

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 216

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 31 , unsurveyed, Township 2 N., Range 28 E.
In Section 32 , unsurveyed, Township 2 N., Range 28 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA.

Applicant for listing Pete Cornett
Residence Metcalf, Arizona
Application No. 172 , dated August 14 , 19 11
List No. 3-1515 , dated October 21 , 19 11

Applicant for survey Pete Cornett
Residence Metcalf, Arizona
H. E. No. 018492 , dated July 15 , 19 12
Office
Land District Phoenix, Arizona.

Survey executed by Lee C. Daves Surveyor - Forest Service
[Forest Service Title.]
Under special instructions dated August 6 , 1914 and
supplemental special instructions dated June 21 , 1916
Survey commenced March 29 , 19 17
Survey completed March 30 , 19 17
Under Acts of June 11, 1906 and August 11, 1916

86

316

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. **216**, 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
assistants; hence, they
were taken by the surveyor.

P. J. Ambrose, Chairman
John H. Collett Jr.
Chairman

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

Luc Davis
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
August 6, 19 **14**, 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. 3-1515**, dated **October 21, 1911**, and a
tract of land upon the application of **Pete Cornett**,

Application, No. **172**, dated **August 14**, 19 **11**, for **listing**
and PATENT, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **216**,
situated within the **APACHE** National Forest, in
unsurveyed Section 31, Township **2 N.**, Range **28 E.**, and
unsurveyed Section 32, Township **2 N.**, Range **28 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 survey.

Luc Davis
Surveyor - Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **fourth** day of
September, 19 **18**.

Evelyn Myers
Notary Public.



8-2349

My Commission expires **March 17, 1921**.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Pete Cornett; Application No. 172, dated August 14, 1911; List No. 3-1515, dated October 21, 1911; H. E. 018492, made in the Phoenix Land Office on July 15, 1912 by Pete Cornett.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for Supplemental and Amendatory listing and entry. This is therefore a Composite Survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated August 6, 1914, and supplemental special instructions, June 21, 1916, and designated as Homestead Entry Survey No. 216.

Situated in unsurveyed Secs. 31 and 32, T. 2 N., R. 28 E., Gila and Salt River Base and Meridian, within the Apache National Forest, Arizona.

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

Survey commenced March 29, 1917 and executed with a Buff and Buff transit No. 9702, equipped with Smith solar attachment.

I test the adjustments of the transit and made 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 29, 1917.

At the cor. Secs. 5, 6, 31 and 32, Ts. 1 and 2 N., R. 28 E., hereinafter described, Lat. $33^{\circ} 28' 10''$, Long. $109^{\circ} 28' 38''$, from Forest Service Base Map. I observe

Chains
 Polaris at W. elong. at 6h: 58.8m. p.m., 1.m.t.
 Reference mark: a dead tree on mountain about 2 1/2 miles dist. in a northwardly direction.
 Angles by repetition from star to mark. (mark W. of star).
 1. 1/6 (23° 51' 15") = 3° 58' 32", 3 direct and 3 reverse.
 2. 1/4 (15° 55' 15") = 3° 58' 44", 2 direct and 2 reverse.
 Diff. bet. obsns. 0' 12".
 Azimuth of Pol. at W. elong. 1° 21' 32" W.
 Mean angle star to mark 3° 58' 38"
 Azimuth of Mark N. 5° 20' 10" W.
 Accept the bearing as N. 5° 20' W., from which all courses of this survey are determined by angulation.
 March 29, 1917.

March 30, 1917.

RETRACEMENT.

From cor. of Secs. 5, 6, 31 and 32 on N. bdy., Ts. 1 N and 2, R. 28E., hereinafter described.
 Thence East.

