

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

APR 5-1917

APR 5-1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 408

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 23 , un surveyed, Township 8 N. , Range 13 E.

In Section 24, un surveyed, Township 8 N. , Range 13 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona.

Applicant for listing H. S. Buckner.

Residence Young, Arizona.

Application No. 348 , dated April 1, , 19 12.

List No. 3-2125 , dated January 2, , 19 13.

Applicant for survey Willie M. Cohea,

Residence Young, Arizona.

H. E. No. 023037 Office , dated August 1, , 19 13.

Land District Phoenix, Arizona.

Survey executed by Walter G. Turley, Surveyor, Forest Service. (Forest Service Title.)

Under special instructions dated September 23, , 19 15.

Survey commenced March 13, , 19 16.

Survey completed March 14, , 19 16.

Under Acts of June 11, 1906 and March 4, 1915.

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OATH OF ASSISTANTS

We hereby certify that we assisted **Walter G. Turley,**
Surveyor, Forest Service, in surveying all those
[Forest Service Title.]
parts or portions of Homestead Entry Survey No. **408**, 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 estab-
lished, 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 ad-
minister oaths to Assistants,
hence, they were taken by the
Surveyor.

Charles H. Baecht

Benny D. Lewis

Subscribed and sworn to before me this *twenty eighth* day of
March, 19*16*.

Walter G. Turley

Surveyor Forest Service

OATH OF SURVEYOR

I, **Walter G. Turley, Surveyor, Forest Service**
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **Arizona**, dated
September 23,, 19*15*, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land **embraced in**

List, No. **3-2125**, dated **January 2,**, 19*13*, for
Patent, under the Act of **June 11,**, 1906,
the same to be known as Homestead Entry Survey No. **408**,
situated within the **Tonto** National Forest, in
unsurveyed Section **23**, Township **8 N.**, Range **13 E.**, and
unsurveyed Section **24**, Township **8 N.**, Range **13 E.**,

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.

Walter G. Turley

Surveyor Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this *8th* day of

April, 19*16*

Elsie C. Myers

Notary Public



8-2349

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing H. S. Buckner; Application No. 348, dated April 1, 1912; List No. 3-2125, dated January 2, 1913; Homestead Entry No. 023037, made in the Phoenix Land Office on August 1, 1913 by Willie M. Cohea whose postoffice address is Young, Arizona.

Surveyed under Acts June 11, 1906, and March 4, 1915 together with Special Instructions from the Surveyor General for Arizona dated September 23, 1915 and designated as Homestead Entry Survey No. 408. Situated in what will probably be when surveyed, secs. 23 and 24 T. 8 N., R. 13 E. Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced March 13, 1916, and executed with a W. & L. E. Gurley light mountain transit No. 12953 provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite each other and graduated to single minutes of arc, which is also the graduation upon the verniers of the latitude and declination arcs. I test the adjustments of the transit and solar attachment and make necessary corrections.

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape graduated to links and tenths. The slope angles were determined with a clinometer, the vernier of which reads to degrees.

HOMESTEAD ENTRY SURVEY NO. 408

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains

March 13, 1916

I set up my transit over cor. H-1 of List 3-2125 which is a quartzite stone 18 X 16 X 10 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 6h. 50m. p.m. l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station, in lat. $34^{\circ} 01' 17''$ N. and Long. $110^{\circ} 58' 34''$ W., from special instructions from the Surveyor General.

Astron. l.m.t. obsn., March 13, 1916 6h. 50.0m.

Astron, l.m.t. U.C. Pol. March 13, 1916 2h. 04.1m.

Hour angle Pol. at obsn., 4h. 45.9m.

Azimuth Pol. at obsn., $1^{\circ} 18' 24''$ W.

With my transit set up over cor. H-1 of List 3-2125 heretofore described, and with telescope reversed in altitude and azimuth, at 7h. 05m. p.m., l.m.t. on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. l.m.t. obsn. March 13, 1916, 7h. 05.0m.

Astron. l.m.t. U.C. Pol. March 13, 1916, 2h. 04.1m.

Hour angle Pol. at obsn. 5h. 00.9m.

Azimuth of Pol. at obsn., $1^{\circ} 19' 54''$ W.

March 14, 1916

I turn off $1^{\circ} 18\frac{1}{2}'$, the azimuth of Polaris, to the E. from its direction at 6h. 50m. p.m., l.m.t. March 13, 1916; and mark the line thus determined with a

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

tack in a stake set firmly in the ground 5.00 chs.

N. of my station.

I also turn off 1° 20', the azimuth of Polaris, to the

E. from its direction at 7h. 05m. p.m., l.m.t. and

mark the line thus determined with a tack in a

stake set firmly in the ground 5.00 chs. N. of my

station. This line falls 0° 00' 40" of measured arc

to the W. of the line previously established.

