

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUN 28 1915
MAY 26 1916
JUN 10 1916

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 233

SITUATED IN THE

APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 7, un surveyed, Township 2 S., Range 32 E.

Section 18, un surveyed, Township 2 S., Range 32 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA.

Survey executed by Lee C. Daves, Surveyor-Forest Service

Under special instructions dated August 6, 1914

Survey commenced January 4, 1915

Survey completed January 5, 1915

Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing N. B. Coalson,

Residence Alma, New Mexico.

Application No. 152, dated July 28, 1911

List No. 3-1552, dated November 2, 1911

Applicant for survey N. B. Coalson,

Residence Alma, New Mexico.

H. E. No. _____, dated _____

Land district Phoenix, Arizona.

OATH OF ASSISTANTS

We hereby certify that we assisted Lee C. Daves
Surveyor - Forest Service in surveying all those
parts or portions of Homestead Entry Survey No. 233, in
un surveyed Sections 7 & 18 Township 2 S., Range 32 E.,
-- surveyed Section --, Township --, Range --,

of the G. & S.R.B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey has been in all respects, to the best of our knowledge
and belief, well and faithfully surveyed, and the corner
monuments established, according to the instructions fur-
nished 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.

Wm R. Wanner Chainman.
Fred Turley Chainman.

Subscribed and sworn to before me this 6th. day of
February, 1915.

Lee C. Daves
Surveyor - Forest Service.

OATH OF SURVEYOR

I, Lee C. Daves, Surveyor - Forest Service, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
August 6, 1914, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of land ~~upon the application of~~ embraced in
List, No 3-1552, dated November 2, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 233,
situated within the Apache National Forest, in
un surveyed Sections 7 & 18, Township 2 S., Range 32 E., and
-- surveyed Section --, Township --, Range --,

of the G. & S.R.B. & 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 perpet-
uated in strict accordance with the stated special instruc-
tions, 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.

Subscribed and sworn to before me this 13th day of
February, 1915.

A. S. Haston
Notary Public
My Commission Expires Jan. 24, 1916



APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, N. B. Coalson; Application No. 152, dated July 28, 1911; List No. 3-1552, dated November 2, 1911.

Surveyed under special instructions from the Surveyor General for Arizona, dated August 6, 1914, and designated as Homestead Entry Survey No. 233.

Situated in what will probably be, when surveyed, secs. 7 and 18, T. 2 S., R. 32 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under Acts of June 11, 1906 and June 30, 1914.

Survey commenced January 4, 1915, and executed with a Buff and Buff Transit No. 9702, with Smith solar attachment.

Preliminary to beginning the survey, I examine the adjustments of the transit and make the necessary corrections.

No stadia used.

Horizontal measurements made with a 500 link steel tape directly on the slopes which were determined by clinometers and the measurements reduced to the horizontal.

January 4, 1915.

At cor. No. 1 of this claim, identical with cor. No. 1 of list survey, Lat. $33^{\circ} 15' .7$, Long. $109^{\circ} 05' W.$, at 12h. 35m. a.m., l.m.t., I observe Polaris at Western Elongation and mark the direction thus determined by a tack in a hub firmly set in the ground 4 chs. Northwardly of my station.

January 4, 1915.

At 7:30 a.m., I turn off the azimuth of Polaris $1^{\circ} 22'$

Chains

to the East and mark the meridian thus determined by
a tack in a stake firmly set in the ground East of the
point established last night.

At 8h. 00m. a.m., local apparent time, I set off $33^{\circ} 16'$
on the lat. arc, $22^{\circ} 45'$ South on decl. arc, and deter-
mine a meridian with the solar at cor. No. 1 of this
survey, which agrees with the meridian previously es-
tablished by Polaris observation within about one-half
minute of arc.

