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JUL 12 1911

HOMESTEAD ENTRY SURVEY NO. 58

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Arizona Land District.

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FIELD NOTES

of

The Survey of the Homestead Entry Claim

of

William J. Young

Described as

H. E. No. 0312 List No. 1205

Approximate Secs. 14 and 15, T. 10 N., R. 13 E., unsurveyed.

Tonto National Forest,

Gila County, Arizona

Surveyed under instructions dated Aug. 12, 1910, 1909.

by Howard C. Hopkins  
U. S. Mineral Surveyor.

Survey commenced August 17, 1910.

Survey completed August 18, 1910.

Address:  
William J. Young,  
Young, Arizona.

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HOMESTEAD ENTRY SURVEY NO.58.

William J.Young,Claimant.

Beginning at Cor.No.1.

Identical with Forest Service monument.

A sandstone chiseled FSMH1,which I replaced with a red granite stone 8x10x24 ins.,set 12 ins.in the ground, chiseled 1-HES 58,with mound of stone 2 ft.base,1-1/2 ft. high alongside,whence No. 58,

U.S.Location Monument, bears N.42°28'E. 1.92 chs; a live oak tree 1 ft.dia. bears N.59°W. 0.46 chs.; a live oak tree 18 ins.dia. bears N.20°18'E. 0.30 chs. both blazed and scribed VH1, to which I added 1-HES-58-BT.

chains

Thence S.46°50'E.

- 2.00 Haightler Creek,0.50 chs.wide,flows southwesterly. Ascend.
- 12.00 Hillside,120 ft.above Haightler Creek. Descend.
- 18.00 Gulch,flows northerly.
- 19.00 Wagon road,course northerly and southerly.
- 19.24 Cor.No.2.

A sandstone 5x15x26 ins.,chiseled H2 to which I added 2-HES-58 and set 12 ins.in the ground,with mound of stone 2 ft.base,1-1/2 ft.high alongside,whence

A black oak tree,8 ins.dia.bears N.40°35'W. 0.18 chs.; a live oak tree 10 ins.dia.bears N.11°07'E. 0.27 chs., both blazed and scribed VH2 to which I added 2-HES-58-BT.

Thence N.43°40'E.

- 12.64 Along foot of hill. Cor.fence,course N.42°22'E. and N.51°W.
- 78.14 To Cor.No.3.

A quartzite chiseled H 3,which I replaced with a quartzite boulder 6x14x24 ins.,set 12 ins in the ground,chiseled 2-HES-58-BT,with mound of stone 2 ft.base,1-1/2 ft.high alongside,whence

A juniper tree 2 ft.dia.bears S.74°07'W. 0.58 chs. and a juniper tree 18 ins.dia.bears N.28°35'W. 0.60 chs., both blazed and scribed VH3, to which I added 2-HES-58-BT.

Thence N.41°30'W.

- 1.50 Descend. Wire fence,course S. 42°22'W., N. 42°22'E.
- 2.00 Edge of flat. Across flat.
- 8.00 Haightler Creek,0.50 chs.wide,flows southwesterly.
- 15.00 Wire fence,course S.34°W.,N.34°E. Ascend.
- 16.00 Wire fence,course N.52°W.,S.52°E.

(2-HES-58)

chains.

20.00 To Cor.No.4.

A sandstone, 6x8x24 ins., chiseled H 4 to which I added 4-HES-58 and set 12 ins. in the ground, with mound of stone 2 ft. base, 1-1/2 ft. high alongside, whence

A juniper tree 30 ins. dia. blazed and scribed 4-HES-58-BT bears N.10°09'E. 1.89 chs.; a juniper tree, 3 ft. dia., blazed and scribed WH 4, to which I added 4-HES-58-BT, bears N.75°44'W. 1.18 chs.

Thence S.42°12'W.

Along hillside 50 to 100 ft. above valley.

0.73 Wire fence, course N.52°W., S.52°E.

80.00 To Cor.No.1.

The place of beginning.

