

ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 486

SITUATED IN THE **APACHE** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 17 , unsurveyed, Township 4 S., Range 32 E.

In Section 18 , unsurveyed, Township 4 S., Range 32 E.

In Section 20, unsurveyed, Township 4 S., Range 32 E.

And Establishment of U. S. L. M. No. 486 H. E. S.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Big Lee Ranch

Applicant for listing **W. M. Bartlett,**

Residence **Clifton, Arizona**

Application No. **43** , dated **October 22** , 1907

List No. **1185** , dated **April 6** , 1908

Applicant for survey **John Collett,**

Residence **Clifton, Arizona**

H. E. No. **029899** , dated **March 31** , 1916

Office
Land District **Phoenix, Arizona**

Survey executed by **Lee C. Daves, Surveyor - Forest Service**
and N. F. Newman, Surveyor-Draftsman, Forest Service,

Under special instructions dated **June 21** , 1916

Survey commenced **March 5** , 1917

Survey completed **Sept 15** , 1919

Under Acts of **June 11, 1906 and August 11, 1916, & July 24, 1919**

O.K.

93

JAN 17 1919

FEB - 2 1920

APR - 2 1920

DEC 27 1920

94

486

OATH OF ASSISTANTS

We hereby certify that we assisted **Lee C. Daves,**
Surveyor - Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **486**, 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 incon-
venient to appear before an
Officer to administer oaths
to Assistants; hence, they
were taken by the Surveyor.

P. J. Anubost, Chainman

July 18, 1917

Subscribed and sworn to before me this **18th** day of
July, 19 **17**.

Lee C. Daves

Surveyor - Forest Service

OATH OF SURVEYOR

I, **Lee C. Daves,** **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
June 21, 1916, 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. **1185**, dated **April 6**, 1908, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **486**,
situated within the **APACHE** National Forest, in
unsurveyed Section 17, Township **4 S.**, Range **32 E.**, and
unsurveyed Section 18, Township **4 S.**, Range **32 E.**, and
unsurveyed Section 20, Township **4 S.**, Range **32 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.

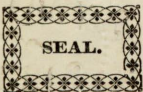
Lee C. Daves

Surveyor - Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **fifth** day of
October, 19 **18**.

Ethel G. Myers

Notary Public.



8-2349

My Commission expires March 17, 1921.

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO.

SITUATED IN THE

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section , surveyed, Township , Range

of the

Meridian.

State of

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Land Office

Survey executed by

[Forest Service Title.]

Under special instructions dated , 19

Survey commenced , 19

Survey completed , 19

Under Acts of

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OATH OF ASSISTANTS

We hereby certify that we assisted **N. F. Newman,**
Surveyor - Draftsman, Forest Service, in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **486**, 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 administer oaths to Assistant; hence, it was taken by the Surveyor.

H. H. Langfellow
Chairman.

Subscribed and sworn to before me this **fifteenth** day of
September, 19**19**

N. F. Newman
Surveyor - Draftsman, Forest Service,

OATH OF SURVEYOR

I, **N. F. Newman, Surveyor - Draftsman, 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
June 21, 19**16**, 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. **1185**, dated **April 6**, 19**08**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **486**,
situated within the **APACHE** National Forest, in
un surveyed Section 17, Township **4 S.**, Range **32 E.**, and
un surveyed Section 18, Township **4 S.**, Range **32 E.**, and
un surveyed Section 20, Township **4 S.**, Range **32 E.**

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

N. F. Newman
Surveyor - Draftsman, Forest Service,
[Forest Service Title.]

Subscribed and sworn to before me this **19th** day of
January, 19**20**.

Ethel G. Myers
Notary Public,



My commission expires March 17, 1921.

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APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, W. M. Bartlett; Application No. 43, dated October 22, 1907; List No. 1185, dated April 6, 1908; H. E. 029899 made in the Phoenix Land Office on March 31, 1916, by John Collett.

Surveyed under special instructions from the Surveyor General for Arizona, dated June 21, 1916, and designated as Homestead Entry Survey No. 486.

Situated in what will probably be when surveyed, Secs. 17, 18 and 20, T. 4 S., R. 32 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Note: The listing survey locates this claim in Sec. 30, T. 4 S., R. 33 E., which location is found to be in error by reason of the connections hereinafter described. Surveyed under the Acts of June 11, 1906, August 11, 1916 and July 24, 1919.

