

No-168

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

- OF -

Township *14 N* Range *24 E.*

Gila and Salt River Base and Meridian

ARIZONA.

By *O. D. Wheeler* D. S.

under contract dated *May 31 1882.*

Survey commenced *Aug 26 1882.*

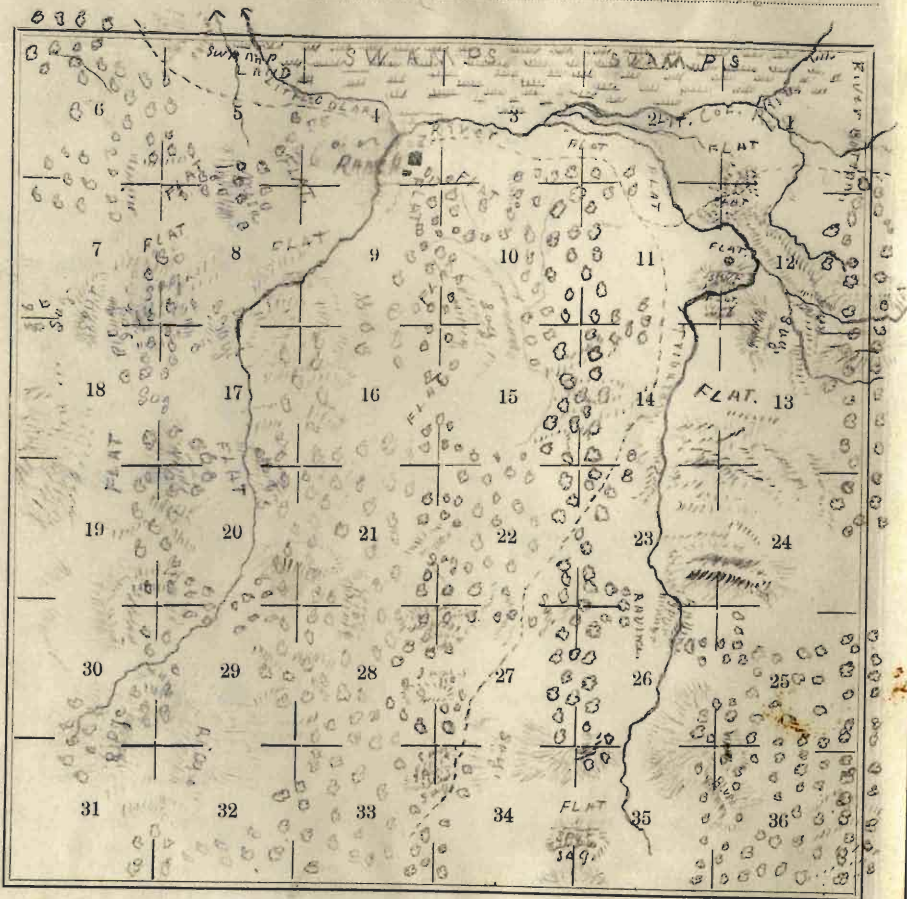
Survey completed *Aug 29 1882.*

No-168

168

18 Township 14 North Range 24 East M.

Gila and Salt River Meridian



BOOK 168

Gila and Salt River Meridian.

ARIZONA.

A

S 14 N. R 24 E. 5 + S. R. M.

Survey commenced
Aug 2nd 1882 -

Survey made with -
Burt's Patent Improved
Solar-Compass - nearly
new and in first rate
order, made by Otto
Fennel of Cassell Germany
in 1881 -

Before proceeding to
subdivide this Sp. I made
a change of 5 minutes in
the latitude arc of my
solar compass - by adding
same to the reading
previously given, and
at noon verified and
corrected the same
by observations on the
sun - I also further

BOOK 1687

T. 4 N. R. 24 E

Chs -

tested instrument
by reversing -

From the Cor. to Secs 1-
2-3 5 + 36 on S. By of Sp -
which is a - stake stone
12 x 8 ins set firmly in
the ground - properly
notched + with pits
in each sec -

Thence I run North -
bet. Secs 35 + 36 -

to 13° 42' E

40.00 Through juniper timber -
Set a pit at 3 ft. long
4 ins sq with marked
stone 12 ins in the
ground for $\frac{1}{4}$ Sec Cor.
I marked $\frac{1}{4}$ S on W face

