FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 232.
SITUATED IN THE
APACHE NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3
in
Section 7, unsurveyed, Township 2 S., Range 32 E.
Section 18, unsurveyed, 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.

Applicant for listing N. B. Coalsen.
Residence Alma, New Mexico.
Application No. 152, dated July 28, 1911.
List No. 3-152, dated November 2, 1911.
Applicant for survey N. B. Coalsen.
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. 223 in unsurveyed Sections 7 & 18 Township 2 S., Range 3E 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 survey 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 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.

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

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, surveyed a tract of land embraced in Patent No. 223, dated November 2, 1911, for the same to be known as Homestead Entry Survey No. 223, situated within the Apache National Forest, in unsurveyed Sections 7 & 18, Township 2 S., Range 3E 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 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.

Subscribed and sworn to before me this 13th. day of February, 1915.
Homestead Entry Survey No. 233
Apache National Forest
State of Arizona

Chains: Applicant for listing, N. E. Coalson; Application No. 162, dated July 28, 1911; List No. 3-1652, 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.


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° 15' 7", Long. 109° 06' W., at 12h. 35m. a.m., l.m.t., I observe Polaris at Western Elongation and mark the direction thus determined by a stake 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° 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° 16' on the lat. arc, 22° 43' South on decl. arc, and determine a meridian with the solar at cor. No. 1 of this survey, which agrees with the meridian previously established 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 Goelson 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 Mts. bears S. 64° 44' E., about 3 miles distant. The summit of Sun Set Peak bears S. 42° 32' W., about 12 miles distant.

No trees or other bearings available. Fits 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 Service. I destroy all trace of this corner and in its place set a granite stone 28 x 8 x 6 ins., 8 ins. in
the ground on solid rock in a mound of stones marked

1-HES235 on NW. face and + on top from which:

No bearings available. Fits impracticable.

U. S. L. M. No. 233 H. E. S. bears N. 50° 28' W.
9.71 chs. dist.

The N. edge of Flat Top Mt. bears S. 65° 05' E.
about 3 miles distant.

The summit of Sun Set Mt. bears S. 43° 00' W.
about 12 miles distant.

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.

Lat. 33° 15'.7 by obsn. Long. 109° 05' W. from special
instructions from the Surveyor General.

Thence West.

Asc. along SE. slope.

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 cross-
es 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.

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 Ser-
vice. 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-HES225 on NE. face

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Chains

and on top, from which:

The U. S. L. M. No. 233 R. E. S. bears N. 79° 14'.
E. about 33 obs. 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. 250 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 2-HES23 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, the sun on the meridian, the resulting latitude is 33° 15' 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.
CHAINS
19.70 Bottom canon 50 ft. deep, course S. asc. steep W. slope.
34.50 Top asc. 600 ft. above Coolson 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-HE233 on SW. face and +
on top and raise mound of stone 4 ft. 2 1/2 ft. high SW. of cor. from which:

Juniper 14 ins. in dism. bears E. 51° 15' W. 86
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.

Then go 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.

Total Area- - - - - - - - - - - - - - - - - - - - - - - - 160 acres.

January 4, 1915.

January 5, 1915.
At cor. No. 1 above mentioned at 12 h. 31 m. a.m., I again observer Polaris for azimuth at W. Elong., and mark the direction thus determined on the same stake used before. This mark falls 0.25 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, 16 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...
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.

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

Surveyor-Forest Service.
Form 85.
Sheet No. 3.—Revised Feb., 1912.

Directions.—1. Carry out calculations to two decimals only.
2. In balancing Latitudes and Departures do not obliterate or change the original figures.
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.

N. E. COALSON.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. .233., STATE OF ARIZONA.

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APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, June 12, 1916.

The foregoing field notes of Homestead Entry Survey No. 233

executed by Walter G. Turley, Surveyor, Forest Service
under his special instructions, dated August 6, 1914, 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 Arizona, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.