

ORIGINAL

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JAN 27 1919
APR 17 1920

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 488

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 13 , un surveyed, Township 2 S. , Range 29 E.

of the

Gila and Salt River Base & Meridian.

State of

ARIZONA

Applicant for listing **A. H. Slaughter,**
 Residence **Metcalf, Arizona**
 Application No. **62** , dated **May 23** , 1908
 List No. **3-17** , dated **January 22** , 1909

Applicant for survey *mid E. Hatten*
George F. Montgomery,
 Residence **Metcalf, Arizona**
 H. E. No. **040430** **025315** , dated *Sept. 5, 1918* **June 17** , 1914 *Rel. 7-31-16*
 Office **Phoenix, Arizona**
 Land District ~~District~~

Survey executed by **Lee C. Daves,** Surveyor - Forest Service
 [Forest Service Title.]
 Under special instructions dated **June 21** , 1916
 Survey commenced **April 7** , 1917
 Survey completed **April 8** , 1917
 Under Acts of **June 11, 1906 and August 11, 1916**

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Apache

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. **488**, 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. Ambrose, Chairman
John H. Callitt, Jr., Chairman

Subscribed and sworn to before me this **15th** day of
July, 1917

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
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. **3-17**, dated **January 22**, 1909, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **488**,
situated within the **Apache** National Forest, in
unsurveyed Section 13, Township **2 S.**, Range **29 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 survey.

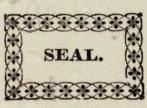
Lee Daves

Surveyor, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **fifth** day of
October, 1918

Ethel G. Myers

Notary Public.



8-2349

My Commission expires March 17, 1921.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains.

Applicant for listing A. H. Slaughter; Application No. 62, dated May 23, 1908; List No. 3-17, dated January 22, 1909; H. E. 025315, made in the Phoenix Land Office on June 17, 1914 by George F. Montgomery.

Surveyed under special instructions from the Surveyor General for Arizona, dated June 21, 1916 and designated as Homestead Entry Survey No. 488.

Situated in what will probably be, when surveyed, Sec. 13, T. 2 S., R. 29 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Note: The listing survey locates this claim in Sec. 3, T. 2 S., R. 29 E., which location is found to be in error by tie to the 1/4 cor. bet. Secs. 7 and 12, T. 2 S., Rs. 29 and 30 E., hereinafter described.

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

Survey commenced April 7, 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.

April 7, 1917.

At Cor. No. 1 of this claim, hereinafter described, Lat. $33^{\circ} 15' 45''$ N., Long. $109^{\circ} 18' 20''$ W., from Forest Service Base Map, I observe Polaris at W. Elongation at 6h. 23.4m. p.m., as follows:

Reference Mark: A bushy cedar tree on sky line about

TAPACHEMOUNT NATIONAL FOREST

STATE OF ARIZONA

Chains 1-1/2 miles distant in a Northeasterly direction.

Angles from star to mark by repetition.

1/4 (128° 29' 45") = 32° 07' 26"

1/6 (372° 44' 00") = 32° 07' 20"

1/2 (64° 14' 00") = 32° 07' 00"

Mean Angle = 32° 07' 15"

Azimuth of Star = 178° 38' 35"

Azimuth of Mark = 210° 45' 50"

Bearing of Mark is N. 30° 45' 50" E. or N. 30° 46' E.

April 7, 1917.

BOUNDARIES OF CLAIM

April 8, 1917.

Beginning at Cor. No. 1.

Identical with Cor. H-1 of the list survey, which is a basalt stone 8 x 10 x 12 ins. above ground, mkd.

and witnessed as described by the Forest Service. I

destroy all trace of this list cor. Deposit a basalt stone 3 x 3 x 3 ins. mkd. with a +, 14 ins. in the ground, over which set a basalt stone 24 x 8 x 6 ins., chiseled + for the point and 1 - H E S 488 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW.

of cor., whence:

A pinon, 6 ins. dia., brs. S. 5° 05' E.,

26 lks. dist.

A pinon 6 ins. dia., brs. S. 4° 50' W.,

24 lks. dist.

Each mkd. 1 H E S 488 + B T

The 1/4 sec. cor. bet. Secs. 7 and 12, T. 2 S.,

Rs. 29 and 30 E., which is an iron post with

brass cap mkd. and witnessed as described by

the Surveyor General, brs. N. 4° 46' 54" E.,

68.62 chains distant by

APACHE NATIONAL FOREST

STATE OF ARIZONA

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Chains

traverse which appears at the end of

these notes.

Lat. 33° 15' 45" N., Long. 109° 18' 20" W., from Forest

Service Base Map.

Mag. decl. at 7:00 a.m. is 13° 30' E., which gives the

mean mag. decl. as 13° 27' E.

Thence N. 45° 35' W.

Descend NW. slope through pinon and juniper.

4.20 Bottom 60 ft. desc. Pigeon Creek, running water 5 lks.

wide, course NE. Ascend 70 ft. to cor.

12.50 To cor. No. 2.

Identical with cor. H-2 of the list survey, which is

a basalt stone 12 x 12 x 8 ins. above ground, marked

and witnessed as described by the Forest Service. I

destroy all trace of this list cor. Deposit a sand-

stone 6 x 4 x 2 ins. marked with a +, 14 ins. in the

ground, over which set a sandstone 24 x 8 x 7 ins.

chiseled + for the point and 2 - H E S 488 on SE. face;

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

of cor., whence:

A pinon, 6 ins. dia., bears S. 52° 30' E.,

27 lks. dist.

A pinon, 7 ins. dia., bears S. 5° 10' W.,

25 lks. dist.