T. 4 N. R. 24 E

Obs

Dug pits $18 \times 18 \times 12$
 ins N + S of post $5\frac{1}{2}$
 ft. dia., + raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base around post
 from which -

A juniper 7 ins diam brs
 N. 10° E 68 lbs dia., marked
 $\frac{1}{4}$ S. B. 5,

A juniper 6 ins diam brs S 61° W
 48 lbs dia., marked $\frac{1}{4}$ S. B. 5,

67.00 Top of bluff brs N 10° E + S 10° W -
 50 ft. above $\frac{1}{4}$ Sec Cor & drilled

80.00 Set a sand stone $30 \times 14 \times 8$
 ins 20 ins in the ground
 for Cor. to Secs 25 & 26-35
 + 36 marked with 1 notch
 on S + E edges - + raised
 a mound of stone alongside
 Pits unfracturable -

BOOK 168

T 14 N R 24 E

ches

from which -

A juniper 8 ins diam
hgt 27' E. 40 lbs dist.
marked T 14 N. R 24 E.
S 36 B. 5.

A juniper 5 ins diam hgt
S 40' W 37 lbs dist.
marked T 14 N. R 24 E. S
35- B. 5.

A juniper 6 ins diam hgt
N 80' W 25 lbs dist. marked
T 14 N. R 24 E. S 26 B. 5.

Band broken & rolling
Soil 3 @ rate.

Good grazing
Timber beetle killing juniper

N 89° 10' E on a random

3 T 14 N. R 24 E

Obs

line bet. Secs 25-36
T 13042' E,

Through timber -

6.00 Ascend bluff bet N & S.

7.00 Top of bluff 30 ft. high bet
N. E & descend -

40.00 Set temporary $\frac{1}{4}$ Sec Cor.

79.84 Intersect E. By of Sp-

12 lbs. N of Cor. to Secs -

25-30-31-36 which is a
post set firmly in the mound
of earth - properly marked
& notches & with pits in each
Sec -

From which Cor. Iron
S & 90.15' W on a true line
bet. Secs - 25 & 36 with
same ba -

J 14 N. R 24 E

Chs

39.42

Set a post 3 ft. long
4 ins sq with marked
stone 2 ins in the
ground for $\frac{1}{4}$ Sec Cor.
Marked $\frac{1}{4}$ S on N face
Dug pits 18 x 18 x 12 ins
E + W of post 5 $\frac{1}{2}$ ft.
diam. & raised a mound
of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
ft. base around post

79.84

The Cor to Secs 25--26--
35--36,

Land rolling

Good grazing

Soil $\frac{3}{4}$ water -

Timber Juniper -

Maximum rates should
be allowed on account
of heavy timber

T 14 N, R 24 E

Obs -

North bet. Secs 25 + 26

ba 130° 42' E,

Through thick timber -

30.00 Leave timber hrs E + W.

40.00 Set a post 3 ft. long
4 ins sq. with marked
stone 2 ins in the groundfor $\frac{1}{4}$ Sec Cor. marked
 $\frac{1}{4}$ S on W-face. Dug
pits 18 x 18 x 12 ins N + S
of post 5 $\frac{1}{2}$ ft. dia +
raised a mound of
earth 1 $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base around post

52.00 Enter timber hrs N, E + S.W.

75.00 Leave timber hrs E + W.

80.00 Set a sand stone 26 x
12 x 4 ins 18 ins in the
ground for Cor. to Secs

BOOK 768

T. 154 - N. R 24' E

Cho

23-24-25+26 marked
 with 2 notches on S &
 1 notch on E edges - Dug
 pits 18x18x12 in in
 each Sec - 5 1/2 ft. dist.
 & raised a mound of
 earth 2 ft. high 4 1/2 ft.
 base alongside -
 sand rolling
 Soil 32 rated
 Good grazing -
 Timber scattered juniper

N 89° 10' E on a random
 line bet Secs 24+25

to 130 42' E

gradual ascent.

3000

Cross ridge 40 ft. high

T. 14 N. R. 1214 E

Obs

has str. W + S. E. + descend
 40.00 Set temporary $\frac{1}{4}$ Sec Cor.
 80.12 Intersect E. By of Sp-
 16 lbs S of Cor. to Secs -
 19-24-25+30 which is a
 post set firmly in mound - properly
 marked + notched
 with pits in each
 Sec

from which Cor. Dism-
 89°17' W on a true line
 bet. Secs 24+25 with
 same ba.

