FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 680

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 1904

Pro Forma

Under special instructions dated March 13, 1904

Survey commenced February 23, 1904

Survey completed February 25, 1904

OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long Regional Engineer, Forest Service (Forest Service Title) 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.

Chairman

Lyman C. Tellor

Chairman

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

Regional Engineer.

OATH OF SURVEYOR

I, C. A. Long, Regional Engineer (Forest Service Title), 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, and well, faithfully, and truly, in my own proper person, surveyed a tract of land for listing and patent

No. 660, dated June 11, 1906, for the same to be known as Homestead Entry Survey No. 660, situated within the Prescott National Forest, in 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.

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

Regional Engineer (Forest Service Title)

[Signature]

Notary Public.

My commission expires: June 20, 1931.
Chains

An unlisted tract of land surveyed under the Cooperative Plan on 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, 1902, 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 tested the adjustments of the transit and made 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.T. 549, 6.25 chains distant. Latitude 34°49'10" N., Longitude 112°44'43" W. from a Forest Service Base Map.

L.M.T. of Obsn. Feb. 28, 1931 5 h. 01 m. 00 s. P.M.

C.M.T. U.C. Polaris Feb. 28, 1931 3 h. 26 m. 06 s. P.M.

Reduction to Long. 112°44'43" 12

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

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

Azimuth of Polaris 179°23'00"

Angle from Star to left 179°23'00"

Bearing of Mark S. 00°06'10" W.

At the same point at 5 h. 06 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.
Chains

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

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

Reduction to Local. 112°44'43" - 1 m 12

3 h 24 m 54 s P.M.

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

Azimuth of Polaris 170°27'04"

Angle from Star to left 170°22'00"

Bearing of Mark S. 00°05'02" W.

The mean of the two observations gives a bearing of S. 00°05'02" W.

For the reference mark and from the meridian thus determined, all the courses of this survey were deflected.

RETRACMENTS

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.

40.15 Fall 6x6x6 ins. N. of the Standard Cor. to T. 17 N., R. 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. 36°23' 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 2.5 ins. S. of the Closing Cor. of Secs. 1 and 2, T. 16 N., R. 5 W., which is a malapais stone 6x6x10 ins. above ground, marked and witnessed as described by the Office of Public Surveys.

40.00 Fall 6x6x6 ins. S. of the Standard Cor. to Secs. 35 and 36, T. 17 N., R. 5 W., which is a malapais stone 6x6x10 ins. above ground, marked and witnessed as described by the Office of Public Surveys.

True course of this line is N. 46°23' W. 40.00 chs. distant.
<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Standard Cor. to Secs. 35 and 36, herefore described, alongside of which is a malapais stone 10x12x12 ins. above ground, marked 1 H.E.S. 349 on W. face, with mound of stone 2 ft. base, 2 ft. high, N.W. of Cor. and witnessed as described in the field notes of H.E.S. 349.</td>
</tr>
<tr>
<td>Thence North.</td>
</tr>
<tr>
<td>Retracing line 1 - 5 of H.E.S. 349.</td>
</tr>
<tr>
<td>8.25 Set temporary point for Cor. No. 1 of this survey.</td>
</tr>
<tr>
<td>36.52 Fall 4.2 lks. W. of Cor. No. 5 H.E.S. 349, which is a malapais stone 2x6x10 ins. above ground, marked and witnessed as described in the field notes of H.E.S. 349.</td>
</tr>
<tr>
<td>True course of this line is N. 0°44' E. 36.52 chains distant.</td>
</tr>
<tr>
<td>February 24, 1831.</td>
</tr>
</tbody>
</table>

**February 25, 1831.**

**BOUNDARIES OF H.E.S. 660**

Beginning at Cor. No. 1, deposit a malapais stone 3x8x4 ins., marked with a +, 18 ins. in the ground, over which set a malapais stone 2x10x4 ins. marked a + on top and 1 H.E.S. 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. 56°00' W. 3 lks. distant, A juniper 30 ins. diameter bears S. 40°00' E. 113 lks. distant. Each blazed and scribed 1 H.E.S. + 660 E.T. |

Cor. No. 1 of H.E.S. 349, which is also the Standard Cor. **EXT** to Secs. 35 and 36, T. 17 N., R. 5 W., herefore described, bears S. 0°44' W. 8.25 chs. distant. |

Cor. No. 5, H.E.S. 349, heretofore described, bears N. 0°44' E. 28.27 chs. distant. |

Latitude 34° 40' 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. |

Hence N. 0° 04' E. |

Over open land, along line 1 – 5 of H.E.S. 349.
HOMESTEAD ENTRY SURVEY NO. 460
PRESgłos NATIONAL FOREST
STATE OF ARIZONA
TO  STATE

Chains

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

Enter cultivated land.

