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 8 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 Sismona, Arizona.
H. R. No., dated 19

Land Office Phoenix, Arizona.

Survey executed by C. A. Long, Regional Engineer
Pro Forma Under special instructions dated March 12, 1951.
Survey commenced February 23, 1931.
Survey completed February 25, 1931.

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 Cadetural Surveyor-General for Arizona.

Regional Engineer.

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 Regional Engineer.

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

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 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. 661, dated June 11, 1906, for 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 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.

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

Notary Public.

My Commission Expires: June 20, 1931.
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 Cadstral Engineer, Public Survey Office, for Arizona, dated March 12, 1931, and designated as Homestead Entry Survey No. 861.
Situated in what will probably be when surveyed, Sec. 36, T. 17 N., R. 6 W., Gila and Salt River Base and Meridian, Prescott National Forest, Arizona.

Surveyed under the Acts of June 11, 1886, and May 27, 1930.

Survey commenced February 23, 1931, and executed with a Buff and Buff transit 16602 equipped with a Salch 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. 860, at 5 h. 01 m. 00 s. l.m.t., I observe Polaris with telescope direct, reading an angle of 173° 23' 00" from star to left, to Cor. No. 1 of H.E.S. 329, 3.25 chains distant.

Latitude 34° 49' 10" N., Longitude 112° 44' 48" 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, 5h 26m 06s P.M.

Reduction to Long. 112° 44' 45" = 1 12
3h 24m 54s P.M. 3h 24m 54s P.M.

Hour angle of Polaris, West
1h 26m 36s

Azimuth of Polaris
173° 28' 00"

Angle from Star to left
173° 23' 00"

Bearing of Mark
S. 06° 06' 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 173° 22' 00"
Homestead Entry Survey No. 661

Preceding
National Forest

State of Arizona

2.

Chains

From Star to left to the same reference mark.

L.M.T. of Obsn. Feb. 22, 1931

5h 0m 00s P.M.

G.H.T. U.C. Polaris Feb. 23, 1931, 5h 28m 03s 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 38m 06s

Azimuth of Polaris

179°27'04"

Angle from Star to left

179°22'00"

Bearing of Mark

S. 00°00'00" N.

The mean of the two observations gives a bearing of S. 00°00'02" 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.

40.16 Fall IX lks. S. 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°55'10" 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 saltpalis stone 6x6x10 ins. above ground,

marked and witnessed as described by the Office of Public Surveys.

49.00 Fall XIV lks. S. of the Standard Corner to secs. 35 and 36, T. 17 N.,
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 5x8x12 ins. above ground, marked 1 H.E.S. 364 on SE face.

I mark the same stone 1 H.E.S. 661 on N. face for Corner No. 1 of this survey. Raise mound of stone 3 ft. base, 2 ft. high, North of Cor.

Fits 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 6 A.M. 15°00' E. Mean magnetic declination 14°59'.

Thence N. 56°38' 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 H.E.S. 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 H.E.S. + 661 BT bears S. 00°23' W. 176 lks. distant.
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. 69°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 7x18x24 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 5x4x7 ins., marked with a +, 16 ins. in the ground, over which set a malapais stone 7x18x24 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 HEB 661 BT bears N. 27° 30' W. 173 lns. 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 malapais stone 2x2x10 ins., marked with a γ, 16 ins. in the ground, over which set a malapais stone 3x1x24 ins., marked a γ on top, 5 HEB 661 on side facing claim and 60 on NW. face.
Dig pits 12x1x24 ins. crosswise on line E. and W. and NW. and raise mound of stone and earth 5 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° 43' W. 6.48 chains distant.
The true point for Cor. No. 3 HEB 364, which I locate from the Witness corner for same, bears S. 89° 53' E. 3.59 chains distant.
The Standard Township Corner to T. 17 N., Rr. 4 and 5 W., heretofore described, bears S. 89° 53' E. 35.67 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 intermittent 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. 560, being separated therefrom by a roadway strip 100 ft. wide.

Simmons, Arizona, the nearest post office, 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.

[Signature]
Regional Engineer.
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Closing error 1/461

Surveyors are required to use the Standard Field Tables issued by the G. L. O.
executed by C. A. Long, Regional Engineer, under his 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.

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