Retracing line bet. Secs. 5 and 32, W/2.
 40.06 Falls 20 lks. S. of the 1/4 sec. cor. bet. Secs. 5 and 32, which is an iron post 1 in. dia. showing 12 ins. above ground, with brass cap marked 1913 on S. rim; S 32 1/4 on N. and S 5 on S. half, witnessed as described by the Forest Service.
 True line is S. 89° 43' W., 40.06 chs.

From the cor. Secs. 5, 6, 31 and 32 above mentioned.
 Thence West.

Retracing line bet. Secs. 6 and 31, E/2.
 39.98 Falls 2 lks. N. of the 1/4 sec. cor. bet. Secs. 6 and 31, which is an iron post 1 in. in dia., set in a mound of stones, with brass cap marked 1913 on S rim; S 31 1/4 on N. and S 6 on S. half, witnessed as described by the Surveyor General.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

True line is S. 89° 58' W. 39.98 chs.

BOUNDARIES OF CLAIM.

Beginning at Cor..No. 1.

Identical with the cor. of Secs. 5, 6, 31 and 32, on N. bdy. T. 1 N., R. 28 E., which is an iron post 2 ins. in dia., showing 12 ins. above ground, with brass cap marked 1913 on S. rim; T. 2 N on N., R 28 E on W., T. 1 N on S. half, S 32 in NE., S 5 in SE., S 6 in SW and S 31 in NW. quadrants, witnessed as described by the Surveyor General. I adopt same for Cor. No. 1 of this survey and alongside to North set a sandstone 26 x 14 x 10 ins. 16 ins. in the ground, marked 1 H E S 216 on N. face, whence from Cor.:

A pinon 5 ins. dia., bears N. 55° 55' E. 71 lks. dist., marked T 2 N R 28 E S 32 B T.

A pinon 5 ins. dia., bears S 37° 25' E., 38 lks. dist. marked T 1 N R 28 E S 5 B T.

A pinon 7 ins dis., bears S. 68° 25' W., 22 lks. dist. marked T 1 N R 28 E S 6 B T.

A juniper 10 ins. dia., bears N. 8° 45' W., 50 lks. dist. marked T 2 N R 28 E S 31 B T.

To each tree I add 1 H E S 216.

Lat. 33° 28' 10" N., Long. 109° 28' 38" W., from Forest Service Base Map.

Mag. decl. at 10:30 a.m., 14° 02' E. Mean Mag. decl. 14° 02' E.

Thence S. 89° 58' W.

Along line bet. Secs. 6 and 31, through scattering pinon and juniper timber.

.03 Pole fence, bears N. and S. SE. Cor. bears S. 2 lks. dist.

.18 Pole fence, bears N. and S.

.64 Pole fence, bears N. and S.

TRAPACHE NATIONAL FOREST

STATE OF ARIZONA

Chains 2.00	Wire fence, bears N. 85° W. and S. 85° E.
4.30	Forest Service trail, bears NW. and SE.
10.01	To Cor. No. 2 and Closing Corner on line bet. Secs. 6 and 31.
	Deposit a sandstone 4 x 3 x 3 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 10 x 8 ins., chiseled + for the point, C C on N. and 2-H E S 216 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high NE. of cor., whence: A pinon, 6 ins. dia., bears N. 54° 50' E. 35 lks. dist., marked 2 H E S 216 + B T. A pinon 6 ins. dia., bears S. 50° 50' E. 28 lks. dist. marked 2 H E S 216 + B T. Cor. Secs. 5, 6, 31 and 32, heretofore described bears N. 89° 58' E. 10.01 chs. 1/4 Sec. cor. bet. Secs. 6 and 31, heretofore described, bears S. 89° 58' W. 29.97 chs.
	Thence N. 0° 58' W. Along E. slope through thick juniper and pinon. 5.00' Top 30 ft. asc. on E. slope. Desc. 25 ft. to cor. 9.96 To Cor. No. 3. Deposit a sandstone 4 x 2 x 2 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 18 x 6 ins. chiseled + for the point and 3-H E S 216 on SE. face; and raise a mound of stone 4 ft. base 2 ft. high SE. of cor., whence: A juniper 12 ins. dia., bears S. 35° 40' W. 28 lks. dist., marked 3 H E S 216 + B T. A pinon 6 ins. dia. bears N. 61° 55' W. 54 lks. dist. marked 3 H E S 216 + B T.
	Thence N. 89° 43' E. Asc. along N. slope through juniper and pinon timber.