Survey commenced March 5, 1917, and executed with a Buff and Buff transit No. 9703, equipped with Smith 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.

March 5, 1917.
At Cor. No. 1, H. E. S. 486, hereinafter more fully described, in Lat. $33^{\circ} 05' 03''$ N., Long. $109^{\circ} 05' 08''$ W., from U. S. G. S. Topographic sheet of Morenci Quadrangle, at 8h. 32.4m p.m., l.m.t., I observe Polaris at W. elongation with telescope direct and reversed,

TSAPACHE MOUNTAIN NATIONAL FOREST

STATE OF ARIZONA

Chains reading an angle of $11^{\circ} 57'$ from star to mark. The mean bearing of the reference mark as determined from the two separate obsns. is N. $13^{\circ} 18'$ W. and to the corresponding meridian all the courses of this survey are referred by angulation.

Lee C. Daves, Surveyor - Forest Service,
March 5, 1917.

Sept. 13, 1919.

In accordance with instructions contained in a letter from the Surveyor-General for Arizona, dated March 6, 1919, I, N. F. Newman, Surveyor-Draftsman, Forest Service, together with H. H. Longfellow, Chainman, return to this claim for the purpose of tying same to the New Mexico-Arizona State boundary line, if it is found to be within two miles distance.

This survey was executed with a Buff and Buff transit No. 10802, equipped with Smith solar attachment. I test the adjustments of the transit and make the 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.

At Cor. No. 2 of H. E. S. 508, which is a sandstone showing $10 \times 8 \times 10$ ins. above ground, marked and witnessed as described in the notes of that survey, Lat. $33^{\circ} 05' 12''$ N., Long. $109^{\circ} 04' 08''$ W., from U. S. G. S. Topographic Sheet, Morenci Quadrangle, I obs. Polaris at 8h. 08.7m. p.m., l.m.t., at Eastern elongation and mark the mean

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains of two obsns. on a stake about 10 chs. northwardly from my station.

Diff. bet. obsns. is $1/4$ of an inch.

Azimuth of Polaris at elongation is $1^{\circ} 20' 30''$ E.

All lines of this survey were either deflected from this meridian by sustained angulation or run on assumed bearing and later verified.

September 13, 1919.

Retracement

September 14, 1919.

Beginning at the closing corner bet. Secs. 30 and 31,

T. 13 S., R. 21 W., N. M. P. M., on the New Mexico-Arizona State boundary line, which is a granite stone, showing $12 \times 8 \times 8$ ins. above ground, chiseled C C on east face and ARIZ on west face and properly witnessed.

Thence South,

Making careful search along line at approximate distances as scaled from U. S. G. S. sheet, for boundary monuments on Arizona-New Mexico State line.

238.40 Fall 8 lks. W. of U. S. G. S. Bench Mark, shown to be approximately at point for closing corner bet. Secs. 7 and 18, T. 14 S., R. 21 W., N. M. P. M., which is an iron post 5 ins. dia., with brass cap marked 5806 ft., firmly set in solid rock.

September 14, 1919.

September 15, 1919.

Continue course and distance.

480.00 Having found no trace of boundary monuments, I discontinue search for same.

Note: The Morenci quadrangle U. S. G. S. sheet shows

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

no boundary monuments on the State line in this vicinity South of Boundary Monument No. 251 as having been found.

In order to make approximate connection to the New Mexico-Arizona State Boundary line, I make a tie from

U. S. L. M. No. 486 H. E. S., hereinafter described, to the U. S. G. S. Bench Mark, above described, although the distance is over two miles.

Beginning at U. S. L. M. No. 486 H. E. S., hereinafter described,

Thence N. 88° 10' 46" E.

By traverse, which is attached at the end of these notes.

175.15 To U. S. G. S. Bench Mark, above described.

September 15, 1919.

N. F. Newman, Surveyor Draftsman - Forest Service,

Lee C. Daves, Surveyor - Forest Service,

U.S.L.M. No. 486 H.E.S.

March 6, 1917.

There being no Corner of the Public Land Survey within 2 miles, I establish U. S. L. M. No. 486 H. E. S.

Situated on the most prominent summit in Juniper Ridge, which extends in a N. and S. direction between Big Lue and Coal Canyon, about 2 miles West of the Arizona and New Mexico State Boundary.

