

Contract No. 47.

Book No. 1.

P. 1

copied
compared
Plattner

1568

See Index
Field Notes

1568

OF THE SURVEY OF

the **BOOK 1568**

Eastern Lines of T. 20 S.
R. 30 E. and T. 19 S. R. 27
East



Gila and Salt River Base and Meridian

ARIZONA.

By Walter B. Neil D. S.

Under contract dated May 13th 1884.

Survey commenced June 20th 1884.

Survey completed July 2nd 1884.

Indexed.

1A

Preliminary Oaths of Assistants.

We Thomas Stratton
 and George W. Williams
 do solemnly swear that we will well and faithfully execute the
 duties of Chain Carriers; that we will level the chain over 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 length of all lines that we assist
 in measuring, to the best of our skill and ability and in accord-
 ance with instructions given us in the survey of the

Township 19 S. R. 32 East
and T. 20 South - R. 30
East 6th S.R.
Meridian

Territory of Arizona.

Thomas Stratton Chainman.
George W. Williams Chainman.

Subscribed and sworn to before me, this 20th

day of June 1884

Hatter B. Nib.
 Notary Public.

We *Jacob Apple*

do solemnly swear that ^I ~~we~~ will well and truly perform the duties of *Axieman*

in the establishment of corners and other duties according to instructions given ^{me} ~~us~~, and to the best of ^{my} ~~our~~ skill and ability, in the survey of the *Township 19*

South R. 32 East
T^h 20 S. R. 30 East

G. S. R. Meridian Territory of Arizona.

Jacob Apple Axieman

Subscribed and sworn to before me this *20th* day of *June* 188*8*

Walter B. Niel
Notary Public.

I Gilbert H Rhodes do solemnly swear that I
will well and truly perform the duties of Flagman
according to instructions given me and to the best of my
skill and ability.

Gilbert H Rhodes

Sworn to and subscribed before me this

20th day of June 1880

Walter B. Neil
Notary Public

..... do solemnly swear that
will well and truly perform the duties of
according to instructions given and to the best of
..... skill and ability.

Sworn to and subscribed before me this

..... day of 188 ..

The instrument used in making this survey was a Burt's Patent Improved Solar Compass made, by John. Roach of San Francisco, Cal., in first class adjustment having been tested on the meridian at Tucson, upon entering the field & found to be in perfect adjustment

N. By Tp 20 S. R. 30 East
 G + S R. Meridian

hs.

From the cor to Tps 29 ^{and 30}
 S. R. 29 ^{and 30} East.

Which is a sandstone 2 ft.
 + 15 + 6 in set firmly in the
 ground, marked with 6 notches
 on each edge with mound
 of stone raised along side.

From which.

Peak in Chira-cahua Range
 has N. 5° W. also. Peak
 has N. 42° 12' E. I run

East on a random
 line between said Tps
 the variation of my compass
 being 12° 45' E. I set
 temporary 1/2 mile ^{and 1/2} mile
 corners at each 40 ^{and 80}.

A. Big Tp. 20 S. R. 30 East.

Chs

chain; and find the
 township line to be
 6 miles, ^{and 74} 1 chain.
 lbs long ^{and} the following
 1. 40 chs South of the
 cor to Tps 19 ^{and} 20 S.
 Rs 30 ^{and} 31 East, which
 is a Limestone 20 + 12 + 8 mi
 set firmly in the ground.
 with pits dug on each line
 N. S. E. ^{and} W. of stone, and
 mound of earth raised
 alongside. The correction
 for the true line will
 therefore be 23 ^{and} 1/10 lbs N.
 1. 74 chs west per mile, and
 its course will be S. 89° 50' W.

T. By T. 20 S. R. 30 East

Ch's

From the cor to T¹⁶ 19
& 20 S. R³⁰ 30^{and} 31 East
just described by me.

I run

S 89° 5' 0" W. on true line bet sec's 1^{1/2} & 6
to 12° 24' E

15.00

Enter dense timber bears N^{and} S.

40.00

Set a Granite Stone 16 + 12 + 7 in
11 in in the ground for 1/4 sec
cor. marked 1/4 on N. face,
from which.