40.06 Set a post 3 ft. long
 4 ins sq. with marked
 stone 12 ins in the ground
 for $\frac{1}{4}$ Sec Cor. marked
 $\frac{1}{4}$ S on N. face - Dug
 pits 18x18x12 ins E +

BOOK 163

14 1/2 R 2 4 E

Chs -

80.12

+ W of post 5 1/2 ft.
 disk. & raised a mound
 of earth 1 1/2 ft. high
 3 1/2 ft. base around post.
 The Cor. to Secs. 23-24
 - 25-26

Land rolling
 Soil 3² rats
 Good grazing

North bet. Secs 23 & 24
 to 130 42' E

Acres -

25.00

cross low ridge hrs -
 E + W. + described

40.00

Set a post 3 ft. long
 4 ms sq. with marked
 stone 2 ms in the

S 14 N. R. 24 E

Chs

ground for $\frac{1}{4}$ Sec Cor.
 marked $\frac{1}{4}$ S on W face.
 Dug pits 18 x 18 x 12 ins
 N + S of post $5\frac{1}{2}$ ft. dist.
 & raised a mound of earth
 $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 around post -


80,000 Set a post 4 ft. long
 4 ins sq. with marked
 stone 12 ins in the
 ground for Cor. to Secs -
 13-14-23 & 24 marked
 S 14 N. S 13 on N. E. R 24 E
 S 24 on S. E. S 23 on S. W &
 S 14 on N. W. faces with
 3 notches on S & 1 notch
 on E edges, Dug pits 18
 x 18 x 12 ins in each Sec
 $5\frac{1}{2}$ ft. dist. & raised a
 mound of earth 2 ft

BOOK 708

T₁₄-U, R₂₄ E

cls -

high 4 1/2 ft. base around post
 Band rolling
 Soil 2nd & 3rd strata
 Good grazing



At 89° 10' E on a random
 line bet Secs 13 & 24
 to a 13042' E,

Over rolling land
 with gradual descent.

40,00
 80,16

Set temporary 1/4 Sec Cor.
 Intersect E. By of Sp-
 14 lbs S of Cor to Secs
 13-18-19 & 24 which is a
 post set firmly in a
 mound of earth, properly
 marked & notched &
 with pits in each Sec

BOOK 168

T 14^s N. R 24 E

also

From which cor. I run
S 89° 41' W on a true line
bet. Secs 13 & 24 with
same ba -

40.08

Set a post 3 ft. long &
12 ins sq. with marked stone
12 ins on the ground for
1/4 Sec cor. marked 1/4 S on
N. face. Dug pits 18 x 18 x
12 ins E & W of post 5 1/2
ft. dist. & raised a mound
of earth 1 1/2 ft. high
3 1/2 ft. base around post

80.16

The Cor. to Secs - 13-14-23 & 24
band rolling
soil 2nd & 3rd rate
Good grazing

BOOK 768

T. 14. N. R. 24 E

Chs

North bet. Secs 13 & 14
to a 130° 42' E,

40,000

Descend gradually,
Set a post 3 ft. long
4 ins sq. with marks
stone 12 ins in the ground
for 1/4 sec cor. marked
1/4 S on W face. Dig
pits 18 x 18 x 12 ins N
& S of post 5 1/2 ft. dia.
& raised a mound of
earth 1 1/2 ft. high 3 1/2
ft. base around post

50,000

Enter flat course
E & W.

80,000

Set a sand stone
18 x 6 x 4 ins 12 ins in
the ground for cor-
to Secs 11-12-13 & 14.