Each marked 2 H E S 488 + B T.

Thence S. 46° 12' W.

Over mesa, through scattering juniper and cedar.

18.25 Begin desc. E. and W. from mesa.

28.00 Wire fence bears E. and W.

29.20 Bottom 70 ft. desc. Enter Pigeon Creek from SW, course

N. 70° E., 50 lks. wide, water in holes.

32.25 Leave Pigeon Creek from W., course NE. Ascend.

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HOMESTEAD ENTRY SURVEY NO. 488

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STATE OF ARIZONA

Chains

37.00 Top 60 ft. asc. on E. end narrow ridge which bears E. and W. Desc. rocky slope...

41.00 Bottom 40 ft. desc. Arroyo 10 lks. wide, 3 ft. deep, course E. Asc. 70 ft. to cor.

46.65 To cor. No. 3. Identical with cor. H-3 of the list survey, which is a sandstone 16 x 12 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 6 x 3 x 3 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 8 x 6 ins., chiseled + for the point and 3 - H E S 488 on E. face; and raise a mound of stone 4 ft. base, 2 ft. high E. of cor., whence:

A juniper, 6 ins. dia., bears N. 49° 40' E.,

74 lks. dist., marked 3 H E S 488 + B T.

No other witnesses available. Pits impracticable.

Thence S. 47° 18' E.

Over mesa, through scattering juniper.

3.50 Begin desc. E. and W.

5.90 Bottom 90 ft. desc. E. and W.

11.60 Running stream 5 lks. wide, 6 ins. deep, N. Ascend 30 ft. to cor.

12.86 To cor. No. 4.

Identical with cor. H-4 of the list survey, which is a sandstone 14 x 8 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a quart of charcoal 14 ins. in the ground, over which set a sandstone 24 x 10 x 8 ins., chiseled + for the point and 4 - H E S 488 on W. face; and raise a mound of

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

stone 4 ft. base, 2 ft. high W. of cor., whence:

A pine, 30 ins. dia., bears N. 68° 10' E.,
13 lks. dist.

A juniper 5 ins. dia., bears S. 12° 50' E., 30
lks. dist.

Each marked 4 H E S 488 + B T.

Thence N. 45° 50' E.

Descend along NW. slope through scattering pine and
juniper.

36.00 Bottom 100 ft. desc. SW. end cultivated field; thence
along SE. edge of cultivated land.

44.00 NE. cor. cultivated field. Ascend 25 ft. to cor.

46.25 To cor. No. 1, and point of beginning.

AREA

Total Area - - - - - 58.82 acres

IMPROVEMENTS

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

A frame house, 26 x 18 ft., the long side extending
E. and W., the NW. cor. of which bears N. 52° 50' E.,
22.50 chs. dist. from cor. No. 3.

Value ----- \$1000.00

A frame shed 12 ft. square, the NW. cor. of which bears
N. 53° 25' E., 20.50 chs. dist. from cor. No. 3.

Value ----- \$ 20.00

A frame stable 32 x 16 ft., the long side extending E. and
W., the NW. cor. of which bears N. 56° 00' E., 19.10
chs. dist. from cor. No. 3.

Value ----- \$ 250.00

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STATE OF ARIZONA

Chains

DESCRIPTION

The claim is situated on Pigeon Creek.
There is no timber of any commercial value on the land.
About 25 acres lying along the creek may be cultivated.
Of this about 10 acres are in cultivation.
Water for domestic purposes and stock is obtained from Pigeon Creek.
There are no indications of mineral upon the land.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.
Metcalf, Arizona, the nearest post office and trading point; is 10 miles by trail in a Southerly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 45° 35' W.	12.50	8.75			8.93
2-3	S. 46° 12' W.	46.65		32.29		33.67
3-4	S. 47° 18' E.	12.86		8.72	9.45	
4-1	N. 45° 50' E.	46.25	32.22		33.18	
			118.26	40.97	41.01	42.63
					40.97	42.60
Error in Lat. and Dep.				.04	.03	

Closing error, 1:2365.

Tie from 1/4 sec. Cor. bet. Secs. 7 and 12, T. 2 S.,
Rs. 29 and 30 E. to Cor. No. 1.

Course	Dist.	N	S	E	W
South	3.00		3.00		
S. 5° 00' W.	65.63		65.38		5.72
		0.00	68.38	0.00	5.72

Tie is N. 46° 54" E., 68.62 chs. dist.

Survey completed April 8, 1917.

Note: Any discrepancy between this and the listing survey is due to error in the latter.

L. C. Jones

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.

8-2340 **TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 488**, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 45° 35' W	12.50	8 75	92 29	8 93	33 68	76 29	667 54	
2-3	S. 46° 12' W	46.65		32 29	33 67		33 68		1086 85
3-4	S. 47° 18' E	12.86	32 24	8 72	9 45	9 44	9 44		82 32
4-1	N. 45° 50' E	46.25	32 22	33 18	33 18	52 05	52 05	1678 09	
		118.26	40 97	41 01	42 63	42 60		2345 63	1169 17
			40 99	40 99	42 61	42 61		1169 17	
			04			03		20/1176 46	
								58 82	acres.

Closing error 1;2365

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APPROVAL

Office of the United States Surveyor General,

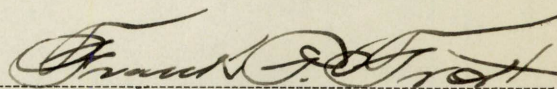
Phoenix, Arizona, April 14, 1920

The foregoing field notes of Homestead Entry Survey No.

488

executed by Lee C. Daves, Surveyor,
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.

[Forest Service Title.]



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.