An oak 7 in diam bears T. 29° E. 34' dist.
Marked 1/4 S. B. T.

An oak 5 in diam bears S. 10° E. 15' dist.
Marked 1/4 S. B. T.

47.00

Road bears N. W^{and} S. S.

59.00

Dry Creek 38 lbs wide
to S. S.

N. By T. 20 S. R. 30 East

his
20.00

Set a Granite Stone 16 +
13 + 10 in. 11 in in the ground
for the cor & sec's 1, 2, 35
and 36. marked with 1 notch
on E and 5 notches on W.

edges. from which
An Cat 6.5 in diam bears S 6° W.
38 lbs dist. Marked. T. 20 S
R. 30 East. S. 2 B. T.

An Cat 4 in diam bears N. 48° W.
18 lbs dist. Marked. T. 19 S. R. 30 E.
S. 35 B. T.

An Cat 4 in diam bears S 86°
E. 22 lbs dist. Marked. T. 20 S
R. 30 E. S. 1 B. T.

An Cat 6.12 in diam bears N.
16° E. 1.57 lbs dist.

T. By T. 20 S. R. 31 East-

Ch^o Marked, T. 19 S. R. 30. East.
 S. 26. B. T.
 Land. Rough. ^{and} Rolling.
 Soil. 3rd & 4th rates
 Dense oak & timber. 65. Ch^o

S. 89° 50' W. on a true line between 2935-

To 12: 45 E

Ascend
 40.00. ^{slow} N 4 quarter 1/4 + 8 + 6 ms. 9 ms
 in the ground for 1/4 sec/
 cor. marked. 1/4 on N. face
 from which

An Oak 6 ins diam has

N. 82° E. 1.00 ch dist. Marked
 1/4 S. B. T.

Another Oak 12 ms diam has

T. By T^p 20 S. R. 30 E

- Ch^s S 82° E. 110 ch^s dist.
Marked T. S. B. I.
- 54.00 Ascend. mountain proper
has N and S.
- 80.00 ^{Stone} Granite 27 + 14 + 12 ms. 20 ms
in the ground for the cor
to seas 2. 3. 34 and 35. marked
with, 2 notches on E and
4 notches on W. edge. and
raised a mound of stone,
alongside. pits impropeteable
from which
- An Cat. 17 ms diam has N. 28° W.
48 lbs dist. Marked T. 19 S.
R. 30 E. S. 34. B. I.
- No other trees within limits
Land Very Mountainous & broken
Soil. Rocky 4th rate.

T. By Tp 20 S. R. 30 E

Chs Timber. Scattered pine & oak & spruce
Good grass, in places

589°50' West on true line bet sec 3 ^{and 31}
Va 12° 48' E.

Ascend.

40.00 Set a Granite Stone 15' x 10'
+ 10' high. 10' high in the ground
for 1/4 Sec cor. Marked 1/4
on N. face and raised a
Mound of stones alongside. ~~It~~
impracticable. From which
An Oak 12' in diam bears S 30° E.
40 lbs dist. Marked 1/4 S.B. T.
No other trees within limits
72.00 Top of mountain spur 1000
ft high bears N. 24° E ^{and} S 24° W.

A. By T. 20 S. R. 30 E

Chip
80.00

and descend.

Set a granite Stone 12+12 1/2
ins 8 ins in the ground for
the cor to see's S. 4. 30 ^{and} 30
Marked with a notches on
E and W. edges and raised
a mound of stone alongside
Pike impracticable from which

A Pinon 14 ins diam bears

T. 17° W. 40 lbs dish. Marked

T. 19 S. R. 30 E. S. 30 B. T.

A Pinon 20 ins diam bears S. 26°

W. 5-4 lbs dish Marked. T.

20 S. R. 30 E. S. 4 B. T.

A Pinon 12 ins diam bears

S. 38° E. 13 lbs dish. Marked.

T. 20 S. R. 30 E. S. 3 B. T.

No other trees in limits

N. Big J. 20 S. P 30 6

Chs Land Very Mountainous ^{and} Broken
Soil. Rocky. (Ch' rate,
Woods Pine ^{and} Oak timber.