T. H. K. R. 24 E

Obs

marked with 4 notches
on S + 1 notch on E edges -
Dug pits - 18 x 18 x 12 ins
in each see 5 1/2 ft.
diam. + raised a mound of
earth 2 ft. high 4 1/2 ft.
base alongside -

Band rolling

Soil 2 → + 3 @ rate,

Good grazing

N 89° 10' E on a random
line bet. sees 12 + 13 -

to a 15° 42' E,

Over flat

500 Leave flat + ascend
gradually.

25,000 Cross low ridge bet
N + S + descend gradually
into bog -

161
BOOK 7768

J. 14 N. R. 12 4 E

Chs -

40,00

Set temporary $\frac{1}{4}$ Sec Cor.
Intersect E. Bdy of Sp -
40 lbs S of Cor. It is Secs -
7-12-13 & 18 which is a
post set firmly in a mound
of earth - properly marked
& notched & with pits
in each Sec -

from which Cor. I run
S 88° 55' W on a true
line bet. Secs 12 & 13 with
same Va,

40,20

Set a post 3 ft. long
3 ins sq with marked
stone & 2 ins in the
ground for $\frac{1}{4}$ Sec Cor -
marked $\frac{1}{4}$ S on N
face. Dig pits 18 x 18

D 14 N, R 24 E

Chs

x 12 ins E + W of post 5 1/2
ft. dist, + raised a mound of
earth 1 1/2 ft. high 3 1/2 ft
base around post

80.40 The Cor. to Secs. 11-12-13+14

Band rolling

Soil 2nd & 3rd rate

Good grazing

North bet. Secs 11 + 12

to 130° 42' E,

Over flat.

10.00 Foot of Bluff bet E + W

12.00 Top of bluff + descend
gradually,

18.00 Enter flat course N 15° E

22.90 Cross wash 22 lbs wide
course E + ascend

40.00 Hit a sand stone 40 x 20

BOOK 163

S 14 T 1 R 24 E

Chs

- x 6 ins 30 ins in the ground for $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$ on W face
 Dug pits 18 x 18 x 12 ins
 N + S of stone 5 $\frac{1}{2}$ ft. dia. + raised a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base along side
- 5-4.00 Cross wash 10 lbs wide
 Course W - ascend gradually
- 69.00 Top of low hill hrs N. E
 + S. W, + descend
- 69.64 Wagon road hrs N. E.
- 80.00 Set a post 4 ft. long
 4 ins sq. with marked
 stone 12 ins in the
 ground for Cor. to Sec.
 12-11712 marked
 S 14 N. S 10 on N. E,
 R 24 E, S 12 on S. E.

BOOK 163

S 14 N. R 24 E

Chs

S 11 on S. W. and -
 S 2 on N. ^{face} W. with 5
 notches on S + 1 notch
 on E edges - Dug pits
 15 x 15 x 12 ins in each
 Sec 5 1/2 ft. dia. & raised
 a mound of earth 2 ft.
 high 4 1/2 ft. base around post
 from which -
 A juniper 6 ins diam
 bet N & 60 E 11 x lbs dia.
 marked S 14 N. R 24 E
 S. 1 B. 5 -

No other trees near -
 Band rolling
 Soil 2nd & 3rd rate
 Good grazing
 Timber - Juniper -

BOOK 708

T. 14 N. R. 24 E

Chs -

At 89° 10' E on a random
line bet. Secs 1 & 12

to a 13° 42' E,

Ascend gradually,

6,00

Cross low spur bet N & S
& descend -

16,00

Cross low spur 30 ft.
above cor. bet N & S.

20,00

Cross St. Johns & Wolbrook
road bet N 70° E & S 70° W -

21,40

Cross tributary of Colored
river course N. E.

40,00

Set temporary $\frac{1}{4}$ Sec Cor.

80,09

Intersect E By of Sp-
13 lbs N of Cor. to Secs -

1-6-7 & 12 which is a
post set firmly in a mound
of earth, properly marked
& related & with pits in
each Sec -

D 14 N. R 24 E

Chs

From which Cor. Iron
 S 89° 16' W on a true
 line bet. Secs. 14 & 12 with
 same ba.

40.04

Set a post 3 ft. long
 4 ins sq with marked
 stone 12 ins in the ground
 for $\frac{1}{4}$ Sec Cor marked
 $\frac{1}{4}$ S on N. face. Dug pits
 18 x 18 x 12 ins E + W of post
 5 $\frac{1}{2}$ ft. dist, & raised a mound
 of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
 ft. base around post.

80.09

The Cor. to Secs 1-2-11 & 12-
 Sand rolling
 Good grazing
 Soil 1 ft + 2 ft rate

BOOK

183

S. 14. 7/1 R. 24. E

Chs -

North on a random
line bet. Secs 1 & 2 -

to 13042' E.