Magnetic variation at all corners. 14°30'E.

This survey is identical with the preliminary survey and listing.

Area 155.22 acres.

Location.

Secs. 14&15,

This survey is located approximately in Tp.10 N., R.13 E., unsurveyed, G. & S.R. Mer., Tonto National Forest, Gila County, Arizona, on Haightler Creek.

Improvements.

A log house, 18x58 ft., course of long side N.75°E., west corner bears S.68°45'E. 6.22 chs. from Cor.No.1.

A barn, 20x56 ft., course of long side N.54°E., west corner bears from Cor.No.1 S.65°E. 8.20 chs.

Fence; beginning at a point on line 2-3, 12.64 chs. from Cor.No.2, thence N.51°W. 10.20 chs., thence N.54°E. 10 chs., thence N.36°W. 4 chs., thence S.54°W. 19 chs., thence from this point S.54°W. 4.20 chs., and S.36°E. 4 chs., thence from this point N.54°E. 9 chs., and S.75°30'W. 4 chs., thence N.47°W. 1 ch. Also: beginning at a point on line 2-3 12.64 chs. from Cor.No.2, thence N.42°22'E. 65.65 chs. to cross line 3-4 1.50 chs. from Cor.No.3. Also: beginning at a point N.42°52'E. 34.14 chs. from Cor.No.2, thence N.75°W. 13 chs., thence S.75°W. 9 chs., thence S.47°W. 9 chs., thence S.45°E. 1 ch. Also: beginning at a point on line 3-4 15 chs. from Cor.No.3, thence S.34°W. 35 chs., thence S.22°04'E. 9.16 chs. Also: beginning at a point on line 3-4 16 chs. from Cor.No.3, thence N.52°W. 4 chs. to cross line 4-1 0.73 chs. from Cor.No.4.

A corral, 50 ft. square, course of side N.51°W., southeast corner bears N.14°12'E. 13.05 chs. from Cor.No.2.

(3-HES-58)

A corral, 100 ft. square, course of side N.51° W., northeast corner bears from Cor.No.2 N.14° 12' E. 12.05 chs.

A corral 50x95 ft., course of long side N.51° W., southeast corner bears N.11° 17' E. 13.39 chs. from Cor.No.2.

A round corral, 50 ft. dia., center bears N.5° 40' E. 14.50 chs. from Cor.No.2.

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This survey is surrounded by unclaimed land in the Tonfo National Forest.

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The discrepancies between these notes and the survey by the Department of Agriculture are due to errors in the latter.

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This survey was made with a Gurley light mountain transit. The courses were deflected from the true meridian as determined by direct solar observations made when establishing U.S. Location Monument No.58.

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U.S. LOCATION MONUMENT NO.58.

As H.E.Sur.No.58 is more than 2 miles from a corner of the public land surveys, a previously established U.S.L.M. or a U.S.Mineral Mon.it was necessary to establish U.S.L.M.No.58.

U.S.L.M.No.58 is on a rocky point of bluff 50 ft. above Haighler Creek at the most conspicuous point available. The land rises to the northwest from Haighler Creek to high elevations and a confusion of wild hills and mountains; to the southeast the land rises rapidly for a few hundred feet and for several miles are many rough mesas and rounding hills, broken by wide washes. The rim of the Mogollon mountains rises about seven miles to the north. This ranch is itself the most conspicuous and well known feature of the country for several miles.

The location monument is a red granite boulder projecting 5x3x2-1/2 ft. above the ground, chiseled U.S.L.M.58 x, with a mound of stone 4 ft. high, 6 ft. base alongside.

A juniper tree, 20 ins. dia. bears N.27° 21' E. 1.16 chs., a juniper tree 30 ins. dia. bears N.56° 05' E. 1.55 chs., both blazed and scribed USLM-58-BT; the west corner of W.J.Young's house bears S.51° 04' E. 5.90 chs. There are no other conspicuous or well known points visable from this or any other location in the vicinity.