S. 89° 50' W. on true line 4^{and} 23
Val 12° 48' E.

Descend.

40.00 Set a ^{stone} Granite, 26 + 13 + 10, + 9 m^{is} in the
ground for 14 sec cor. marked
14 on N. face, and raised
a mound of stone alongside
Pit - impracticable.

No trace in limits.

68.00 Bottom of cañon be S. W.
^{and} ascend.

80.00 Set a Granite Stone 14 + 10 + 6 m^{is}
9 m^{is} in the ground for the

T. By J. 20 S. R. 30 E

Chi

cor. to sec 4, 5, 32 & 33.

marked with 4 notches on
E. and 2 notches on W.

Edges. from which

One Oak 12 ins diam bears

S. 28° E. 13 lks dist. Marked

T. 20 S. R. 30 E. S. 4. B. 1.

A Pinon 13 ins diam bears

N. 54° W. 38 lks dist. marked

T. 19 S. R. 30 E. S. 2. B. 1.

A Pinon 13 ins diam. bears

S. 74° W. 19 lks dist. Marked

T. 20 S. R. 30 E. S. 5. B. 1.

A Pinon 16 ins ^{diam} bears S. 23° E.

27 lks dist. Marked. T. 20

S. R. 30 E. S. 4. B. 1.

Land Very Mountainous ^{and broken}

Soil. Rocky 4th rate.

A. B. J. 4. 20 S. R. 30. E.

Chs

Timber, Dense pinon ^{and oak}.

S. $89^{\circ} 50' W.$ on true line let-see 6^{and} 32
 Va $12^{\circ} 45' E.$

ascend.

40.00

Set a Granite rock. $14 + 10 + 7$ ins
 9 ins in the ground for 1/4
 sec cor. marked 1/4 on N. face,
 from which

A Pinon 13 ins diam bears S.
 $28^{\circ} E.$ - 18 lks dist. Marked
 1/4 S. B. J.

A Pinon. 13 ins diam bears
 N. $64^{\circ} W.$ 38 lks dist. Marked
 1/4 S. B. J.

52.00

Top of mountain. (South spur)
 Chira-ca-hua Range bears N. $8^{\circ} 15' W.$

①
 A. By J. 20 S. R. 30 E

Chis

64.00

Descend from same

80.00

Stasraute ^{stone}, 15 + 12 + 7. mi. 10 mi
 in the ground for the
 Cor to see's. 31. 32. 586.

marked with 5 notches on
 E. ^{and} 1 notch on W. edge. ^{and}
 and raised a mound of
 stone alongside. Pits
 impracticable. Sets at.

Foot of rocky bluff of
~~the~~ ^{the} ~~mountain~~ ^{mountainous}
 and Mountainous ^{and}

Very Broken.

Soil Rocky 4th rate.

Dense oak & Pinon

N. By T. 20 S R. 30 E.

Chs

S. 89° 50' W. on true line bet sees.
6 and 31.

W. 12° 45' E

Descend.

40.00

Set a Granite ^{stone} 9+12+10 mi
1/4 mi in the ground for 1/4
see cor. marked 1/4 on W.

face. from which.

A Pinon 7 mi diam bears
N. 10° W. 38 lks dist. Marked
1/4 S. B. T.

A Pinon 12 mi diam. bears
S. 14° W. 27 lks dist. Marked 1/4
S. B. T.

81. 74

Intersect. to T. 29 R. 20 S. R. 29 R. 30 E.
Land very Mes & broken
Soil Rocky & h. soil
W. Use oak & Pine timber

Exterior T. 19 S. R. 32 E

chs

H. By

June 20th 1884,

From the cor to T. 19 ^{and} 20
 S. R. 31 ^{and} 32 East. which
 is. A post 4 ft long & is
 square. set firm in the
 ground. Marked T. 19. S. 31 on
 N. E. R. 32 E. S. 31 on S. E.
 T. 20 S. 31 on S. W. and R.
 31 E. S. 31 on N. W. face,
 with 6 notches on each side
 and pits 2 ft 10 in 12 in high
 on each line & mound of
 earth raised around post
 three in

North on true line at sec 1 ^{and} 36

Extensio T. 19. S. R. 32. E.