There being no Public Land corner within two miles of
this claim, I establish the U. S. Land Monument No.
233 H. E. S. on the summit of a low peak on the East
side of Coalson Canyon as follows: Set a granite
stone 30 x 24 x 10 ins., 8 ins. in the ground on solid
rock, marked U S L M 233 H E S on S. face and + on top;
and raise a mound of stones 6 ft. base and 4 ft. high
N. of monument. From this U. S., L. M. No. 233 H. E. S.
The N. edge of Flat Top Mt. bears S. $64^{\circ} 44'$ E.,
about 3 miles distant.
The summit of Sun Set Peak bears S. $42^{\circ} 32'$ W.,
about 12 miles distant.

No trees or other bearings available. Pits

impracticable.

Beginning at cor. No. 1.
Identical with list corner No. 1, which is a granite
stone 12 x 12 x 12 ins. set in a mound of stones and
marked and witnessed as described by the Forest Ser-
vice. I destroy all trace of this corner and in its
place set a granite stone 26 x 8 x 6 ins., 8 ins. in

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains	<p>the ground on solid rock in a mound of stones marked 1-HES233 on NW. face and + on top from which:</p> <p>No bearings available. Pits impracticable.</p> <p>U. S. L. M. No. 233 H. E. S. bears N. 50° 28' W. 9.71 chs. dist.</p> <p>The N. edge of Flat Top Mt. bears S. 65° 06' E. about 3 miles distant.</p> <p>The summit of Sun Set Mt. bears S. 43° 00' W. about 12 miles distant.</p> <p>At 8 a. m. at cor. No. 1 of this survey the magnetic variation is 13° 45' E. which gives the mean mag. var. as 13° 44' E.</p> <p>Lat. 33° 15'.7 by obsn. Long. 109° 05' W. from special instructions from the Surveyor General.</p>
	<p>Thence West.</p> <p>Asc. along SE. slope.</p>
1.70	Trail bears N. and SW.
7.00	Top asc. 20 ft. above cor. No. 1, ridge bears N. and S. desc. abruptly into Coalson Canon. Enter dense oak brush on W. slope.
29.00	Bottom desc. 520 ft. below top ascent. Coalson Creek running water 7 lks. wide course S. This line crosses canyon just South of where a small canyon comes in from N. 10° E. Begin Asc. of rocky East slope.
40.00	To cor. No. 2.
	<p>Identical with cor. No. 4 of list survey which is a malpais stone 12 x 8 x 5 ins. set in a mound of stones marked and witnessed as described by the Forest Service. I destroy all trace of list cor. and in its place set a granite stone 30 x 26 x 20 ins. on solid rock in a mound of stones marked 2-HES233 on NE. face</p>

Chains

and + on top, from which:

The U. S. L. M. No. 233 H. E. S. bears N. 79° 14'

E. about 33 chs. dist.

No trees or other bearings available, pits impracticable and slope too steep for a mound.

This cor. is 400 ft. above bottom of Coalson Canon.

Thence North.

Desc. 350 ft. along E. slope through dense oak brush.

40.00 To cor. No. 3.

Set a granite stone 26 x 14 x 12 ins. on solid rock in a mound of stones marked 3-HES233 on SE. face and + on top from which:

Gambel oak 6 ins. in diam. bears S. 78° 30' E.

9 lks. dist. marked 3 H E S 233 B T.

Cedar 10 ins. in diam. bears N. 61° 00' W. 33 lks.

dist. marked 3 H E S 233 B T.

After diligent search no signs of old cor. are found.

This cor. is 20 ft. above bed of Coalson Canon.

January 4, 1915.

At this cor. above described, I set off 22° 46' S. on decl arc, and at local apparent noon obs. the sun on the meridian, the resulting latitude is 33° 16' N.

Thence East.

Desc. 20 ft. into Coalson Canon, through dense oak brush and scattering trees.

1.50 Bottom in Coalson Creek (dry) 60 lks. wide, course S. 10°

E. asc.

12.00 Top asc. 200 ft. above Creek on low ridge N. and S.,

400 lks. N. of a low saddle. Desc.

