U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 112
SITUATED IN THE
__________________________CROOK__ NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3
in
Section 15, unsurveyed, Township 1 S., Range 15 E.
Section 16, unsurveyed, Township 1 S., Range 15 E.

of the
Gila and Salt River Principal Meridian.

ARIZONA

Survey executed by ___________________________ Walter G. Turley, Forest Service Surveyor,
Under special instructions dated ___________________________ October 30, 1913
Survey commenced ___________________________ January 8, 1914
Survey completed ___________________________ January 8, 1914

Applicant for listing ___________________________ Frank Mark
Residence ___________________________ Globe, Arizona.
Application No. ___________________________ 193, dated ___________________________ August 9, 1911
List No. ___________________________ 3-1826, dated ___________________________ April 4, 1912
Applicant for survey ___________________________ Frank Mark
Residence ___________________________ Globe, Arizona.
H. E. No. 02075, dated ___________________________ April 9, 1913.
Land district ___________________________ Phoenix, Arizona.
OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley, Forest Service Surveyor in surveying all those parts or portions of Homestead Entry Survey No. 112, in Unsurveyed Sections 15 & 16, Township 1 S., Range 15 E., surveyed Section ---, Township ---, Range ---, of the G. & S.R.R. & meridian, 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 Arizona.

Note: It would have been very expensive and inconvenient to appear before an officer to administer the oaths to assistants; hence, they were taken by the Surveyor.

Subscribed and sworn to before me this ______ day of ______, 19__.

Walter G. Turley
Forest Service Surveyor

OATH OF SURVEYOR

I, Walter G. Turley, Forest Service Surveyor, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated October 30, 1913, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land upon the application of ______, No.____, dated ______, 1906, for Patent ______, under the Act of ______, 1906, the same to be known as Homestead Entry Survey No. 112, situated within the CRACK National Forest, in Unsurveyed Sections 15 & 16, Township 1 S., Range 15 E., and surveyed Section ---, Township ---, Range ---, of the G. & S.R.R. & 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.

Walter G. Turley
Forest Service Surveyor

Subscribed and sworn to before me this ______ day of ______, 19__.

[Seal]
Walter G. Turley, Notary Public
Homestead Entry Survey No. 112

Crock National Forest, Arizona

Applicant for listing, Frank Mark; Application No. 193, dated August 9, 1911; List No. 3-1825, dated April 4, 1912; H. E. No. 028076, made by Frank Mark at Phoenix, Arizona on April 9, 1913.

Surveyed under special instructions from the Surveyor General for Arizona, dated October 30, 1913, and designated as Homestead Entry Survey No. 112.


Survey commenced January 8, 1914, and executed with a W. and L. E. Gurley light mountain transit No. 129053, with vertical circle and Burt solar attachment; the horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the verniers of the latitude and declination arcs.

The instrument was examined, tested, and all necessary adjustments made to the levels, line of collimation, stadia interval and solar attachment.

The distances were measured on the slope and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod with double targets, the rod being graduated to read in feet and hundredths and target verniers to thousandths.

January 7, 1914.

I observe Polaris in accordance with instructions at 9 h. 00 m. p.m., l.m.t., at cor. H-5 of the list survey, which is a granite stone 12 x 6 x 12 ins. above ground, marked and witnessed as described by the Forest Service.
and mark the line thus determined by driving a tack in a stake set 6.00 chs. north of my station.

Astron l.m.t. obsn. Jan. 7, 1914 ... 9 h 00 m

Astron. l.m.t. U.C. Pol. Jan. 7, 1914 ... 6 h 22.7

Hour Angle Pol. at obsn. ... 2 37.3

Azimuth of Pol. at obsn. ... 0° 53' W.

January 8, 1914;

At 6 h. 05 m. a.m., l.m.t., I again observe Polaris in accordance with instructions at cor. n-8 of the List survey, heretofore described.

Astron l.m.t. obsn. Jan. 7, 1914 ... 16 h 05 m

Astron. l.m.t. U.C. Pol. Jan. 7, 1914 ... 6 22.7

Hour Angle Pol. at obsn. ... 11 42.3

Azimuth of Pol. at obsn. ... 0° 05' 36" W.

I turn off the azimuth 0° 06' to the E. and mark the line thus determined with a tack in a stake set firmly in the ground 6.00 chs. north of my station.

I also turn off the azimuth 0° 53' E. from the line determined by Polaris observation on January 7, and the meridian thus determined differs 0° 00' 34" from the meridian determined by Polaris observation on January 8, 1914. I mark the mean of the two lines for the meridian, by a tack in a stake set firmly in the ground 6.00 chs. north of my station.