Descend gradually -

21.17

Enter flat or river
bottom 1st rate soil -

40.00

Set temporary 1/4 Sec Cor.

57.00

Cross Colorado River 1.20

chs wide course W -

59.00

Enter swamp land -

80.21

Intersect N. By of Sp -

14 lks E of Cor. to Secs -

1-2-35-436 which is a

post set firmly in

a mound of earth

properly marked &

notched & with pins

in each Sec 5-1/2 ft.

dist

T. 4. N. R. 24 E

Obs

- From which Cor. I run
 S 6' E on a true line
 bet. Secs 1 & 2 with same ba-
- 40.21 Set a post 3 ft. long
 4 ins sq with marked
 stone 12 ins in the
 ground for $\frac{1}{4}$ Sec Cor.
 Marked $\frac{1}{4}$ S on W face
 D my pits - 18 x 18 x 12 ins
 N & S of post 5 $\frac{1}{2}$ ft. dia.
 & raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base around post.
- 8021 The Cor. to Secs - 1-2-11 & 12
 Band rolling & flat
 soil 1st & 2d rate
 Good grazing
 I carefully examined

BOOK 168

1.4 N. R 24 E

Obs -

the adjustment of my
solar compass to-day
particularly the latitude
and reversing apparatus
& found them correct

Aug 26 - 1882.

From the cor. to Secs
2-3-34+35 - on S. Bay
of Sp. which is a
lava stone 12 x 10 ins set
firmly in the ground -
properly notched & with
pits & mounds in each
Sec -

Thence I run North
bet. Secs 34+35 -

by 130 42' E

T. 14. N. R. 2 & E

Obs

Gradual descent through scattering timber -

26,50 Cross S&W course E,
& ascend

34,00 Low spur hrs E & W,

40,00 Set a post 3 ft. long
4 ins sq. with marked
stones 12 ins in the
ground for $\frac{1}{4}$ Sec Cor.
In marked $\frac{1}{4}$ S on W face
Dug pits 18 x 18 x 12 ins
N & S of post 5 $\frac{1}{2}$ ft.
diam. & raised a mound
of earth 1 $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base around post.from which a juniper
6 ins diam hrs N 90° E1.42 obs. dist. marked $\frac{1}{4}$ S B 5

45,00 Enter flat course E & W

BOOK 183

T 14 N, R 24 E

Che

67.00

80.00

Draw flat,
 Set a post 4 ft long
 4 mis ng. with marked
 stone 12 mis in the
 ground for Cor. to Secs.
 26-27-34+35 marked
 T 14 N. S 26 on N, E, R
 24 E. S 35 on S. E, S 34
 on S. W + S 27 on N. W faces
 with 1 notch on S + E
 notches on E edges -
 Dig pits 18 x 18 x 12 mis
 in each sec 5 1/2 ft,
 dist. & raised a mound
 of earth 2 ft. high
 4 1/2 ft. base around post
 from which
 A juniper 8 mis diam
 bed N 42 E, 18 lbs dist.

T 14. N. R 24 E

chs

marked T 14 N. R 24 E,
S 26 B.S.

to and rolling
Soil 3rd rath.

Good grazing
Timber scattered juniper -

N 89° 10' E on a random
line bet. Secs 26 + 35

to 13° 42' E

Through juniper timber
Ascent

7.50 Cross low ridge bet N + S
+ descend gradually.

40.00 dit temporarily 1/4 Sec Cor.

57.00 Cross dry wash - 2 chs
wide Course N, ascend

80.17 Intersect N + S line 18

BOOK 783

T. 14. N. R. 24 E

Chs

lbs of Cor. to Secs 25
26-35-36 - from
which Cor. Run.
S 89° 21' W on a true
line bet. Secs. 26 + 35 -
with same Va.

40,09

Set a post 3 ft. long
4 ins sq. with marked
stone 2 ins in the
ground for $\frac{1}{4}$ Sec Cor.
Marked $\frac{1}{4}$ S on N. face
Dug pits 18 x 18 x 12 ins
E + W of post $5\frac{1}{2}$ ft. dia
and raised a mound
of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around post
from which
a juniper 7 ins diam
bet S 47° W 60 lbs dist

BOOK 163

T 14 N. R 24 E

Obs

marked $\frac{1}{4}$ S. B. S.
 a juniper 4 in diam
 bet A 39° W - 19 lbs dist,
 marked $\frac{1}{4}$ S. B. S.