I mark a limestone in place, showing 32 x 24 x 20 ins. above ground, with a + on top and U S L M No 486 H E S on N. face. Using this stone as a part of the base, raise a mound of stone 7 ft. base, 6 ft. high,

A juniper 10 ins. dia., brs. N. 23° 45' E., 38 lks. dist.

A juniper 5 ins. dia., bears S. 13° 00' E., 16

Chains

lks. dist.

A juniper 24 ins. dia., bears S. 36° 25' W.,

80 lks. dist.

A live oak 8 ins. dia., bears N. 74° 00' W.,

98 lks. dist.

Each marked U S L M No 486 H E S + B T.

U. S. G. S. B. M., an iron post 5 ins. in dia.,

with brass cap marked 6101, bears S. 35° 49'

E., 23.47 chs. dist.

Black Mountain in New Mexico, bears N. 59°

12' E.

Black Mountain (near Silver City, New Mexico)

bears S. 69° 54' E.

Maverick Hill bears S. 18° 15' E.

Rose Peak bears N. 34° 52' W., approximately 29

miles dist.

Maple Peak bears N. 4° 36' W., approximately

17-1/2 miles dist.

Note: This claim has been resurveyed on account of errors discovered in the work of the first surveyor. The U. S. L. M. has been changed from where it was first established on a side hill to a prominent summit, where it would serve for three cases. For this reason Cor. No. 1 H. E. S. 486 is not the nearest corner to the locating monument. The corners had been set and numbered by the first surveyor, and it was not considered necessary to renumber the stones and bearing trees.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1

Identical with cor. H-8 of the list survey, which is a malpais boulder 10 x 12 x 14 ins. above ground,

Chains

marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor.

Deposit a basalt stone 8 x 8 x 3 ins., marked with a

+ 22 ins. in the ground, over which set a basalt stone

32 x 16 x 16 ins., chiseled + for the point and 1 H E S

486 on E. face; and raise a mound of stone 4 ft. base,

2 ft. high E. of cor., whence:

A pine 12 ins. dia., bears S. 79° 00' E., 27 lks.

dist.

A pine 10 ins. dia., bears N. 47° 30' W., 49 lks.

dist.

Each marked 1 H E S 486 + B T.

U. S. L. M. No. 486, previously described (a flag on which is plainly visible) bears N. 14° 20' E., 47.13

chs. dist.

Lat. 33° 05' 03" N., Long. 109° 05' 08" W., from U. S.

G. S. Sheet Morénci Quadrangle.

Mag. decl. at 6h. a.m. 12° 30' E., -Mean mag. decl. 12°

28' E.

Thence N. 61° 18' E.

Crossing Bottom of Big Lue Canyon, through scattering

pine timber.

Big Lue Creek, running water 5 lks. wide, course N.

Asc. 20 ft. to corner on rocky W. slope.

Trail, bears N. and S.

Wire fence, bears N. and S.

To cor. No. 2.

Identical with cor. H-1 of the list survey, which is a basalt boulder 40 x 24 x 16 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

I chisel same boulder + for the point and 2 H E S

486 on S. face; and raise a mound of stone 4 ft.

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APACHE NATIONAL FOREST

7.3

STATE OF ARIZONA.

Chains

base, 2 ft. high S. of cor., whence:

A live oak 5 ins. dia., bears S. 35° 10' E.,
37 lks. dist.

A live oak 4 ins. dia., bears S. 33° 55' W.,
35 lks. dist.

Each marked 2 H E S 486 + B T.

Thence S. 41° 56' E.

Desc. along rocky SW. slope, through scattering pine
and juniper.

1.65 Bottom 10 ft. desc. Wire fence, bears E. and W. Enter
cultivated land, leaving scattering timber.

4.60 Wire fence, bears E. and W.

5.41 Wire fence, bears N. and S. Leave cultivated land and
asc. along rocky SW. slope, entering scattering timber.

13.50 Top 45 ft. asc. on SW. slope. Desc. 20 ft. to cor.

17.06 To Cor. No. 3.

Identical with cor. H-2 of the list survey, which is
a basalt bstoner in place showing 40 x 24 x 24 ins.
above ground, marked and witnessed as described by
the Forest Service. I destroy all trace of this list
cor.

I chisel same stone + for the point and 3 H E S 486
on SW. face; and raise a mound of stone 4 ft. base,
2 ft. high SW. of cor., whence:

A live oak 6 ins. dia., bears. N. 46° 30' E.,
12 lks. dist.

