant.

Thence N. 89° 53' W.
Over open level land along S. boundary Sec. 36, T. 17 N., R. 5 W.

6.48 The Standard 1/4 Sec. Cor. on S. boundary Sec. 36, T. 17 N., R. 5 W.,
heretofore described.

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

AREA

Total Area 19.57 acres

IMPROVEMENTS

There are no improvements on this claim.

DESCRIPTION
southwest

This claim is situated along the /side of Humphreys Wash, an inter-
mittent stream.

Chains

The soil is a deep, sandy loam and all of the area is suitable for farming.

This claim is not in a mineralized zone and no evidence of mineral was seen, on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

This claim is adjoined on the south by H.E.S. 364, occupied by John Ernst, and on the west by H.E.S. 660, being separated therefrom by a roadway strip 100 lks. wide.

Simmons, Arizona, the nearest postoffice, is about 8 miles east and can be reached over a good automobile road.

Prescott, Arizona, the nearest railroad and trading point, is 32 miles in a southeasterly direction.

Survey completed February 25, 1931.


Regional Engineer.

- 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. 661, STATE OF ARIZONA

S-2340

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	N. 56°33' W.	8.91	4 91			7 43	7 43	36 48			
2 - 3	N. 0°04' E.	12.01	12 01		01		01	12			
3 - 4	S. 57°40' E.	18.67		9 99	15 78		15 79		157 58		
4 - 5	S. 46°11' E.	10.11		6 99 7 00	7 30		38 86		271 63		
5 - 1	N. 89°53' W.	15.64	03			15 64	30 51	1 22			
		65.34	16 95	16 99	23 09	23 07		37 82	429 21		
				16 95	23 07				37 82		
				04	02				20/ 391 39 /	19.57 acres	
										19.57	
	Closing error	1/1461									

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1900

NO	DATE	DESCRIPTION	AMOUNT	INITIALS
1	1900
2	1900
3	1900
4	1900
5	1900
6	1900
7	1900	...	...	...
8	1900	...	...	...
9	1900	...	...	...
10	1900	...	...	...
11	1900	...	...	...
12	1900	...	...	...
13	1900	...	...	...
14	1900	...	...	...
15	1900	...	...	...
16	1900	...	...	...
17	1900	...	...	...
18	1900	...	...	...
19	1900	...	...	...
20	1900	...	...	...
21	1900
22	1900
23	1900
24	1900
25	1900
26	1900
27	1900
28	1900
29	1900
30	1900

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1900

APPROVAL

PUBLIC SURVEY OFFICE

~~Office of the United States Surveyor General,~~

Phoenix, Arizona, April 23, 1931

The foregoing field notes of Homestead Entry Survey No.

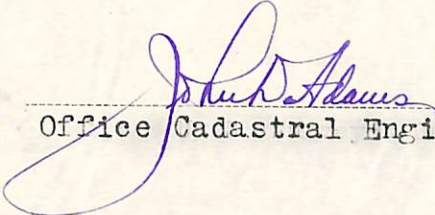
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executed by C. A. Long, Regional Engineer,

[Forest Service Title.]

under his ^{pro forma} special instructions, dated March 12, 1931, having

been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


Office Cadastral Engineer

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

John D. Adams
Office Cadastral Engineer