Chains	with oak and mahogany brush.
0.60	Top 10 ft. asc. Desc. abruptly along NE. slope.
4.20	Trail, bears N. 60° W. and S. 60° E.
5.60	Bottom 95 ft. desc. NW. and SE. Thence over creek bottom.
7.80	Middle of Eagle Creek, running water 40 lks. wide, 1 ft. deep, course SE.
11.40	Wire fence, bears N. and S. Enter cultivated land.
13.30	Leave cultivated land. Wire fence, bears N. and S. Begin asc. of 90 ft. to cor. Leave creek bottom.
16.92	To Cor. No. 4. Point falls on a sandstone in place, shows 48 x 30 x 20 ins. above ground; chisel same stone + on top for the point and 3 H E S 216 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor., whence: A juniper, 7 ins. dia., bears N. 41° 20' E., 22 lks. dist., marked 4 H E S 216 + B T. A pinon, 10 ins. dia., bears N. 42° 30' W., 56 lks. dist., marked 4 H E S 216 + B T.
	Note: It was impracticable to place the mound upon the claim.

	Thence S. 7° 00' E. Desc. 60 ft. along SW. slope.
3.00	Bottom desc. on SW. slope. Asc. 40 ft. to cor.
10.06	To Cor. No. 5 and C C on line bet. secs. 5 and 32. Deposit a sandstone 4 x 4 x 2 ins., marked with a + 20 ins. in the ground, over which set a sandstone 30 x 16 x 6 ins. chiseled + for the point and 5 H E S 216 on NW. face; C C on N.; and raise a mound of stone 4 ft. base, 2 ft. high N. 7° W. of cor., whence: A pinon, 5 ins. dia., bears N. 18° 35' E., 37 lks. dist. A pinon, 10 ins. dia., bears S. 69° 00' E., 16 lks. dist.

6.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

Each marked 5 H E S 216 + B T.

Cor. Secs. 5, 6, 31 and 32, heretofore described, bears S. 89° 43' W., 7.90 chs.

The 1/4 sec. cor. bet. Secs. 5 and 32, heretofore described, bears N. 89° 43' E., 32.16 chs.

Thence S. 89° 43' W.

Along line bet. Secs. 5 and 32. Desc. steep and rocky W. slope through pinon and juniper.

3.00 Bottom 110 ft. desc. Thence over creek bottom.

5.00 Eagle Creek. Running water, 40 lks. wide, 1 ft. deep, course SW. Asc. 100 ft. to cor. Leave creek bottom.

7.90 To Cor. No. 1 and point of beginning.

That portion of List 3-1515 in secs. 5 and 6, T. 1 N., R. 28 E., will be amended to embrace the following legal subdivisions: W/2 Lot 4, sec. 5 and NE/4 Lot 1, sec. 6.

AREA

Area - - - - - 17.39 acres

Note: After careful search I am unable to find any corners of the listing survey and it is therefore impracticable to compute the listed and unlisted area in this survey.

IMPROVEMENTS

The improvements made upon this claim consist of the following:

A pole and shake barn, 20 x 16 ft., the long side extending N. and S., and the SE. cor. of which bears from cor. No. 1, N. 33° W., 50 lks. dist.

Value - - - - - \$200.00

HOMESTEAD ENTRY SURVEY NO. 216

APACHE NATIONAL FOREST

7.9

STATE OF ARIZONA.

