

ORIGINAL

APR 27 1920
125
APR 22 1920
APR 3 1919
APR 2 1920
APR 11 1920

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 508

SITUATED IN THE Apache NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 8, unsurveyed, Township 4 S., Range 32 E.
In Section 17, unsurveyed, Township 4 S., Range 32 E.

of the

Gila and Salt River Base & Meridian.

State of

Arizona.

Applicant for listing Sylvester Phillips,
Residence Clifton, Arizona.
Application No. 371, dated August 16, 19 15
List No. 3-3733, dated December 31, 19 15

Applicant for survey Clarence E. Phillips,
Residence Clifton, Arizona.
H. E. No. 932033, dated February 23, 1917
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 February 9, 19 17
Survey commenced March 10, 19 17
Survey completed Sept. 15, 19 19
Under Acts of June 11, 1906 and August 11, 1916,
and July 24, 1919. (OVER)

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. **508**, 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
oath to assistant; hence
it was taken by the sur-
veyor.

P. J. Ambrose chainman

Subscribed and sworn to before me this **eleventh** day of
March, 19 **17**.

Lee 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
February 9, 19**17**, 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. **3-3733**, dated **December 31, 1915**, for
Patent, under the Act of **June 11, 1906**,
the same to be known as Homestead Entry Survey No. **508**,
situated within the **APACHE** National Forest, in
unsurveyed Section 8, **Township 4 S.**, **Range 32 E.**, and
unsurveyed Section 17, **Township 4 S.**, **Range 32 E.**,

of the **Gila & 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
survey.

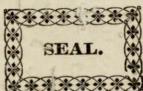
Lee Daves

Surveyor - Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **twenty-first** day of
December, 19**18**.

Eshel 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

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. **508**, 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
oath to Assistant; hence
it was taken by the Sur-
veyor.**

N. F. Newman
Chainman

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
February 9, 19**17**, 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**

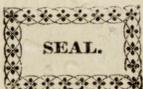
List, No. **3-3733**, dated **December 31, 1915**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **508**,
situated within the **APACHE** National Forest, in
un surveyed Sections **8**, Township **4 S.**, Range **32 E.**, and
-- surveyed Section **--**, Township **---**, Range **---**,

of the **GILA & 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**.

Evel G. Myers
Notary Public,



My commission expires March 17, 1921.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Sylvester Phillips; Application No. 371, dated August 16, 1915; List No. 3-3733 dated December 31, 1915; H. E. 032033 made in the Phoenix Land Office on February 23, 1917 by Clarence E. Phillips.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 9, 1917 and designated as Homestead Entry Survey No. 508.

Situated in what will probably be, when surveyed, Sec. 8 T. 4 S., R. 32 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, August 11, 1916 and July 24, 1919.

Survey commenced March 10, 1917, and executed with a Buff and Buff transit No. 9702, 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 10, 1917.

At Cor. No. 1, hereinafter described, in Lat. ⁰⁶ 33° 06' 03" N., Long. ¹⁸ 109° 04' 18" W., from U. S. G. S.

Topographic Sheet of the Morenci Quadrangle, I obs. Polaris at 8h. 12.7m. p.m., l.m.t. at Western Elong. and mark the mean of two separate obsns. by stakes firmly set in the ground about 15 chs. Northwardly of my station.

Diff. bet. obsns. is 3/8 of an inch.

Conf. with 486.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Azimuth of Polaris at Elong. is $1^{\circ} 21' W.$

March 10, 1917.

Lee C. Daves - Surveyor - Forest Service.

September 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.

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 this survey, hereinafter described, 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 elong. and mark the mean of two obsns. on a stake about 10 chs. northwardly from my station.

Diff. between 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.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

RETRACEMENT.

September 14, 1919.

Beginning at the closing cor. 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 x 8 x 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 cor. bet. Secs. 7 and 18, T. 14 S., R. 21 W., N. M. P. M., which is an iron post 5 ins. dia., with a brass cap mkd. 5806 ft., firmly set in solid rock. Recorded on U.S.G.S. sheet as B M 5805.

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 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 New Mexico-Arizona State Boundary line, I make a tie to the U. S. G. S. Bench Mark, above described.

Beginning at Cor. No. 3 of this survey, hereinafter described, which is the nearest cor. to the State line. Thence N. 86° 13' 34" E.

106.20 By traverse which appears at the end of these notes. To U.S.G.S Bench Mark, above described.

September 15, 1919.

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

*is this
5806 or
5805?
Marked 5806
on post
Corrected in
Washington +
given in record
as 5805.*

Chains

March 11, 1917.

Lee C. Daves, Surveyor - Forest Service,

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1.