I mark the mean of these two lines with a tack in a

stake set firmly in the ground 5.00 chs. N. of my

station; and from the corresponding meridian, all

courses stated in these field notes were deflected

and referred by continuous sustained angulation.

Latitude 34° 01' 17" N. and longitude 110° 58' 34" W.

at cor. No. 1 of this survey, by account from values

stated in the special instructions of the Surveyor

General. It was cloudy at apparent noon and not

possible to check the latitude by direct obser-

vation.

My watch is set for Standard 105th Meridian time from

which I subtract 23m. 54s. for l.m.t.

Observed magnetic declination at cor. No. 1-at 8h. 00m.

l.m.t. 14° 50' E. Mean magnetic declination 14°

47' E.

Beginning at cor. No. 1.

Identical with cor. H-1 of List 3-2125, which is a

quartzite stone 18 X 16 X 10 ins. above ground marked

and witnessed as described by the Forest Service.

I destroy cor. H-1 and its witnesses; and, for cor.

No. 1 of this survey, I chisel (+) on a stone

4 X 3 X 2 ins., and deposit it 16 ins. in the ground;

Chains over which I set a sandstone 26 X 14 X 12 ins., 16 ins. in the ground; chiseled (+) at the point and 1- HES 408 on the N. W. face and raise a mound of stone 2 ft. base, 1½ ft. high N. W. of cor. from which:

A 10 in. black oak bears N. 20° 00' E. 50 lks., blazed and scribed 1 HES 408 + B T.

A 9 in. pine bears N. 59° 29' W. 49 lks., blazed and scribed 1 HES 408 + B T.

¼ sec. cor. to secs. 19 and 24 T. 8 N., Rs. 13 and 14 E. bears S. 88° 15' E. 51.88 chs. by direct measurement.

Note: The ¼ cor. between secs. 19 and 24 T. 8 N., Rs. 13 and 14 E. is a sandstone 10 X 5 X 6 ins. above ground, mkd. ¼ on W. face with mound of stone 2 ft.

base 1½ ft. high W. of cor. from which:

A 22 in. alligator juniper bears N. 65° 30' W. 52 lks. mkd. ¼ S. 24 B T.

A 22 in. alligator juniper bears N. 79° 30' E. 54 lks. mkd. ¼ S 19 B T.

Thence N. 88° 48' W.

Asc. brushy N. slope 10 ft.

- 1.70 Young-Kirby wagon road bears N. and S.
- 9.30 Cease ascending and desc. N. W. slope 40 ft.
- 21.45 Wire fence bears E.N.E. and W. S. W.
- 73.70 To cor. No. 2

Identical with cor. H-4 of List 3-2125, which is a granitstone 10 X 4 X 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses; and, for cor. No. 2 of this survey, I chisel (+) on a stone 4 X 3 X 2 ins., and deposit it 16 ins. in the ground; over which I set a quartzite stone 26 X 10 X 6 ins., 16 ins. in the ground; chiseled (+) at the point and

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TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>2 - HES 408 on the N. E. face and raise a mound of stone 2 ft. base, 1½ ft. high N. E. of Cor. from which:</p> <p>A 30-in. alligator juniper bears N. 28° 00' W. 85 lks., blazed and scribed 2 HES 408 B T.</p> <p>A 20 in. alligator juniper bears N. 83° 50' E. 131 lks., blazed and scribed 2 HES 408 B T.</p> <hr/> <p>Thence N. 0° 21' E.</p> <p>Desc. open N. slope 30 ft.</p> <p>2.30 Wire fence bears N. E. and S. W. Enter brush.</p> <p>6.06 Seven Mile creek 40 lks. wide banks 2 ft. high course W. Asc. S slope 15 ft.</p> <p>7.11 Wire fence bears E. and W.</p> <p>14.80 To cor. No. 3</p> <p>Identical with cor. H-3 of List 3-2125, which is an imbedded basalt stone 24 X 20 X 18 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses; and, for cor. No. 3 of this survey, I chisel (+) at the point and 3-HES 408 on the S. E. face of the same stone and raise a mound of stone 2 ft. base 1½ ft. high E. of cor. from which:</p> <p>A 10 in. alligator juniper bears S. 11° 15' W. 147 lks., blazed and scribed 3 - HES 408 + B T.</p> <p>A 6 in. black oak bears S. 35° 07' W. 114 lks., blazed and scribed 3 - HES 408 + B T.</p> <p>Note: It was impracticable to place Md. within claim.</p> <hr/> <p>Thence S. 88° 51' E.</p> <p>Asc. brushy S. W. slope 25 ft.</p> <p>21.41 Wire fence bears E. N. E. and W. S. W., continue ascending gradually along rolling S. slope 10 ft.</p> <p>35.53 Wire fence bears N. and S.</p> <p>68.70 Wire fence bears N. and S. Desc. S. E. slope 25 ft.</p> <p>72.65 Young-Kirby wagon road bears N. N.E. and S. S. W.</p> <p>72.80 Seven Mile Creek 18 lks. wide, banks 3 ft. high, course S. Asc. W. slope 10 ft.</p>
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Chains
 73.79 To cor. No. 4
 100 Identical with cor. H - 2 of List 3-2125, which is
 a sandstone 7 X 2 X 5 ins. above ground marked and
 witnessed as described by the Forest Service. I des-
 troy cor. H - 2 and its witnesses; and, for cor. No.
 4 of this survey, I chisel (+) on a stone 4 X 4 X 3
 ins., and deposit it 14 ins. in the ground; over
 which I set a basaltstone 24 X 10 X 10 ins., 14 ins.
 in the ground; chiseled (+) at the point and 4 - HES
 408 on the S. W. face and raise a mound of stone 2
 ft. base, 1 1/2 ft. high S. W. of cor. from which:
 A 5 in. black oak bears N. 48° 35' W. 17 lks.,
 blazed and scribed 4 - HES 408 + B T.
 A 6 in. white oak bears S. 58° 40' W. 28 lks.,
 blazed and scribed 4 - HES 408+ B. T.