January 8, 1914;

At 8 h. 00 m. a.m., l.m.t., I set off 22° 15' S. on the decl. arc and 33° 21' on the lat. arc and determine a meridian with the solar arc at cor. n-5 of the List survey, heretofore described, and my line of sight falls upon the tack in the stake set 6.00 chs. north of my station. Therefore I conclude that my transit is in
January 8, 1914:

At 8 h. 30 m. a.m., l.m.t., I set off 22° 16' S. on the decl. arc and 33° 21' on the lat. arc and determine a meridian with the Krell at U.S. L.E. No. 110 H.E. S., which is a conglomerate stone 80 x 10 x 12 ins. above the ground, marked and witnessed as described by me in the field notes of H.E. S. No. 110.

In my view of the premises, a stone 8 x 1 x 6 ins. and a point 3 ft. 2 in. above the ground, marked A and B, respectively.

I destroy all trace of this List, which refers to this claim, and at this point I set a granite stone 25 x 10 x 6 ins. 15 ins. in the ground, over a small stone marked with a cross (X) for cor. No. 1 of this survey, marked l-HES112 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor. from which,

An oak 5 ins. dia. bears N. 67° 04' W. 89 lks.

dist. marked l H E S 112 B T

An oak 4 ins. dia. bears N. 46° 28' W. 64 lks.

dist. marked l H E S 112 B T

I observe the magnetic declination at cor. No. 1 of this survey to be 14° 06' E. at 9 h. 00 m. a.m., l.m.t., which reduced by Table G, Manual of 1894, Diurnal Variation in Magnetic Declination, gives a mean magnetic declination of 14° 04' E.

Along N 110° 46' 37" W., as obtained from instructions from the Surveyor General.
Chains

Thence S. 37° 23' W.

Ascend along NW. slope 50 ft. in undergrowth.

0.20 Fence, bears N. 60° W. and S. 60° E.

21.25 Fence, bears NW. and SE.

42.44 To cor. No. 2.

Identical with cor. H-4 of the List survey, which is a granite stone 10 x 4 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a schist stone 24 x 8 x 5 ins. 14 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 2 of this survey, marked 2-HES112 on the N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high N. of cor. from which, 

An oak 4 ins. dia. bears N. 55° 10' W. 59 lbs. dist. marked 2 H E S 112 B T

A juniper 6 ins. dia. bears N. 69° 50' E. 103 lbs. dist. marked 2 H E S 312 B T

Thence N. 26° 45' W.

Descend NW. slope 25 ft. to creek.

5.75 Kelner Creek, 90 lbs. wide, course N. Ascend SE. slope to niveau a Holly 3 ins. dia.; and cor. 1-1/4 ft. lower.

7.95 Road, bears N. and S.

10.20 To cor. No. 3.

Identical with cor. H-3 of the List survey, which is a granite stone in place 8 x 12 x 10 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor. and mark a cross (+) at the apex of the same stone for cor. No. 3 of this survey and 3-HES112 on the E. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high E. of cor.

from which, 

A holly 4 ins. dia. bears S. 37° 16' W. 105 lbs.
Chains.

To cor. No. 5. Be.

Identical with cor. E-1 of the List survey, also cor. E-2, H. E. No. 022730, Peter Cisterman, unsurveyed H. E. No. 128, which is a granite stone 12 x 6 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same boulder for cor. No. 4 of this survey, and 4-HES112 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which.

Note: The sun was obscured at apparent noon, therefore a latitude observation was not possible.

The sun was obscured at apparent noon, therefore a latitude observation was not possible.

To cor. No. 4.

11.70 To Ravine, course SE. Ascend 10 ft. to cor.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same boulder for cor. No. 4 of this survey, and 4-HES112 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.

17.10 To cor. No. 4. Be.

Identical with cor. H-2 of the List survey, which is an imbedded granite boulder 6 x 5 x 4 ft. above ground, marked 4 H E S 112 B R bears N. 4° 59' 12 lks. dist.
<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>conglomerate stone 24 x 10 x 8 ins., 14 ins. in the ground; over a</td>
</tr>
<tr>
<td>small stone marked with a cross (+) for Cor. No. 5 of this survey,</td>
</tr>
<tr>
<td>marked 5-HE3112 on the SE. face; and raise a mound of stone 2 ft.</td>
</tr>
<tr>
<td>base, 1 1/2 ft. high SE. of cor. from which, at 32 32 ESE. at</td>
</tr>
<tr>
<td>35 ft. above ground, marked 5-HE3112 B.E. as at point S.E. 27° 44'</td>
</tr>
<tr>
<td>E. 105 lds. dist. No other bearings available. Fits impracticable.</td>
</tr>
</tbody>
</table>

| Thence S. 60° 15' E. 35 ft. to point you reach I. Descend 35 ft.     |
| along SE. slope to creek. A cross (+) bears S. 27° 44' E. 105 lds.   |
| E. 460. Road: bears NE. and SE. 5.75 Helen creek, 40 lds. wide,     |
| banks 2 ft. high, course NE. Ascend 25 ft. to cor. 7.88 To cor. No. 1|
| of this survey, the place of beginning. 11 & 24 E. & N. January     |