Identical with Cor. H-2 of the List survey, which is a limestone 14 x 10 x 5 ins. above ground, mkd. and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a limestone 6 x 4 x 3 ins. mkd. with a + 14 ins. in the ground, over which set a limestone 24 x 14 x 8 ins. chiseled + for the point and 1 H E S 508 on East face; and raise a mound of stone 4 ft. base, 2 ft. high, East of cor., whence:

A live oak 6 ins. dia., brs. S. 14° 15' W., 22 lks. dist.

A live oak 5 ins. dia., brs. S. 65° 45' W., 15 lks. dist.

Each mkd. 1 H E S 508 + B T.

The U.S.L.M. 486 H.E.S. which is a limestone in place, showing 32 x 24 x 20 ins. above ground, mkd. + on top and U.S.L.M. No 486 H E S on North face in North base of mound of stone 7 ft. base, 6 ft. high, brs. S. 57° 59' 36" W., 67.02 chs. dist. by traverse, which appears at the end of these notes.

Note: The corners of this claim were set and numbered before tie was run to U.S.L.M. No. 486 H.E.S., when it was found that Cor. No. 1 of this survey was not the nearest corner of the claim to the location monument.

Lat. 33° 06' 03" N., Long. 109° 04' 18" W., from U. S. G. S. Topographic Sheet of Morenci Quadrangle.

Mag. decl. at 7h. a.m. is 13° 30' E., which gives a mean mag. decl. of 13° 27' E.

From the point determined by obsn. on Polaris at W. elong. last night, I turn off an angle of 35° 59' to the East. Thence N. 34° 38' E.

Along creek bottom land, through scattering oak.

Chains	timber.
6.70	Coal Creek, running water 4 lks. wide, 6 ins. deep, course NE.
7.50	To Cor. No. 2 Identical with cor. H-3 of the list survey, which is a limestone 14 x 10 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I de- stroy all trace of this list cor. Deposit a sandstone 5 x 5 x 2 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 10 x 8 ins. chiseled + for the point and 2 H E S 508 on South face; and raise a mound of stone 4 ft. base, 2 ft. high South of cor., whence: A live oak 6 ins. dia., bears S. 21° 40' E., 44 lks. dist. A pine 9 ins. dia., bears S. 61° 10' W., 153 lks. dist. Each marked 2 H E S 508 + B T.
	Thence S. 11° 09' E. Over creek bottom, through oak and pine timber.
0.50	Old channel Coal Creek (dry) 30 lks. wide, 2 ft. deep, course NE.
25.15	Cor. H-4 of the list survey, which is a lime-stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service, bears E. 3 lks. dist. I destroy all trace of this list cor.
43.93	To Cor. No. 3 Identical with cor. H-5 of the list survey, which is a limestone 18 x 6 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I de- stroy all trace of this list cor.

Chains	<p>Deposit a limestone 4 x 3 x 2 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 7 x 6 ins. chiseled + for the point and 3 H E S 508 on North face; and raise a mound of stone 4 ft. base, 2 ft. high North of cor., whence:</p> <p>A juniper 7 ins. dia., bears N. 66° 12' E., 59 lks. dist.</p> <p>A juniper 8 ins. dia., bears S. 4° 15' W., 12 lks. dist.</p> <p>Each marked 3 H E S 508 + B T. U.S.C.S. Bench Mark 5806 Bears N. 86° 15' 34" E. 106.20 chs. (See p-5)</p> <hr/> <p>Thence N. 38° 30' W.</p> <p>Over creek bottom, through pine timber and oak brush.</p> <p>0.50 Coal Creek, running water 3 lks. wide, 6 ins. deep, course N. 15° W.</p> <p>21.05 To Cor. No. 4.</p> <p>Identical with cor. H-1 of the list survey, which is a limestone 16 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.</p> <p>Deposit a limestone 4 x 3 x 2 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 12 x 8 ins. chiseled + for the point and 4 H E S 508 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high NE. of cor., whence:</p> <p>A pine 8 ins. dia., bears S. 1° 30' E., 39 lks. dist.</p> <p>A pine 8 ins. dia., bears N. 45° 00' W., 25 lks. dist.</p> <p>Each marked 4 H E S 508 + B T.</p> <hr/> <p>Thence N. 0° 58' E.</p> <p>Over creek bottom land, through pine and oak timber.</p>
--------	---

Chains

2.00

Arroyo, 15 lks. wide, 6 ft. deep (dry) course NE.

20.10

Arroyo, 10 lks. wide, 3 ft. deep (dry) course East.

20.48

To Cor. No. 1 and point of beginning.

March 11, 1917.

AREA

The area of this claim is 25.50 acres

IMPROVEMENTS

There are no improvements on the claim. Entryman was camping on claim at time of survey.

DESCRIPTION

The claim is situated in the canyon of Coal Creek. The soil is rocky and covered with boulders in places. About an acre in the southern part of the claim is in cultivation. The balance of the land is covered with dense oak brush and some scattering pine timber. Water is obtained for domestic purposes from Coal Creek a running stream which flows from South to North across-the land.