A live oak 6 ins. dia., bears N. 29° 05' W.,
19 lks. dist.

Each marked 3 H E S 486 + B T.

Thence S. 76° 33' E.

Along foot of S. slope, scattering juniper to North
and cultivated land to South.

Chains
10.19

To Cor. No. 4.

Identical with Cor. H-3 of the list survey, which is a limestone 12 x 14 x 16 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor.

Deposit a limestone 5 x 4 x 3 ins. marked with a + 22 ins. in the ground, over which set a limestone 32 x 12 x 10 ins., chiseled + for the point and 4 H E S 486 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor., whence:

A live oak 4 ins. dia., bears N. 70° 30' E.,
31 lks. dist.

A live oak 4 ins. dia., bears S. 38° 40' E.,
29 lks. dist.

Each marked 4 H E S 486 + B T.

Thence S. 19° 02' E.

Along foot of W. slope. Cultivated land to right and scattering juniper, oak and pine to left.

25.75 To Cor. No. 5

Identical with cor. H-4 of the list survey, which is an oak stake 3 x 4 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a limestone 8 x 6 x 4 ins. marked with a + 16 ins. in the ground, over which set a limestone 26 x 16 x 10 ins., chiseled + for the point and 5 H E S 486 on W. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor., whence:

A live oak 7 ins. dia., bears N. 85° 05' E.,
42 lks. dist.

A live oak 7 ins. dia., bears S. 36° 35' E.,
42 lks. dist.

Chains Each marked 5 H E S 486 + B T.
March 6, 1917.

March 7, 1917

Thence S. 6° 10' E.

Along foot of W. slope, through W. edge of scattering juniper, oak and pine timber.

11.64

To Cor. No. 6

Point for cor. falls on a limestone in place, showing 24 x 16 x 8 ins. above ground. I chisel same stone

+ for the point and 6 H E S 486 on NW. face; and

raise a mound of stone 4 ft. base, 2 ft. high NW. of

cor., whence:

A live oak 12 ins. dia., bears N. 3° 40' E.,
68 lks. dist.

A juniper 7 ins. dia., bears N. 54° 30' E.,
79 lks. dist.

Each marked 6 H E S 486 + B T.

Cor. H-5 of the list survey, which is a lime-

stone 6 x 8 x 12 ins. above ground, marked

and witnessed as described by the Forest Ser-

vice, bears West, 4 lks. dist. I destroy

all trace of this list cor.

Thence S. 86° 35' W.

Crossing open flat along S. edge of cultivation.

14.34

To Cor. No. 7 in E. edge of oak brush.

Identical with cor. H-6 of the list survey, which is

a malpais stone 12 x 14 x 16 ins. above ground,

marked and witnessed as described by the Forest Ser-

vice. I destroy all trace of this list cor.

Deposit a basalt stone 6 x 4 x 2 ins., marked with
a + 14 ins. in the ground, over which set a basalt

90.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

stone 24 x 10 x 6 ins., chiseled + for the point and
7 H E S 486 on NE. face; and raise a mound of stone
4 ft. base, 2 ft. high NE. of cor., whence:

A live oak 5 ins. dia., bears N. 80° 20' W.,
105 lks. dist.

A live oak 4 ins. dia., bears N. 36° 10' W.,
126 lks. dist.

Each marked 7 H E S 486 + B T.

Cor. No. 2 H. E. S. 509, a limestone boulder in
place, showing 32 x 24 x 24 ins. above ground,
marked + on top and 2 H E S 509 on SW. face,
with mound of stone 4 ft. base, 2 ft. high
SW. of cor., bears S. 43° 00' E., 4.24 chs.
dist. by direct measurement.

Thence N. 11° 19' W.

Along foot of gentle E. slope; through E. edge of oak,
juniper and scattering pine timber.

29.46 To Cor. No. 8

Identical with cor. H-7 of the list survey, which
is a malpais stone 12 x 12 x 16 ins. above ground,
marked and witnessed as described by the Forest Ser-
vice. I destroy all trace of this list cor.

Deposit a basalt stone 8 x 8 x 3 ins., marked with
a + 14 ins. in the ground, over which set a basalt
stone 28 x 10 x 8 ins., chiseled + for the point
and 8 H E S 486 on NE. face; and raise a mound of
stone 4 ft. base, 2 ft. high NE. of cor., whence:

A juniper 10 ins. dia., bears S. 4° 30' W.,
123 lks. dist.