80.17 The cor. to Secs 26-27-
 34 & 35

Land rolling

Soil 3 rate

Good grazing

Timber scattering juniper

North bet. Secs 26 & 27
 to a 130° 42' E.

40.00 Through scattering timber
 set a post 3 ft. long 4 in
 sq. with marked stone
 12 in in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S

T: 14 N: R: 24 E

Cho

on W. face, Dug pits
 18 x 18 x 12 ins N + S of
 post 5 1/2 ft. dia, raised
 a mound of earth 1 1/2
 ft. high 3 1/2 ft. base
 around post, from
 which -

A juniper 17 ins diam
 high 10 1/2 E. 68 lbs dia,
 marked 1/4 S. B. T.

80000 Set a post 4 ft. long
 4 ins sq. with marked
 stone 12 ins in the
 ground for Cor. to Secs
 12 2-23-26+27, marked
 T 14 N. S 23 on N. E. R 24 E
 S 26 on S. E
 S 27 on S. W
 S 22 on N. W faces with

S 14 N. R. 24 E

Chs

2 notches on S & E edges.
 Dug pits 18 x 18 x 12 ft
 in each see 5 1/2 ft,
 dist. & raised a mound
 of earth 2 ft. high 4 1/2
 ft. base around post,
 from which -

A juniper 14 mis diam
 bet N 15° E 12 lbs dist,
 marked S 14 N. R 24 E. S 23 B 5

A juniper 7 mis diam bet
 S 42° W 52 lbs dist, marked
 S 14 N. R 24 E. S 27 B 5

A juniper 20 mis diam
 bet N 20° W 29 lbs dist,
 marked S 14 N. R 24 E. S 22 B 5

Board rolling

Soil 32 rate

Good greening

Timber scattering juniper

T 14 N, R 24 E

Chs

N 89° 10' E on a random
line bet. Secs. 23 & 26
to a 13° 42' E,

Through timber

- 40.00 Set temporary 1/4 Sec Cor.
44.00 Leave timber hrs N & S.
50.00 Cross ravine 20 lbs -
wide Course N 10° W.
60.00 Top of spur hrs N & S.
71.50 Cross ravine 20 lbs wide
Course North.
80.15 - Intersect N & S line
14 lbs N of cor. to Secs.
23-24-25 & 26 from which
Cor. I run
S 89° 16' W on a true line
bet. Secs 23 & 26 with
same Va,
40.07 Set a sand stone 16 x

S. 14 N. R. 24 E

Cha

10 x 4 ins 12 ins in the
ground for $\frac{1}{4}$ Sec Cor, marked
 $\frac{1}{4}$ on N. face. Dug pits
15 x 15 x 12 ins E + W of stone
5 $\frac{1}{2}$ ft. dist, & raised a mound
of earth $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft.
base along side from which
a jumper & his drain bro-
ok at 20° E 23 lbs dist, marked
 $\frac{1}{4}$ S. R. S.

80.15-

The Cor. to Secs - 22 - 23 -

26 + 27.

Band rolling

Soil 3rd rate

Good grazing

Timber scattering jumper

North bet. Secs 22 + 23

277K 168

T-14 N. R 24 E,

Chs

Va 13° 42' E.

Through timber.

4000

Set a post 3 ft. long 4
 ins sq. with marked show
 12 ins in the ground for
 $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ W on
 W face. Dug pits 18 x 18 x
 12 ins N + S of post 5 $\frac{1}{2}$ ft.
 dia. & raised a mound of
 earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft
 base around post,
 from which

A juniper 9 ins diam hrs
 N 64° E 25-lbs dia.,
 marked $\frac{1}{4}$ S. B. T.

A juniper 7 ins diam hrs
 S 21° W 19 lbs dia., marked
 $\frac{1}{4}$ S. B. T.

57.23

Cross wagon road hrs

S 14 N. R 24 E

Cha

N 10° E.