There is no timber of commercial value on the claim. No indications of mineral were observed on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts nor adjoining claims. H. E. S. 486 lies about 1/2 mile to SW. Clifton, Arizona, the nearest railroad point, is about 15 miles to the West by trail. Mule Creek, New Mexico, the nearest post office, is about 5-1/2 miles by wagon road in a North-easterly direction.

X
near the
makes it
1 mile
SW

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains	TRAVERSE						
	Cor.	Course	Dist.	N	S	E	W
1-2	N. 34° 38' E.	7.50	6.17			4.26	
2-3	S. 11° 09' E.	43.93			43.10	8.50	
3-4	N. 38° 30' W.	21.05	16.47				13.10
4-1	N. 0° 58' E.	20.48	20.48			.35	
		92.96	43.12	43.10		13.11	13.10
			43.10			13.10	
	Error in Lat. and Dep.		.02			.01	
Closing error 1:4157							

TIE to U.S.L.M. 486 H.E.S.

Course	Dist.	N	S	E	W
S. 38° 17' W.	69.60		54.55		45.06
N. 35° 53' W.	23.49	19.03			13.77
		19.03	54.55		56.83
			19.03		
			35.52		

Tie = S. 57° 59' 36" W., 67.02 chs.

Survey completed September 15, 1919.

L. C. Davis
Surveyor - Forest Service

H. 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. 508, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.			DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	N. 34° 38' E	7.50	6 17	43 11	4 26		4 96	30 60		
2-3	S. 11° 09' E	43.93	16 46	43 10	8 50		17 71		763 48	
3-4	N. 38° 30' W	21.05	16 47			13 10	13 10	215 63		
4-1	N. 0° 58' E	20.48	20 48		35		35	7 17		
		92.96	43 11	43 11	13 10	13 10		253 40	763 48	
			43 12	43 10	13 11	13 10			253 40	
				02		01			20 / 510 08	
									25 50 acres.	

Closing error 1:4157

DIRECTIONS.—1. Carry out calculations to two decimals only.

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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.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 508, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
			G.S.	B.M.					
TIE COR. 3.	508 TO U.S.								
N. 11-09 W.	43.93		43	10		8	50		
N. 13-00 E.	5.00		4	87	1	12			
N. 52-45 E.	6.62		4	01	5	27			
N. 27-15 E.	9.17		8	15	4	20			
N. 29-00 E.	6.61		5	78	3	20			
N. 16-45 E.	3.98		3	81	1	15			
N. 63-45 E.	7.14		3	16	6	40			
N. 89-30 E.	7.76			07	7	76			
N. 87-30 E.	6.56			29	6	55			
S. 30-30 E.	11.43				9	85			
S. 41-15 E.	8.49				6	38			
S. 75-15 E.	12.68				3	23			
N. 55-00 E.	4.61		2	64					
N. 9-45 E.	4.81		4	74					
N. 28-15 E.	4.91		4	33					
N. 55-45 E.	5.09		2	86					
S. 44-30 E.	10.07				7	18			
S. 11-30 W.	6.20				6	08		1	24
S. 12-00 E.	6.67				6	52		1	59
S. 47-15 E.	6.92				4	70		5	08
N. 84-30 E.	8.08			77				8	04
S. 64-30 E.	5.52				2	38		4	98

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. 508, STATE OF ARIZONA - APACHE

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	N. 59-30 E.	11.83	6 00		10 19				
	S. 44-30 E.	3.55		2 53	2 49				
	S. 6-45 W.	2.44		2 42		29			
	S. 61-30 W.	6.55		3 12		5 76			
	S. 2-00 W.	3.43		3 43		12			
	S. 42-00 E.	4.20		3 12	2 81				
	S. 53-00 E.	6.50		3 91	5 19				
	S. 54-00 E.	4.30		2 53	3 48				
	S. 40-30 E.	5.14		3 91	3 34				
	S. 16-00 W.	12.21		11 74		3 37			
	S. 9-32 E.	4.62		4 56	77				
		257.02	94 58	87 59	125 25	19 28			
			<u>87 59</u>		<u>19 28</u>				
			6 99		105 97				
	Resultant course, N. 86-13-34 E., 106.20 chs.								

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APPROVAL

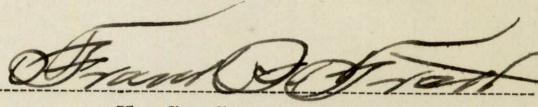
Office of the United States Surveyor General,

Phoenix, Arizona, April 24, 1920

The foregoing field notes of Homestead Entry Survey No.

508

executed by Lee C. Daves, and N. F. Newman, Surveyor ^{Draftsman} [Forest Service Title.]
under his special instructions, dated February 9, 1917, 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.