Thence S. 0° 56' W.
 Along brushy W. slope
 3.00 Desc. S. W. slope 15 ft.
 9.30 Creek bed 40 lks. wide, banks 2 ft. high, course W.
 Asc. N. slope 50 ft.
 10.85 Young-Kirby wagon road bears N. W. and S. E.
 14.06 Young-Kirby wagon road bears N. E. and S. W.
 14.87 To cor. No. 1 the place of beginning.

AREA

Total area - - - - - 109.41 acres

IMPROVEMENTS

A log dwelling 20 X 16 ft., the long side extending
E. and W. and the S. E. cor. of which bears N. 31° 20'

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Chains

W. 9.82 chs. from cor. No. 1 of this survey.

Estimated value - - - - - \$200.00

A log stable 24 X 18 ft., the long side extending E. and W. and the S. E. cor. of which bears N. 47° 00' W. 12.05 chs. from cor. No. 1 of the survey.

Estimated value - - - - - \$250.00

A well 4 X 4 X 20 ft. deep and pump the center of which bears N. 35° 10' W. 8.98 chs. from cor. No. 1 of this survey.

Estimated value - - - - - \$ 50.00

Approximately 3 miles of wire fencing, partly on the outside of the claim.

Estimated value - - - - - \$300.00

Approximately 20 acres of cultivated land.

DESCRIPTION.

This claim is situated on Seven Mile Creek, a tributary to the Tonto, and is valuable for stock raising. The soil is a sandy and clay loam, and produces the ordinary crops of the temperate zone. Good crops of milo maize and barley hay have been raised. There is some mature pine timber included in this survey. Seven Mile Creek is not perennial. Water for domestic purposes is obtained from the well. This section is not reported to be mineralized and no townsites, mining, coal or oil claims are known to have been located in this vicinity. There are no conflicts or adjoining claims. Young postoffice is seven miles in a northerly direction by wagon road. Globe railway station is 60 miles in a southerly direction by wagon road.

Chains

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 88° 48'	W. 73.70	1.54			73.68
2-3	N. 0° 21'	E. 14.80	14.80		.09	
3-4	S. 88° 51'	E. 73.79		1.48	73.78	
4-1	S. 0° 56'	W. 14.87		14.87		.24
		177.16	16.34	16.35	73.87	73.92
				16.34		73.87
	Error in Lat. and Dep.			0.01		0.05

Closing error 1:3474

Survey completed March 14, 1916.

Walter F. Turley
Surveyor-Forest Service.

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. 408, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 88° 48' W.	73.70	1 54		73 68	66	73 66	113 44	
2-3	N. 0° 21' E.	14.80	14 80		09 31		09 09	1 53	
3-4	S. 88° 51' E.	73.79		1 47	73 78		73 99		108 77
4-1	S. 0° 56' W.	14.87		14 87		24	147 56		2194 22
		177.16	16 54	16 36	73 87	73 92		114 77	2302 99
			16 34	16 34	73 90	73 90			114 77
									2) 2188 22
									109 411

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EMH

APPROVAL

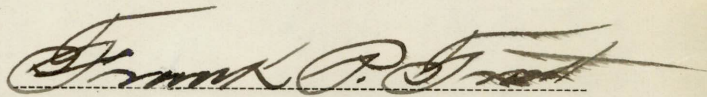
Office of the United States Surveyor General,

Phoenix, Arizona, June 19 , 1917.

The foregoing field notes of Homestead Entry Survey No.

408

executed by **Walter G. Turley, Surveyor Forest Service**
[Forest Service Title.]
under his special instructions, dated **September 23** , 1915, 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 the State of **Arizona** , has been
correctly copied from the original notes on file in this office.

Frank P. Trott

U. S. Surveyor General.