5.20 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 8x13x24 ins., marked a +
on top and 2 HES 66 0 on S5 face. Raise md. of stone 3 ft. base
2 ft. high S5 of cor. Thence

An asl 18 ins. diameter bears N. 25° 10' E. 32 1ks. dist.

An asl 16 ins. diameter bears N. 58° 50' W. 137 1ks. dist.

Each blasted and scribbed 2 HES + 660 B.T.

Cor. No. 5 H.E.S. 319, heretofore described, bears N. 0° 04' E.

16.50 chains distant.

Thence N. 60° 24' E.

Over level land through scattering juniper.

6.86 To Cor. No. 3.

Deposit a granite stone 2x4x4 ins., marked with a + 16 ins. in the
ground, over which set a malapais stone 7x6x24 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 1x4x8 ins., marked with a +, 16 ins. in the
ground, over which set a malapais stone 12x10x24 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 E. 0° 04' W.

Over open level land.

9.04 To Cor. No. 5.
Deposit a granite stone 1x2x3 ins., marked with a +, 16 ins. in the ground, over which set a malapais stone 6x12x24 ins., marked a + on top and 5 H.S. 660 on NW face. Raise md. of stone 3 ft. base, 2 ft. high NW of Cor. Where

A juniper 8 ins. diameter, blazed and scribed 5 H.S. 660 ST. bears S. 72° 50' W. 189 lbs. distant.

Cor. No. 2 of H.S. 361, which is a malapais stone 14x18x12 ins. above ground, bears S. 89° 56' E. 100 lbs. distant.

Thence N. 56° 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, 6x30x24 ins., marked a + on top and 6 H.S. 660 on N. face. Raise md. of stone 3 ft. base, 2 ft. high, E. 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.

Total area 15.57 Acres.

There are no improvements on this tract.

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.
Chains

There are no conflicts. H.B.S. 543, Lester L. Johnson, occupant, adjoins this claim on the west, and H.B.S. 661 is immediately east of this claim.

Sims, 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.
<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>North</td>
<td>South</td>
<td>East</td>
<td>West</td>
<td></td>
</tr>
<tr>
<td>1 - 2</td>
<td>N. 00° 041  B</td>
<td>8.77</td>
<td>8.77</td>
<td>01</td>
<td>01</td>
<td>09</td>
<td></td>
</tr>
<tr>
<td>2 - 3</td>
<td>N. 36° 241  B</td>
<td>8.66</td>
<td>54</td>
<td>8.66</td>
<td>8.66</td>
<td>11454</td>
<td></td>
</tr>
<tr>
<td>3 - 4</td>
<td>S. 74° 521  W</td>
<td>14.24</td>
<td>3.69</td>
<td>13.75</td>
<td>31.04</td>
<td>10472</td>
<td></td>
</tr>
<tr>
<td>4 - 5</td>
<td>S. 00° 041  W</td>
<td>9.04</td>
<td>9.04</td>
<td>01</td>
<td>1477</td>
<td>3983</td>
<td></td>
</tr>
<tr>
<td>5 - 6</td>
<td>N. 59° 251  W</td>
<td>15.00</td>
<td>7.63</td>
<td>12.51</td>
<td>31.84</td>
<td>24794</td>
<td></td>
</tr>
<tr>
<td>6 - 1</td>
<td>S. 65° 581  W</td>
<td>10.35</td>
<td>4.22</td>
<td>3.46</td>
<td>9.46</td>
<td>24771</td>
<td>55909</td>
</tr>
<tr>
<td></td>
<td></td>
<td>66.07</td>
<td>16.94</td>
<td>16.95</td>
<td>22.740</td>
<td>22.38</td>
<td>24771</td>
</tr>
</tbody>
</table>

Closing error 1/2955

Closing error 1/2955

Acres 15.569
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 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 T. Adams
Office Cadastral Engineer.