Chs

H. Big

Va 13' 18' E

40.00

Set a post 8 ft long 3 in
square with marked stone
12 in in the ground for cor.
See cot. marked 1 on H face.
dig pits - 18 + 18 + 12 in. N
S of post. 5 1/2 ft dist. and
raised a mound of earth. 1 1/2
ft high 8 1/2 ft base around
post.

63.55

Arroyo 30 lds wide Co East

80.00

Deposited a marked stone
12 in. in the ground for cor.
to see 25. 30. 31 ^{and} 36. dig pits
18 + 18 + 12 in in each see 5 1/2 ft
dist. and raised a mound of
earth. 2 ft high 4 1/2 ft base
over it. In S. E. pits down a

(15)

Exteriors J. 29. S. R. 32 &

Ch

West By

stake 2 mi square. 2 ft long
 12 mi on the ground. marked
 S. 19. S. S. 30 on N.E. R. 32 E
 S. 31 on S.E. R. 31. E. S. 36.
 on S. N. & S. 25 on N. W. faces, with
 1 notch on S. and 5 notches
 on N. Edge.

Land slightly rolling
 Soil. 3rd rate.
 Good grass

Post on true line bet sees 25 ^{and 30}
 Pa 13° 12' E

40.00

Set a Granite Stone 12 x 10 x 6 mi
 8 mi on the ground. for 14 see cor
 marked 14 on N. face. and
 raised a mound of clay along side

Exteriors T 19. S. R. 32 E

Chs West By

Pils - impracticable

66.00 Road has $N 13^{\circ} E + S. 13^{\circ} W$.
 80.00 Deposited a marked stone 12
 ins in the ground for. Cor to
 Secs 19, 24, 25^{and} 30; dug pils -
 18+18+12 in in each sec 5' 1/2
 ft. dist. and raised a mound
 of earth 2 ft. high 4 1/2 ft. base
 over it. In S. E. pil - drove
 a stake 2 ins. diam. 2 ft. long.
 12 ins in the ground. Marked
 T. 19. S. S. 19 on N. E. R. 32 E. S.
 31 on S. E. R. 31. E. S. 25 on S. W.
 and S. 24 on on N. W. faces, with
 2 notches on S. & 4 notches on N.

Edges;

Land slightly Rolling

Soil. ^{red} shale -

Good frame

Exteriors 719 S. R. 32 E

chs

West Boundary

North on true line to sec 19 & 24
Ta 13° 15' E

8.40

Ascend along E slope of
mountain.

40.00

A Granite stone in place, 5 +
4 + 4 ft above ground, which
I marked with a cross at
exact corner point, and 14
on N. face & raised a mound
above of stone alongside. Pitts
impracticable

80.00

Set a Granite Stone 20 + 13 + 12 in
15 in on the ground for the cor
to sec 13, 18, 19 & 24, marked
with 3 notches of N 15 E Ex.
& raised a mound of stone
alongside - Pitts impracticable
Land 7160 ch Mountainous

Exterior T. 19 S. R. 32 E.

Chs West Boundary

Soil. Rocks & ch. soil -
Some grass

North on a true line lat. sec 13448
To 13° 18' E

14.00 Arr. 40. 30 lbs wide to East.

27.00 Arr. 40. 50 lbs to East.

Stone shed Cañon runs
due west, at this point -

I offset 40 chs East to avoid

step & impassible ^{bluffs} 600 ft high

& continue north along slope
which is impassible. To traverse on true line
^{very broken}

40.00 Set a Gravel Stone 28. + 24

+ 12 in 21 ins in the ground
for Witness Cor. to 1/4 sec cor,

marked N. C. 1/4 on N. face

and raised a mound of stone

alongside. P's impracticable

Extensors T. 19 S. R. 32 E

Ch

Nest. Big. ^{max}

80.00

Steep mountain slope, meet 10 ch. dist.
 Set a Granite Stone, 13+12+10
 200 yds. 800 yds in the ground for the
 witness
 Cor to sec 7. 12. 13 + 18. marked
 N. E. with 4 notches on S +
 2 notches on N Edges & raised
 a mound of stone alongside
 Pits impracticable.
 Land Mountain use E slope
 of S mountain.
 Soil. Rocky. 4th rail -
 Fair Pass

North on offset line through

sec 12. Ta 15° 12' E
Continue north along very broken slope,

40.00

Set a Granite Stone 22+13
 + 12 yds. 1600 yds in the ground
 for witness
 for 14 sec Cor. marked

Exteriors T. 19 S. R. 32, E.