80,00

Set a post 4 ft. long 4 ins
sq with marked slots 12
into in the ground for Cor.
to Secs - 2¹⁴ - 2¹⁵ - 2²² + 2²³
marked S 14 N. S 14 on N E
R 24 E. S 23 on S. E.
S 22 on S W

1 15 on N. W. faces with
3 notches on S + 2 notches
on E edges - Dug pits
18 x 18 x 12 ins in each sec.
5 1/2 ft. dia., + raised a mound
of earth 2 ft. high 4 1/2 ft.
base around post
from which

A juniper 18 ins diam base
N 60 1/2° E 70 lbs dia., marked
S 14 N. R 24 E. S 14 B. S

BOOK 788

T 14 N, R 24 E

Chs

A juniper 12 in diam
 hrs S 50° E 79 lbs dist.
 marked T 14 N, R 24 E, S 23 B, T

A juniper 10 in diam hrs
 S 42° W, 125 lbs dist. marked
 T 14 N, R 24 E, S 22 B, T,

A juniper 8 in diam hrs
 N 73 1/2° W 55 lbs dist. marked
 T 14 N, R 24 E, S 15 B, T,

band rolling

Soil 3^d rate.

Good grazing

Trivial scattering juniper

A 89010' E on a random
 line bet. Secs 14 + 23 -

to a 13042' E

Over rolling ground -

T. H. R 24 E

Chs

- 27.00 Through timber -
- 40.00 cross wagon road hrs N + S.
- 44.00 Set temporary 1/4 Sec Cor.
- 80.10 Cross wash Course N.
- Intersect N + S line -
- 14 lbs S of Cor. to Secs -
- 13-14-23 + 24 from which
- Cor. Run -
- S 89° 16' W on a true line
- bet. Secs - 14 + 23 with
- same va.
- 40.05 Set a post 3 ft. long
- 3 ins sq with marked stake
- 12 ins in the ground for
- 1/4 Sec Cor. marked 1/4 S on
- N. face. Dig pits 18 x 18
- x 12 ins E + W of post
- 5 1/2 ft. dist & raised a
- mound of earth 1 1/2 ft.

BOOK 168

S 14 1/4, R 2 1/4 E

Obs

high 3 1/2 ft. base around
post.

80.10

The Cor. to Secs 14-15-22+23

Land rolling

Soil 3rd rate

Good grazing

Timber scattering juniper

North bet. Secs 14 + 15 -

to a 130° 42' E.

Over rolling ground -

40.00

Set a post 3 1/2 ft long 4
ins sq with marked stone12 ins in the ground for
1/4 Sec Cor. marked 1/4

. Saw W face. Dug pits

18 x 18 x 12 ins N. + S of

post 5 1/2 ft. dist. &

raised a mound of

T 14 N, R 24 E

Chs

earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post, no trees adjacent,

80,000 Set a post 4 ft. long 4 ins sq with marked stave 12 ins in the ground for Cor. to Secs - 10, 11, 14 & 15 marked T 14 N, S 11 on N, E, R 24 E S 14 on S, E, S 15 on S. W + S 10 on N, W. faces - + with 4 notches on S + 2 notches on E edges -

Dray pits - 18 x 18 x 12 ins in each Sec $5\frac{1}{2}$ ft. dia. raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base around post. No trees - found rolling soil @ rate

T. H. Riz E.

Obs -

Good grazing
 Timber scattered juniper

N 89° 10' E on a random
 line bet Secs 11 + 14,

to a 13042' E.

- 10,00 Enter thick timber bet
 N + S -
- 40,00 Set temporary 1/4 Sec Cor,
- 53,18 Cross on wagon road bet -
 N + S.
- 63,20 Cross gulch 10 lbs wide
 course N. E
- 79,84 Intersect N + S line
 12 lbs S of cor to Secs -
 11-12-13+14 from which
 Cor. Run -
- S 89° 05' W on a line

B. 183

S 14 N, R 24 E

Chs

line bet. Secs - 11 + 14 with
same va.

39.92

Set a post 3 ft long 4
 ins sq. with marked stone
 12 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S on
 N. face, D no. pits 18 x 18 x
 12 ins E + W of post 5 $\frac{1}{2}$
 ft. dist. + raised a mound
 of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
 ft. base around post
 from which -

A juniper 6 ins diam hrs
 N 24° E 69 lbs dist. marked
 $\frac{1}{4}$ S. B. S.

A juniper 10 ins diam hrs
 S 75° W 62 lbs dist.
 marked $\frac{1}{4}$ S. B. S.

