

SURV. OF SEC'S 21 and 28

Tp. 18 S., R. 24 E.

Rockfellow.

BOOK 950

No. 950

4-671

FIELD NOTES
GENERAL LAND OFFICE.

950

BOOK 950

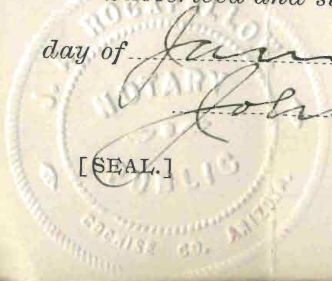
Preliminary Oaths of Assistants.

We, Earl Austin
and G.W. Stevenson
do solemnly swear that we will well and faithfully
execute the duties of Chain Carriers; that we will
level the chain upon even and uneven ground, and
plumb the tally pins, either by sticking or dropping
the same; that we will report the true distance to
all notable objects, and the true lengths of all lines
that we assist in measuring, to the best of our skill
and ability, and in accordance with instructions
given us, in the survey of the Subdi-
vision lines of
Tp 18 S. R 24 E

of the Gila and Salt River Base and Meridian in
the Territory of Arizona.

Earl Austin Chainman.
G.W. Stevenson Chainman.
Chainman.
Chainman.

Subscribed and sworn before me, this 20
day of Jan 189 1902
John A. Rockfellow
Notary Public.



We, *J. W. Collier, A. C. Carben*

and John Lemmons

do solemnly swear that we will well and truly perform the duties of *Flagman*

Woundman & Axeman

in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the

subdivision lines

of T. & B. S. R. 24 E

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

J. W. Collier

A. C. Carben

John Lemmons

Subscribed and sworn to before me this *20*

day of *Jan*

1899 1907

John A. Rockwell
Notary Public.

Field Notes
of the survey of
Sections 21 and 28
Township No. 18 S. Range No. 24 E.
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
John A. Rockfellow
U. S. Deputy Surveyor
Under Special Instructions
dated Nov. 7, 1901
In connection with
Contract No. 82
dated May 23, 1901

Survey commenced Jan. 20, 1902
Survey completed Jan. 21, 1902

3A

BOOK 950

Survey of secs 21 + 28

Names of Assistants

Carl Austin Chairman

G.W. Stevenson "

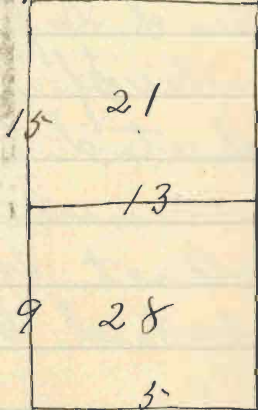
J.W. Collins Flagman

A.C. Carlsen Woodman

John Lemons Axeman

BOOK 950

Tp 18 S. R. 24 E.



BOOK 950

Dr 18 S. R. 24 E No. 950

Survey secs 21 and 28

Survey commenced Jan. 20, 1902 and executed with a Young & Sons Mountain Transit No. 685-5; with Smith Solar Attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of latitude and declination arcs.

The instrument was examined & tested on the true meridian at Tucson, found correct, and approved by the Surveyor

The 18 S. R. 24 E

General for Arizona
May, 10, 1901.

I examine the adjustments of the transit on Jan. 18, 1902. And to test the solar apparatus, I set the instrument up on a meridian established by me near Black Diamond Mine on a previous occasion. Both A. M. and P. M. observations agree with the meridian mentioned.

Jan 20th

At the cor of secs 27, 28, 33 + 34
A limestone marked and
witnessed as described
by the Surveyor General,
at 8th - 30^{min} A. M. with

Survey Secs 21 and 28
chains

lat. arc $31^{\circ}49\frac{1}{2}'$ N. and
declination arc $20^{\circ}11'S$. I
establish a meridian
with Solar.

The $\frac{1}{4}$ Sec. cor. bet secs
27 and 28 is visible and
bears N. $0^{\circ}2'$ W.

Var. $12^{\circ}35'E$

Thence I run

W. bet secs 28 and 33

Over rolling ground

.70 Road South Pass to Black
Diamond brs N. N. W. + S. S. E.

10.90 Gulch 15 ~~lks~~ side brs ~~W. N.~~ N.

15.00 Ascend N. slope of mountain

24.75 Pt. whence a rock monument
brs S. 2 lks.

37.10 Porphyry reef 6 ft. high
brs S. S. E. + N. N. W.

40.00 Set a porphyry rock 18x

Tr 18 S. R. 24 E.

chre

8x6 ins, 12 ins in ground
for 1/4 sec. cor. marked
1/4 on N. face; raise a
mound of stone 3 ft base
2 ft high N. of cor.

Pits impracticable

40.50

Deep gulch 20 lks wide

brs N: thence

Ascend steep slope of gulch
and over rough moun-
tainous land.

76.70

A monument on line
on high ridge, which brs
S.W. and N.E, whence
Dos Cabezas Peak brs
N. $33^{\circ} 14' E$,

Town of Cochise brs
N. $1^{\circ} 40' W$.

New office building of
Black Diamond Copier

Survey Secs 21 and 28
chs

Mining Co. Brs N. $32^{\circ}-38^{\circ}E$
about one mile dist.

80.00 Cov. secs. 28, 29, 32 and 33.

Set a granite rock $18 \times 10 \times 6$
ins, 12 ins in ground mark-
ed with one notch on S.

and four notches on E edge
raise a mound of stone

4 ft-base 3 ft high on W of
cov. Pit is impracticable

Hence a cross (X) chiseled
on porphyry bed rock
brs. S. $8\frac{1}{2}$ chs dist.