Chis

Nest Big

80.00

W. C. 110 on N. face, and
raised a mound of stone
alongside. Pits impracticable.

Set a Granite Stone 20 x 17 x 10
ins. 15 ins on the ground for the
witness

Co. to see 1. 6. 7 & 12, marked

W. C. with 3 notches on S. E. 1

Notch on N. Edges, & raised
a mound of stone alongside

Pits impracticable.

Curves to the very broken & impracticable nature of
the very high hills containing 1/2 of feet level,
& and. Mouldaneous & broken

Soil rocky & the soil

Good grass

North on offset line through
secs 6.

Va. 13° 10' E

Along foot of steep slopes

Exteriors T. 19 S. R. 32 E

Chs

West Big

40.00

Set a Granite Stone
14+10 + 7 ins. 9 ins in the
ground for ^{within} 14 sec cor.
marked W.C. 74 on N.
face & raised a mound
of stone alongside pits
improctable.

80.00

Set back to line over broken
East slope of mountain,
Set a Granite Stone. 20+18+12
ins. 15 ins in the ground for
the cor to ^{top} 18+19 S.
Rgs 31 & 32 E. marked with
6 notches on each edge &
raised a mound of stone
alongside. Pits improctable
High granite Peak. Kars
S. 69° N.
Mesa Topped mountain kars

Collected L. 19 S. R. 02 E.

Chs

West. By

S. 45° W.

Land. Mountainous & broken

Soil. Rocky & bare -

Some grass.

July 1st 1884.

Exteriors 7.19 S. R. 32 E

Chs

North By

From the cor to Lp's 18
 Aug 19 S. R. 31 & 32 E.

just set by me & run
 East on a true line bet-
 ween 6 Aug 31.

to 12° 24' E

Allowing 1.20 chs for
 convergence. Observed

58.80

Set a granite stone 20 x 13
 x 10 ins. 15 ins in the ground
 for "see cor. marked 'K"
 on N. face. & raised a
 mound of stone alongside
 Rts impracticable

74.00

Leave mountain slope
 leave N. & S.

78.80

Set a Post 4 ft long 4 ins
 with marked stone
 4 ins square, 12 ins in

Exterior T. 19 S. R. 32 E.

Chs

North Bay

the ground for the cor. to
see, S. 6. 31 & 32, marked
T. 18 S. S. 32 on. N. E. R. 32
E. S. 5 on S. E. T. 19 S. S.
6. on S. W. & see, 31 on N.

with 5 notches on E. & 1 notch on W. edge.
W. face. 1 dug pits 18 + 18

+ 12 in's in each see 5 1/2

It did & raised a mound
of earth, 2 ft high. 4 1/2 ft
base around post.

Land. 74.00 chs mountainous
Coil. Rocky & ch rule -
fair. grass, some oak

(26)

Exteriors T. 19 S. R. 32 E.

Ch

North Big

East on true line it
sees 5th 32.

Var 11:24' E

6.50

Road has N. + S.

40.00

Set a post 3 ft long 3 ins
with marked stone
square 12 ins in the ground
for 1/4 sec cor. marked "L.S"
on N. face. & dug pits 18
x 18 x 12 ins. E. N. of post
5 1/2 ft dist & raised a
mound of earth 1 1/2 ft
high. 3 1/2 ft base around
post.