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Observation for Meridian.

I determined the meridian by direct solar observations as follows:-

Aug.18, 1910 at 2:30 P.M. mountain time, latitude 34° 13' north; longitude 111° 00' west from Greenwich; I set on U.S. L.M.No.58, sighted towards Cor.No.1 and deflected right

29°14', altitude 46°23'30"; OK  
 30°06', " 45°34';  
 30°47'30" " 44°53'; quartering the sun.

This gives the bearing of line to Cor.No.1 S.42°28'W.  
 The same line is S.28°W. magnetic, which gives the  
 variation 14°30'E.

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Observation for Latitude.

A short time before noon on Aug.18,1910 I carefully  
 leveled the transit and sighted to the sun, following it  
 as it rose with the horizontal wire bisecting it, until  
 it ceased to rise.

Vertical angle	42° 35'
Refraction	1'03" Subt. ✓
Sun's decl. noon Aug.18,1910	<u>13° 12'54" Add.</u> 13 13 "
Co-latitude	55° 46'51"
Latitude	34° 13'09" 34 13 52

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As I had no way of observing longitude accurately I  
 took it from the map of Arizona published by the General  
 Land Office and maps in use by the U.S. Forest Service  
 as 111° 00' West from Greenwich.

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FINAL OATHS FOR SURVEYS.

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LIST OF NAMES.

A list of the names of the individuals employed by  
Howard C. Hopkins United States Mineral Surveyor, to  
 assist in running, measuring, and marking the lines, cor-  
 ners, and boundaries described in the foregoing field  
 notes of the survey of the Homestead Entry claim of  
William J. Young, described as R. E. No. 0312,  
 List No. 1205

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and showing the respective capacities in which they acted.

- John F. Jackson Chainman
- \_\_\_\_\_ Chainman
- \_\_\_\_\_ Axman
- \_\_\_\_\_ Flagman.

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FINAL OATHS OF ASSISTANTS.

We, John F. Jackson and  
Howard C. Hopkins, do solemnly swear that we assisted  
Howard C. Hopkins, United States Mineral Surveyor, in  
marking the corners and surveying the boundaries of the  
Homestead Entry claim of William J. Young  
described as N.E. No. 0312, List No 1205,  
Homestead Entry Survey No. 58

represented in the foregoing field notes as having been  
surveyed by said mineral surveyor and under his direction;  
and that said survey has been in all respects, to the best  
of our knowledge and belief, faithfully and correctly exe-  
cuted, and the corner and boundary monuments established  
according to law and the instructions furnished by the  
United States Surveyor General for Arizona.

John F. Jackson Chainman.

\_\_\_\_\_ Chainman.

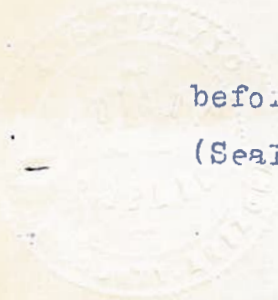
\_\_\_\_\_ Axman

\_\_\_\_\_ Flagman.

Subscribed and sworn to by the above named persons  
before me this 26<sup>th</sup> day of May, 1911.  
(Seal)

C. S. [Signature]  
Notary Public

My commission expires July 15, 1911



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Howard C. Hopkins, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Aug. 12, 1910, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor-General, faithfully and correctly executed the survey of the Homestead Entry claim of William J. Young, described as N. E. No. 0312, List No. 1205, situate approximately in Secs. 14 & 15, T. 10 N., R. 13 E., unsurveyed.

Tonto National Forest,  
Gila County, Arizona, and designated as Homestead Entry Survey No. 58, as represented in the foregoing field notes, which accurately show the boundaries of said Homestead Entry claim as distinctly marked by monuments on the ground, and described in List No. 1205, as incorporated in the instructions for the survey, received from the Surveyor General, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein.