S.E. of the cross chisel

"T. 18 S. R. 24 E. S. 33" and

S.W. of same "S. 32"

Var. $12^{\circ}-35^{\circ}E$

Land rough and moun-
tainous,

Soil 3rd + 4th rate

Tfr 18 S. R. 24 E

chs

No timber

Oak brush and a few
scattering scrub oak trees.
Mountainous land 65 chs

N. $0^{\circ} 02'$ W bet secs 28 + 29

Descend N. slope of mountain

21.00 Center of wash in canyon
600ks wide, course E. S. E.

Thence ascend + across
mountainous ridge.

25.30 Pt. whence ranch house
of W. H. Scofield brs E. about
18 chs dist.

40.00 Set a porphyry rock 18x12
x 6 ins, 12 ins in ground
for $\frac{1}{4}$ sec. cor, marked
 $\frac{1}{4}$ on N. face. raise
mid. of stone 4 ft base

Survey Secs 21 and 28
chs

3 ft high W. of cor.

Pits impracticable

Hence, an oak & iron diam
blazed and scribed

B. T. 1/4 S. 28, brs S 89° 16' E

52.5 ft dist.

An Oak & iron diam blazed
and scribed B T 1/4 S. 29

brs S. 46° 00' W. 82 1/2 ft dist.

Schofield's ranch house

brs S. 49° 30' E

Top of Black Diamond
Copper Co's new office brs

N. 66° 45' E.

Cor No. 1 of Black Diamond

Mine Survey No 1437

brs N. 73° 55' W about

3/4 mile dist.

Descend ridge brs N. N. W + S. S. E.

5-2.72

Gulch 30 lks wide

Tfr 18 S. R. 24 E

chis

course East

56.40

Road Black Diamond
Mine to Pearce bro N + E.
Thence across very broken
ground over the breaks
of gulches tributary to
main canyon

76.00

Leave mountainous ground

80.00

Cov. secs 20, 21, 28 + 29

Set a porphyry rock
18 X 10 X 6 ins 12 ins in
ground marked with
2 notches on S. and 4 on
E. edges; dig pits
18 X 18 X 12 ins in each
section 5 1/2 ft. dist.,
and raise a mud of
earth 4 ft. base 2 ft. high
N. of cov. whence,
An Oak 24 ins diam bla

Survey Secs 21 and 28
chs

ed and scribed

"T 18 S R 24 E. S. 29 BT" br

S $32^{\circ} 08' N$ 148.8 ft-dist

An Oak 24 ins diam blazed
and scribed

"T 18 S. R 24 E. S. 20 BT"

brs N $85^{\circ} 55' W$ 141 ft-dist.

An Oak 18 ins diam blazed

+ scribed "T. 18 S. R. 24 E. S. 21 BT"

brs N. $33^{\circ} 42' E$. 134 ft-dist.

Var 12-33 E

Land mountainous
and rolling.

Soil 2, 3, + 4 rate

No timber a few scat-
tering scrub Oaks + some
oak brush

Mountainous land 76 chs

Apr. 18 S. R. 24 E.

chs

East on random
line bet secs 21 + 28

40.00 Set temp $\frac{1}{4}$ sec. cor

79.99 Intersect N. + S. line 1/4

S. of cor secs 21, 22, 27 + 28

A rock, ^{marked +} witnessed by a
rod of stone as describ-
ed by Surveyor General.

Thence I run

N. on true line bet
secs 21 and 28.

Ascend slope of moun-
tainous ridge which
bears N. + S.

23.30 Summit main ridge

32.95 Gulch 8 lks wide, course S. W.

34.00 Pt. whence framework
of old house brs S. about
9 chs. dist.

35.00 Swale at foot of

Survey Secs 21 and 28
chs

mountain brs N. + S.
39.99½ Set a quartzite rock
15-X10X6 ins 10 ins in
ground for ¼ sec. cor.
marked ¼ on N. face
raise a mound of
stone 3 ft base 2 ft-
high N. of cor.

Pits impracticable
69.55 Center of Wash Black
Diamond Canyon 75-80
wide brs N.S.W. + E.N.E.

79.99 Cor secs 20, 21, 28 + 29
Land, mountainous +
rolling
Soil 2nd + 3rd rate
No timber
Mountainous land 35 chs

Jan 20

Twp 18 S. R. 24 E.

chs

Jan 21, 1902

North $0^{\circ} 02'$ W. bet secs
20 and 21

- 9.90 Gulch 22 lks wide course N. E.
- 23.35 Gulch 45 lks wide course N. N. E.
- 39.55 Gulch 18 lks wide course N. N. E.
- 40.00 Falls on bank at N. edge
of gulch. Set a quartzite
 $18 \times 8 \times 6$ ins, 12 ins in
ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on W. face.
Raise a mound of stone
4 ft base, $2\frac{1}{2}$ ft high W.
of cor. Pits impracticable
- 44.85 Gulch 22 lks wide course E.
- 5-1, 5-5 Gulch 18 lks wide course E.
- 80.00 Cor secs 16, 17, 20 and 21
A rock marked and
witnessed as describ-
ed by Surveyor General.
Land rolling.

Survey Secs 21 and 28
cho

Soil 2^d + 3^d rate

No timber

General description
These two sections contain a considerable area that is comparatively level tho they are situated in a mountainous district.

There is one settler in sec. 28 and the Black Diamond Copper Mining Co. has a new building in same sec.

The Black Diamond Mine lies up

Tp. 18 S. R. 24 E. No. 950

the mountain
about one mile
West.

Tombstone Ariz

Feb 18 1902

John A. Rockefeller
U.S. Dep. Surveyor

For final oath
of deputy see subdivisions
of Sp 17 & R 24 C.