80.00

Set a post 4 ft long 4 ins
with marked stone
square 12 ins in the ground
for the con to see 4 5-32 +
33. marked T. 18 S. 33
on N. E. R. 32 E. S. 4 on S 8

Excursions S. 19 S. R. 32 E

Chs North Big

S. 19 S. S. 5 on S. W. &
S. 32 on N. W. face, with 2
notches on W & 4 notches on
East edges, dug pits
18+18+12 ins. in each
see 5 1/2 ft. dist. & raised
a mound of earth, 2 ft high
4 1/2 ft. base around post.
Land slightly rolling valley
Soil, good soil -
Good pass.

East on a true line bet sees
48 33. Va 12: 26' E

34.00 Dry Wash. 100 ch wide. Co. N.E.
40.00 Set a Post. 3 ft long 3 ins square
with marked stony
12 ins in the ground for 1/4 sec

Exterior of 19 S. R. 32 E

Chs

North Boundary

cor. marked 'W on N.
face. dug pits 18+18+12
ins E. & W. of post 5 1/2 ft
dist. and raised a mound
of earth. 2 1/2 ft high 3 1/2
ft base. around post.

80.00

Set a Post 4 ft long & ins
with mark ^{on}
square. 12 ins in the ground
for the cor to see's 3. 4. 13 3. 13 4
marked. T. 18 S. S. 34 on
N. E. R. 32 E. S. 3 on S. E.
T. 19 S. S. 4 on S. W. & S. 33
on N. N. face. dug pits
18+18+12 ins. in each side
5 1/2 ft dist & raised a
mound of earth 2 ft
high. 4 1/2 ft base. around
post.

Estimate T. 29 D. R 28.

Chs

North Boundary

Land nearly level
Soil 3rd rate
Good grass.

East on a true line set-
tees 3 & 34,

Va 12°. 18' E

40.00

Set a post 3 ft long 3 ins
with marked str.
square, 12 ins. on the ground
for 1/4 sec cor. marked 74
5 on N. face. dug pits 18
+ 18 + 12 ins E & W of post-
3 1/2 ft dist. & raised a
mound of earth 8 1/2 ft high
3 1/2 ft base, around post.

80.00

Set a post 4 ft long 4 ins
with marked str.
square, 12 ins on the ground

Exteriors T. 19 S. R. 32 E

Chs N. By

for the cor to sees 2.3
 34 + 35. marked. T. 18 S
 S. 35 on N. E. R. 32. E. S.
 2 on S. E. T. 19. S. S. 3 on
 S. N. 4. S. 34. on N. W. jump
 dug pits 18 + 18 + 12 ins
 in' Each see. 5' 1/2 ft dist
 & raised a mound of earth
 2 ft high 4' 1/2 ft base
 around post.
 Land. Nearly level
 Soil. 3rd rate
 Good grass

East on a true line
 at sees 2 + 35 -

va 12° 18' E

Exteriors T. 19 S. R. 32 E

Chs

North Bay

22.50

Intersect. N. met Arizona
Bay 18. 60^{Chs} South of the,
357th mile post which is
a Granite Stone ~~18~~ 11 + 7 ins
firmly set in the ground marked
357 on N. Side 32° W. Low S. Ariz
on. N. N. M. on E. a pits
dug N. & S.

Set a Post. 4 ft long 4 ins
with marked ~~the~~
square 12 ins in the ground
for the closing cor. to sec. 20
35. marked ^{Ariz} C. C. R. 32 on N.
T. 18 S. S. 35 on N. T. 19 S.
S. 2 on. S. N. with 6 notches
on N. S. & 4 notches on N
faces. & N. M. on. on East.
dug pits. ~~28~~ 18 + 12 ins.

Extensions S. 19 S. R. 72 E

Chs

N. Bly

N. S. & N. of post- 521-
dist. & raised a mound
of earth. 2 ft high, 4" 2
base around post.

Land nearly level

Soil - 8th rule -

Good Grass

July 2nd 1884,

For final oaths see
book No. 3.

U. S. Surveyor General's Office,

Tucson, Arizona, Oct 14 1884

The foregoing Field Notes of the Survey of the

Extensions of
T. 20 S. R. 30 E. and
T. 19 S. R. 32 E.

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by Walter B. Neil

Deputy Surveyor, under his contract of the 13th
day of May, 1884, having been

critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved

Royala Johnson
Surveyor General.