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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 660

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 Lester L. Johnson

Residence Prescott, 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, , 19 31

Survey commenced February 23 , 19 31

Survey completed February 25 , 19 31

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



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. 660, 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 District Cadastral Engineer, Public Survey Office, Arizona.

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.

Signature of S. J. Putsch, Chairman. Signature of Lyman C. Kiddos, Chairman.

Subscribed and sworn to before me this Twenty-fifth day of February, 1931. Signature of C. A. Long, Regional Engineer.

OATH OF SURVEYOR

I, C. A. Long, Regional Engineer do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for District Cadastral Engineer, Public Survey Office, 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. 660, 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 & 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.

Signature of C. A. Long, Regional Engineer.

Subscribed and sworn to before me this 26th day of March, 1931.



MY COMMISSION EXPIRES JUNE 20, 1931

Signature of Susan R. C. Beyer, Notary Public.

My commission expires: June 20, 1931.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

1.

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. 660.

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 what will be Cor. No. 1 of the survey, hereinafter described, at 5 h. 01 m. 00 s. p.m. 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. 5 h. 01 m. 00 s. P.M.

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

Reduction to Long. 112°44'43" - 1 12

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

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

Hour Angle of Polaris, West 1 h. 36 m. 06 s.

Azimuth of Polaris 179°28'00"

Angle from Star to left 179°23'00"

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" from Star to left to the same reference mark.

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HOMESTEAD ENTRY SURVEY NO. 660

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

2.5

Chains L.M.T. of Obsn. Feb. 23, 1931 5 h 04 m 00 s P.M.
 G.M.T. U.C. Polaris Feb. 23, 1931, 3 h 26 m 06 s P.M.
 Reduction to Long. $112^{\circ}44'43''$ - 1 m 12
 3 h 24 m 54 s P.M.
 3h 24 m 54 s P.M.
 Hour angle of Polaris, west 1h 39 m 06 s
 Azimuth of Polaris $179^{\circ}27'04''$
 Angle from Star to left $179^{\circ}22'00''$
 Bearing of Mark S. $00^{\circ}05'04''$ W.
 The mean of the two observations gives a bearing of S. $00^{\circ}05'02''$ W.
 for 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. Cor. on S. bdy. 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. bdy. Sec. 36.
 8
 40.15 Fall ~~xx~~ lks. N. of the Standard Cor. to T. 17 N., Rs. 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. $89^{\circ}53'$ E. 40.15 chs. distant.

From the Standard 1/4 Sec. Cor. on S. bdy. Sec. 36, T. 17 N., R. 5 W.,
 heretofore described.
 Thence West.
 Retracing along South bdy. of Sec. 36.
 9.16 Fall 2.3 lks. S. of the Closing Cor. of Secs. 1 and 2, T. 16 N.,
 R. 5 W., which is a malpais stone 5x6x10 ins. above ground,
 marked and witnessed as described by the Office of Public Surveys.
 8
 40.00 Fall ~~xx~~ lks. S. of the Standard Cor. to Secs. 35 and 36, T. 17 N.,
 R. 5 W., which is a malpais stone 14x10x10 ins. above ground,
 marked and witnessed as described by the Office of Public Surveys.
 True course of this line is N. $89^{\circ}53'$ W. 40.00 chs. distant.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains From the Standard Cor. to Secs. 35 and 36, heretofore described,
alongside of which is a malapais stone 10x12x12 ins. above ground,
marked 1 HES 349 on W. face, with mound of stone 3 ft. base, 2 ft.
high, NW of Cor. and witnessed as described in the field notes of
H.E.S. 349.

Thence North.

Retracing line 1 - 5 of H.E.S. 349.

8.25 Set temporary point for Cor. No. 1 of this survey.

36.52 Fall 4.2 lks. W. of Cor. No. 5 H.E.S. 349, which is a malapais stone
8x8x10 ins. above ground, marked and witnessed as described in the
field notes of H.E.S. 349.

True course of this line is N. 0°04' E. 36.52 chains distant.

February 24, 1931.

February 25, 1931.

BOUNDARIES OF H.E.S. 660

Beginning at Cor. No. 1, deposit a malapais stone 3x3x4 ins., marked
with a +, 16 ins. in the ground, over which set a malapais stone
8x10x24 ins. marked a + on top and 1 HES 660 on NE face. Raise md.
of stone 3 ft. base, 2 ft. high NE of Cor., whence a juniper 10 ins.
dia. bears S. 55°00' W. 3 lks. distant,

A juniper 30 ins. diameter bears S. 40°00' E. 113 lks. distant.

Each blazed and scribed 1 HES + 660 B.T.

Cor. No. 1 of H.E.S. 349, which is also the Standard Cor. ~~known~~ to
Secs. 35 and 36, T. 17 N., R. 5 W., heretofore described, bears S.
0°04' W. 8.25 chs. distant.

Cor. No. 5, H.E.S. 349, heretofore described, bears N. 0°04' E.
28.27 chs. distant.

Latitude 34° 49' 10" N., Longitude 112° 44' 43" W., from Forest
Service Base Map.

Observed magnetic declination at 8 a.m. 15° 00' E.

Mean magnetic declination corrected for diurnal change 14° 59' E.