Chains A pole and shake cabin, 18 x 16 ft., the long side extending N. and S. and the SE. cor. of which bears from cor. No. 1, N. 0° 57' W., 4.12 chs. dist.

Value - - - - - \$200.00

Approximately 1/2 mile of wire fence.

Value - - - - - \$125.00

DESCRIPTION

This claim is situated on Eagle Creek and is comprised of approximately 2 acres of cultivated land in the creek bottom, while the remainder is mesa land covered with scrub oak and suitable only for grazing.

The soil on the cultivated portion is a silt loam and produces good crops.

Water for all purposes is obtained from Eagle Creek, which crosses the claim from N. to S. An irrigation ditch has been dug on this claim, but owing to recent floods had been entirely washed out.

There is no timber of commercial value on this claim. I saw no indication of mineral on the ground.

CONFLICTS AND ADJOINING CLAIMS

There are neither conflicts nor adjoining claims.

Metcalf, Arizona, the nearest post office, railroad and market point, lies in a Southerly direction and is reached by 55 miles of mountain trails.

Cor.	Course	TRAVERSE				
		Dist.	N	S	E	W
1-2	S. 89° 58' W.	10.01		.01		10.01
2-3	N. 0° 58' W.	9.96	9.96			.17
3-4	N. 89° 43' E.	16.92	.08		16.92	
4-5	S. 7° 00' E.	10.06		9.99	1.22	
5-1	S. 89° 43' W.	7.90		.04		7.90
		54.85	10.04	10.04	18.14	18.08
			10.04		18.08	
Error in Lat. and Dep.			.00		.06	

ok oct.

Chains Survey completed March 30, 1917.

The changes made in this survey meet with the approval of the entryman.

Value - - - - -

Approximately 1/2 mile of wire fence.

Leah Jones
Surveyor - Forest Service

DESCRIPTION

This claim is situated on Eagle Creek and is comprised of approximately 3 acres of cultivated land in the creek bottom, while the remainder is mesquite land covered with scrub oak and suitable only for grazing. The soil on the cultivated portion is a silt loam and produces food crops. Water for all purposes is obtained from Eagle Creek which crosses the claim from N. to S. An irrigation ditch has been dug on this claim, but owing to recent floods had been entirely washed out. There is no timber of commercial value on this claim. I saw no indication of mineral on the ground.

COMMENTS AND ADJOINING CLAIMS

There are neither conflicts nor adjoining claims. Located, Arizona, the nearest post office, railroad and market point, lies in a southerly direction and is reached by 35 miles of mountain trails.

Course	Dist.	S	E	W
1-2	2.89° 38' W.	10.01	01.	10.01
2-3	0° 58' W.	9.98	9.98	10.01
3-4	2.89° 48' E.	10.08	10.08	10.01
4-5	2.7° 00' E.	10.08	9.98	10.01
5-1	2.89° 48' W.	7.90	04.	7.90
Error in Lat. and Dep.		04.88	10.04	10.04
		10.04	10.04	10.08
		00.	00.	00.

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.
 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. 216, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.			DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	S. 89°58' W.	10.01		01		10 01		10 38			10
2-3	N. 0°58' W.	9.96	9 96		16 90	18 17		18	1 79		
3-4	N. 89°43' E.	16.92	08		16 92			16 90	1 35		
4-5	S. 7°00' E.	10.06		9 99	1 22			35 01		349 75	
5-1	S. 89°43' W.	7.90		04		7 90		28 31		1 13	
		54.85	10 04	10 04	18 14	18 08			3 14	350 98	
			10 04	10 04	18 11	18 11				3 14	
										20) 347 84	
										17 39	Acres
	Closing error 1:914										checked O.C.T.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 4, 1919

The foregoing field notes of Homestead Entry Survey No.

216

executed by *Lee C. Daves, Surveyor.*

[Forest Service Title.]

under his special instructions, dated *August 6*, 1914, having
and supplemental special instructions dated June 21, 1916
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.