The improvements made upon and for the benefit of this homestead and   |
belonging to Frank Mark, the claimant herein, consist of the following:

A frame chicken house 16 x 20 ft. the long side of which bears N. and   |
S. and the NE. cor. of which bears S. 30° 20' W. 11.80 chs. dist. from  |
cor. No. 5 of this survey. Value $ 50.00

A tent house 12 x 14 ft. the long side of which bears N. and S. and   |
the NE. cor. of which bears S. 1° 15' W. and 11.60 chs. dist. from cor. |
No. 5 of this survey. Value... $ 50.00

A 30 ft. long side of same, same dist. of cor.  No. 5...
Chains

A well 4 x 4 x 64 ft. deep the center of which bears S. 5° 30' W. 10.80 chs. dist. from cor. No. 5 of this survey.

Value $500.00

A frame house 14 x 16 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 1° 00' W. 12.00 chs. dist. from cor. No. 5 of this survey.

Value $150.00

General Description

This claim is located on Kelner Creek at an elevation of approximately 3,900 ft. and is chiefly valuable for intensive farming and stock raising. No evidence of mineral appears upon this claim and the soil is a sandy loam which produces any crop raised in the temperate zone.

Globe postoffice and Arizona Eastern Railway station is 3-1/2 miles in a northeasterly direction.

Conflicts and Adjoining Claims

This claim is joined on the NE. by H.E. No. 022730, Peter Osterman, unsurveyed H. E. S. No. 128.

<table>
<thead>
<tr>
<th>Bearing</th>
<th>Distance</th>
<th>Latitude</th>
<th>Departure</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. 37° 23' W.</td>
<td>42.44</td>
<td>33.72</td>
<td>25.77</td>
</tr>
<tr>
<td>N. 26° 45' W.</td>
<td>10.30</td>
<td>9.20</td>
<td>4.64</td>
</tr>
<tr>
<td>N. 43° 54' E.</td>
<td>17.10</td>
<td>12.32</td>
<td>11.86</td>
</tr>
<tr>
<td>N. 36° 00' E.</td>
<td>19.94</td>
<td>16.13</td>
<td>11.72</td>
</tr>
<tr>
<td>S. 60° 15' E.</td>
<td>7.88</td>
<td>3.91</td>
<td>6.84</td>
</tr>
</tbody>
</table>

97.66 37.65 37.63 30.42 30.41

Error in Lat. and Dep. .02 .01

Closing Error 1:4368

Forest Service Surveyor
<table>
<thead>
<tr>
<th>Chains</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200.00</td>
<td>2200.00</td>
</tr>
</tbody>
</table>

**General Description**

This claim is located on O'Shaunessy Creek on a southerly section of 6 1/2 miles by a northerly extension.

**Conflicting and Adjacent Claims**

Here shown to be joint on the NE. 1/4 N. 18E., R. 5E., Sec. 3.

**Survey**

<table>
<thead>
<tr>
<th>East</th>
<th>North</th>
<th>Elevation Difference</th>
<th>Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200</td>
<td>2200</td>
<td>2200.00</td>
<td>2200.00</td>
</tr>
</tbody>
</table>

*Please note the above measurements.*
<table>
<thead>
<tr>
<th>No.</th>
<th>COURSE</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</td>
<td>$37^\circ 23' 9''$</td>
<td>42.44</td>
<td>33.72</td>
<td>25.77</td>
<td>3506</td>
<td>118257</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>$26^\circ 45' 9''$</td>
<td>103.0</td>
<td>9.20</td>
<td>4.64</td>
<td>4.64</td>
<td>42.69</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>$38^\circ 34' 54''$</td>
<td>171.0</td>
<td>12.32</td>
<td>11.86</td>
<td>11.86</td>
<td>140.12</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>$30^\circ 00' 0''$</td>
<td>199.4</td>
<td>16.13</td>
<td>11.72</td>
<td>35.44</td>
<td>571.29</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>$50^\circ 15' 0''$</td>
<td>75.8</td>
<td>3.91</td>
<td>6.84</td>
<td>54.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>97.66</td>
<td>37.65</td>
<td>37.63</td>
<td>30.42</td>
<td>30.41</td>
<td>760.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>37.04</td>
<td>37.54</td>
<td>30.42</td>
<td>20.42</td>
<td></td>
<td>760.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>25633.61</td>
<td>33.68</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona,
December 10, 1914.

The foregoing field notes of Homestead Entry Survey No.
112

Frank Mark

executed by Walter G. Turley, Forest Service Surveyor,
under his special instructions, dated October 30, 1913,
having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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

Frank S. Ingalls,
U. S. Surveyor General.