Thence N. 0° 04' E.

Over open land, along line 1 - 5 of H.E.S. 349.

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HOMESTEAD ENTRY SURVEY NO. 660

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

4.

Chains

0.05 Wire fence bears N. 60° 00' E. and S. 60° 00' W.
Enter cultivated land.

8.20 Wire fence bears E. and W. leave cultivated land.

8.77 To Cor. No. 2.

Deposit a granite stone 2x4x7 ins., marked with a + 16 ins. in the ground, over which set a malapais stone 8x12x24 ins., marked a + on top and 2 HES 66 0 on SE face. Raise md. of stone 3 ft. base 2 ft. high SE of cor. Whence

An ash 18 ins. diameter bears N. 25° 10' E. 82 lks. dist.

An ash 16 ins. diameter bears N. 58° 50' W. 137 lks. dist.

Each blazed and scribed 2 HES + 660 B.T.

Cor. No. 5 H.E.S. 349, heretofore described, bears N. 0° 04' E. 19.50 chains distant.

Thence N. 86° 24' E.

Over level land through scattering juniper.

8.66 To Cor. No. 3.

Deposit a granite stone 2x4x4 ins., marked with a + 16 ins. in the ground, over which set a malapais stone 7x8x24 ins., marked a + on top and 3 HES 660 on South face.

Raise md. of stone 3 ft. base, 2 ft. high S. of Cor.

Pits impracticable, no witness trees available.

Thence S. 74° 58' E.

Over level land, through scattering juniper.

14.24 To Cor. No. 4.

Deposit a malapais stone 1x4x6 ins., marked with a +, 16 ins. in the ground, over which set a malapais stone 12x16x24 ins., marked a + on top and 4 HES 660 on SW face.

Raise md. of stone 3 ft. base, 2 ft. high SW of Cor.

Pits impracticable, no witness trees in limits.

Thence S. 0° 04' W.

Over open level land.

9.04 To Cor. No. 5.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

5.

Chains Deposit a granite stone 1x2x3 ins., marked with a +, 16 ins. in the ground, over which set a malapais stone 5x12x24 ins., marked a + on top and 5 HES 660 on NW face. Raise md. of stone 3 ft. base, 2 ft. high NW of Cor. Whence

A juniper 8 ins. diameter, blazed and scribed 5 HES + 660 BT. bears S. 72° 50' W. 189 lks. distant.

Cor. No. 2 of HES 661, which is a malapais stone 14x18x12 ins. above ground, bears S. 89° 56' E. 100 lks. distant.

Thence N. 59° 25' W.

Over open level land.

15.00 To Cor. No. 6

Deposit a granite stone 2x5x7 ins., marked with a +, 16 ins. in the ground, over which set a granite stone, 8x20x24 ins., marked a + on top and 6 HES 660 on N. face. Raise md. of stone 3 ft. base, 2 ft. high, N. of Cor.

Pits impracticable, no witness trees available.

Thence S. 65° 58' W.

Over open level land.

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

February 25, 1931.

AREA

Total area

15.57 Acres.

IMPROVEMENTS

There are no improvements on this tract.

DESCRIPTION

This claim is situated along the south side of Humphreys Wash, an intermittent stream. The soil is a deep, sandy loam and all of the area in this claim is suitable for farming.

There is no mineral known to exist on the claim and there is no mineral in this locality.

HOMESTEAD ENTRY SURVEY NO. 660

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

6.

Chains


CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. H.E.S. 349, Lester L. Johnson, occupant, adjoins this claim on the west, and H.E.S. 661 is immediately east of this claim.

Simmons, Arizona, the nearest post office, is 8 miles to the east and can be reached over a good automobile road.

Prescott, the nearest railroad point and market, is about 32 miles in a southeasterly direction.

Survey completed, February 25, 1931.



C. A. LONG,

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. 660, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	N. 0° 04' E.	8.77	8 77		01		01		09		
2 - 3	N. 86° 24' E.	8.66	54		8 64		8 66		4 68		
3 - 4	S. 74° 58' E.	14.24		3 69	13 75		31 04			114 54	
4 - 5	S. 0° 04' W.	9.04		9 04			44 77			404 72	
5 - 6	N. 59° 25' W.	15.00	7 63				31 84		242 94		
6 - 1	S. 65° 58' W.	10.36		4 22			9 46			39 83	
		66.07	16 94	16 95	22 40	22 38			247 71	559 09	
				16 94	22 38					247 71	
				01	02					20) 311 38	
										15.569	Acres
	Closing error 1/2955										

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APPROVAL

PUBLIC SURVEY OFFICE
~~Office of the United States Surveyor General,~~

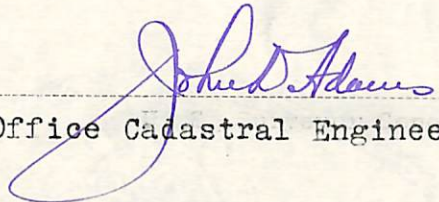
Phoenix, Arizona, April 23 , 1931

The foregoing field notes of Homestead Entry Survey No.

660

executed by C. A. Long, Regional Engineer,
under his special ^{pro forma} 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.

[Forest Service Title.]


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.

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