A juniper 8 ins. dia., bears N. 82° 20' W.,
199 lks. dist.

Each marked 8 H E S 486 + B T.

Chains Thence N. 40° 31' W.
 Along foot of NE. slope. Desc. 25 ft. to cor.
 25.90 To cor. No. 1, the point of beginning.
 March 7, 1917.

Area
 Total Area - - - - - 66.75 Acres

IMPROVEMENTS

The improvements made upon and for the benefit of this claim and belonging to the claimant, consist of the following:

A log house 24 x 18 ft., the long side extending N. and S.; the NW. cor. of which bears S. 7° 40' E., 3.10 chs. dist. from Cor. No. 2.
 Value - - - - - \$150.00

A log stable 24 x 18 ft., the long side extending E. and W., the NE. cor. of which bears S. 57° 42' W., 1.42 chs. dist. from Cor. No. 2.
 Value - - - - - \$100.00

A well with 12 ft. of water, 25 ft. deep, 4 ft. in dia., the center of which bears S. 5° 10' E., 3.00 chs. dist. from Cor. No. 2.
 Value - - - - - \$150.00

Total Value of improvements - - - - - \$400.00

DESCRIPTION

This claim is situated in Big Lue Canyon. Practically all of the land is in cultivation. Corn and potatoes, the principal crops are grown without irrigation. Water for domestic use is obtained from a well near the house.
 There is no merchantable timber on the claim.

12.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

No indication of mineral was observed on the land.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts nor adjoining claims.

H. E. S. 509 lies about 4.00 chs. to South.

Clifton, Arizona, is the nearest railroad point, about 15 miles to the west by trail. Mule Creek, post office, (New Mexico), is about 6 miles by wagon road in a northeasterly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 61° 18' E.	6.80	3.27		5.96	
2-3	S. 41° 56' E.	17.06		12.69	11.40	
3-4	S. 76° 33' E.	10.19		2.37	9.91	
4-5	S. 19° 02' E.	25.75		24.34	8.40	
5-6	S. 6° 10' E.	11.64		11.57	1.25	
6-7	S. 86° 35' W.	14.34		.85		14.31
7-8	N. 11° 19' W.	29.46	28.89			5.78
8-1	N. 40° 31' W.	25.90	19.69			16.83
		141.14	51.85	51.82	36.92	36.92
Error in Lat. and Dep.			51.82		36.92	
			.03		.00	

Closing error 1:4705

Survey completed Sept. 15, 1919.

L. C. Davis

Surveyor-Forest Service

A. F. Newman

Surveyor Draftsman-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. 486, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 61° 18' E.	6.80	3 27		5 96		5 96		
2-3	S. 41° 56' E.	17.06		12 69	11 40		23 32	295 93	19 49
3-4	S. 76° 33' E.	10.19		2 37	9 91		44 63	105 77	
4-5	S. 19° 02' E.	25.75		24 34	8 40		62 94	1532 59	
5-6	S. 6° 10' E.	11.64		11 57	1 25		72 59	839 87	
6-7	S. 86° 35' W.	14.34		85		14 31	59 53	50 60	
7-8	N. 11° 19' W.	29.46	28 89			5 78	39 44		1139 03
8-1	N. 40° 31' W.	25.90	19 69			16 83	16 83		331 21
		141.14	51 85	51 82	36 92	36 92	1489 73	2824 76	
			51 83	51 83	36 92	36 92	1489 73	2824 76	
	Closing error 1:4705							20 / 1335 03	66.75 Acres

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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. 486 STATE OF ARIZONA - APACHE

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	TIE U.S.L.M. 486 H.E.S. to B. M. 5806								
USLM - 1/508	N. 57° 59' 36" E. 67.02		55.52		56.83				
1/508 - 2/508	N. 34° 38' 00" E. 7.50		6.17		4.26				
2/508 - 3/508	S. 11° 09' 00" E. 43.93			43.10	8.50				
3/508 - BM 5806	N. 86° 13' 34" E. 106.20		6.99		105.97				
			48.68	43.10	175.56				
			43.10						
			5.58						
	Resultant Course, N. 88° 10' 46" E., 175.65 chs.								

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APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, April 24, 1920.

The foregoing field notes of Homestead Entry Survey No.

486

executed by Lee C. Daves and H. F. Newman, Surveyors-Draftsmen
[Forest Service Title.]
under his special instructions, dated June 21, 1916, 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.