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Chains
 19.70 Bottom canon 50 ft. deep, course S. asc. steep W. slope.
 34.50 Top asc. 600 ft. above Coalson Creek. Trail along ridge
 bears N. and S. desc. leaving brush on W. slope.
 40.00 To cor. No. 4.
 Set a granite stone 26 x 20 x 16 ins. on solid rock in
 a mound of stones marked 4-HES233 on SW. face and +
 on top and raise mound of stone 4 ft. base 2 1/2 ft.
 high SW. of cor. from which:
 Juniper 14 ins. in diam. bears S. 51° 15' W. 85
 lks. dist. marked 4 H E S 233 B T.
 No other trees or bearings available and pits im-
 practicable.
 After diligent search no signs of list cor. are found.

Thence South for a flag on cor. No. 1 which is plainly
 visible.
 Desc. 70 ft. along E. slope.
 23.00 Bottom desc. Drain course SE. asc. along E. slope.
 36.00 Top 50 ft. asc. thence along side hill.
 40.00 To cor. No. 1, the point of beginning.

AREA.

Total Area - - - - - 160 acres.

January 4, 1915.

At cor. No. 1 of this survey at 6 h. 35 m. p.m.,
 1.m.t. I observe Polaris at upper culmination for lat-
 itude with the telescope direct and reversed, the mean
 vertical angle is 34° 25'.4 which gives the latitude
 33° 15'.7

January 5, 1915.

6.

Chains

At cor. No. 1 above mentioned at 12 h. 31 m. a.m.,
 1.m.t. I again observe Polaris for azimuth at W. Elong.
 and mark the direction thus determined on the same
 stake used before. This mark falls .025 ins. E. of
 the tack previously set. The difference between these
 two determinations of the meridian being less than the
 probable errors of the observations I conclude the
 meridian satisfactorily established.

IMPROVEMENTS.

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

A one room hut, part stone and part dug-out, 12 ft. E.
 and W. by 9 ft. N. and S. The NW. cor. of this hut

bears S. 33° 00' E. 8.57 chs. dist. from cor. No. 3 of
 this survey.

Value - \$ 25.00

A corral 60 ft. in diam., the center of which bears S.
 45° 00' E. 6.80 chs.

Value - \$ 50.00

An orchard of 6 peach and 6 apple trees, 4 years old,
 S. about 250 lks. from house.

Value - \$ 100.00

DESCRIPTION.

This claim is situated in what is known as Coalson Canon
 which heads on the S. slope of the Southern one of
 Bullard Peaks and runs S. into the San Francisco
 River, about 2 miles S. of this claim.

Approximately 3 acres are in cultivation and about 10
 could be cultivated. The soil along the creek bottom

THE APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

is from 4 to 6 ft. deep and fairly good. On the slopes there is little or no soil. Most of the claim is covered with good grass, and dense oak brush and there are a few walnut trees along the creek. There are two springs on the claim, one 100 lks. W. of the house, the other about 10 chs. E. There are no indications of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims.

TRAVERSE.

Course.	Dist.	N.	S.	E.	W.
North	40.00	40.00			
East	40.00			40.00	
South	40.00		40.00		
West	40.00				40.00
	160.00	40.00	40.00	40.00	40.00

Error in Lat. and Dep. 0.

Closing error 0.

Survey completed January 5, 1915.

Lucas
Surveyor-Forest Service.

NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

is from 4 to 6 ft. deep and fairly good. On the
slopes there is little or no soil. Most of the claim
is covered with good grass, and dense oak brush and
there are a few walnut trees along the creek.
There are two springs on the claim, one 100 yds. N. of
the house, the other about 10 chs. E.
There are no indications of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.
There are no conflicts or adjoining claims.

TRAVEL

Course.	Dist.	N.	S.	E.	W.
North	40.00	40.00			
East	40.00		40.00		
South	40.00		40.00		
West	40.00				40.00
	160.00	40.00	40.00	40.00	40.00

Error in lat. and Dep. 0.
Closing error 0.
Survey completed January 5, 1915.

Surveyor-General Service.