Howard C. Hopkins  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Howard C. Hopkins,  
U. S. Mineral Surveyor, before me

M. W. Davis  
A Notary Public this 11th day of July, 1910.

M. W. Davis  
Notary Public.

(Seal)

My Commission Expires  
Sept 8th 1914.



"Unsurveyed, which when surveyed will be approximately Township 10 north, Range 13 east, G. & S. R. Meridian

Section 15

Area 160 acres

W. J. Young, Young, Arizona, applied on April 24, 1907, for this tract, and alleged settlement in 1897.

FIELD NOTES OF SURVEY.

Application No. 45. W. J. Young, Young, Arizona. Tonto National Forest.

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October 12, 1907 unsurveyed  
Approximately T. 10 N., R. 13 E. G. & S. R. Meridian  
Sec. 15

Variation.--This survey was run and platted on a variation of 14° E., obtained by retracement of north line of Section 4, T. 9 N. R. 13 E., G. & S. R. Meridian.

Forest Service Monument consists of sandstone boulder 10"x12"x9" situated on west bank of Haighler Creek, 258 chains N. and 64 chains east of N.E. Corner Section 4, T. 9 N. R. 13 E. unapproved survey. Boulder is chiseled on face F S M H 1 being Corner No. 1.

Thence S. 48° E.

Chains

20.00 To sandstone set in monument of stone and marked H-2.

Thence N. 42° E.

80.00 To sandstone set in monument of stone and marked H-3

Thence N. 48° W.

13.00 Haighler Creek

20.00 Stone marked H-4 set in monument of stone.

Thence S. 42° W.

80.00 To beginning Corner H01, containing 160 acres of land, be the same more or less, about 5-6 being good agricultural land.  
(Signed) Harry L. Castle,

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE  
ON FIELD NOTES.

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DEPARTMENT OF THE INTERIOR,  
Office of U. S. Surveyor-General,

Phoenix, Arizona, January 9, 1912.

I, U. S. Surveyor-General for the District of Arizona, do hereby certify that the foregoing transcript of the Field Notes, Return and Approval of the Survey of the Homestead Entry Claim of William J. Young, described as Homestead Entry No. 0312, Phoenix, Arizona, Land Office, based on List No. 1205, situated in the Tonto National Forest, Gila County, Arizona, in approximate Sections 14 and 15, T. 10 N., R. 13 E., unsurveyed, G. & S. R. B. & M., and designated as Homestead Entry Survey No. 58, have been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said Homestead Entry Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or to permanent monuments as will perpetuate and fix the locus thereof.

Frank S. Ingalls,  
U. S. Surveyor-General for Arizona.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL  
OF  
FIELD NOTES AND SURVEY OF HOMESTEAD ENTRY CLAIM.

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DEPARTMENT OF THE INTERIOR,  
Office of U. S. Surveyor-General,

Phoenix, Arizona, January 9, 1912.

I, U. S. Surveyor-General for the District of Arizona, do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Homestead Entry Claim of William J. Young, described as Homestead Entry No. 0312, Phoenix, Arizona, Land Office, based on List No. 1205, situated in the Tonto National Forest, Gila County, Arizona, in approximate Sections 14 and 15, T. 10 N., R. 13 E., unsurveyed, G. & S. R. B. & M., designated as Homestead Entry Survey No. 58, executed by Howard C. Hopkins, U. S. Mineral Surveyor, August 17 - 18, 1910, under my instructions dated August 12, 1910, have been critically examined and the necessary corrections and explanations made and the said Field Notes and Return and the Survey they describe are hereby approved. A true copy of the copy of the Field Notes of the the preliminary survey of said Homestead Entry Claim by the Department of Agriculture is included in the Field Notes.

*Frank S. Ingalls*  
U. S. Surveyor-General for Arizona.



# HOMESTEAD ENTRY SUR N<sup>o</sup> 58.

Arizona Land District  
● TONTO NATIONAL FOREST  
Gila County Arizona

Surveyed Aug. 17 & 18, 1910.  
by Howard C. Hopkins

Scale 1 inch = 20 chains U.S. Min Sur.