79.84

The Cor. to Secs - 10 - 11 - 14 + 15 -

BOOK 188

S. 14 T. 1. R. 24 E

Chs

Land rolling
 Soil 3200 ft
 Good grazing
 Timber Juniper

North bet. Secs 10 & 11

Var 130° 42' E.

Over rolling ground.

40,000

Set a post 8 ft. long 3 ins
 sq. with marked stone
 12 ins in the ground for
 1/4 sec cor. marked 1/4 S
 on W face. Dug pits
 18 x 18 x 12 ins N & S of
 post 5 1/2 ft. dia. &
 raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base
 around post -

T 14 N. R 24 E

Obs

from which

A juniper 18 ins diam
 bet N 75° W 128 lks dist.
 marked $\frac{1}{4}$ S. B. T.

80,000

Set a post 4 ft. long
 4 ins sq with marked
 stone 12 ins in the ground
 for Cor. to Secs - 2 - 3 - 10 + 11
 marked T 14 N. B 2 on N, E,
 R 24 E. S 11 on S. E S 10
 on S. W + S 3 on N. W faces
 + with 5 noleties on S
 2 noleties on E edges. Dug
 pits 18 x 18 x 12 ins in each
 Sec 5 $\frac{1}{2}$ ft. dist, & raised
 a mound of earth 2 ft.
 high 4 $\frac{1}{2}$ ft. base around
 post, from which -
 A juniper 14 ins diam

T 14 N; R 24 E

Chs

hrs at 80° E 126 lbs dist,
 marked T 14 N, R 24 E, S 2 B, T,
 A juniper 10 ins diam hrs
 S 46° E 62 lbs dist, marked
 T 14 N, R 24 E, S 11 B, T,
 A juniper 12 ins diam hrs
 S 112 1/2° W 38 lbs dist, marked
 T 14 N, R 24 E, S 10, B, T,
 A juniper 6 ins diam hrs
 N 80° W 67 lbs dist, marked
 T 14 N, R 24 E, S 3 B, T,
 Ground flat & rolling
 Soil 2nd & 3rd data
 Good grazing
 Timber settling juniper

At 89° 10' E on a random
 line bet. Secs 2 & 11 -

T 14 N, R 24 E

Chs

to a 13° 42' E.

Over high prairie through
timber -

21,16

Cross wagon road to
Coucho, lbs S, E,

40,00

Set temporary $\frac{1}{4}$ Sec Cor.

45,00

Enter flat bet N & S,

49,50

Cross wash 20 lbs -
wide course N,

80,12

Intersect N & S line
13 lbs N of Cor. to Secs
1-2-11 & 12 from which
Cor. I run -S 89° 16' W on a true
line bet. Secs 2 & 11 with
same ba.

40,06

Set a post 3 ft. long
3 ins sq with marked
stone 2 ins in the
ground for $\frac{1}{4}$ Sec Cor

BOOK 183

T. 4 N. R. 24 E

Obs

marked $\frac{1}{4}$ S on N. face
 Dry pits $18 \times 18 \times 12$ ins
 E + W of post $5\frac{1}{2}$ ft.
 dist. & raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base around post,
 from which -

A juniper 8 ins diam
 brs S 89° E 89 lbs dist -
 marked $\frac{1}{4}$ S. B. S.

A juniper 18 ins diam
 brs N 40° W. 90 lbs dist.
 marked $\frac{1}{4}$ S. B. S.

80,12 The Cor. to Secs 2-3-

10+11

Sound rolling

Soil 1- & 2nd feet

Good grazing

Timber scattered juniper

T 14 N, R 24 E

Chs

North on a random line
bet. Secs 2 + 3

to a 130° 42' E

Over high prairie through
timber,

15.38 Cross wagon road bet E + W,
30.00 Leave timber & descend
to river bottom.

33.26 Old road bet N. E -

38.25- Cross tributary of Colorado
river 20 lbs wide course N 60° W.

40.00 Set temporary 1/4 Sec Cor.

40.20 Cross Colorado river 40 lbs
wide course S. W.

80.12 Intersect N. By of Sp
10 lbs E of Cor. to Secs
2-3-3 4 + 5 - which is a
poast set firmly in a
mound of earth, properly
marked & notched &

BOOK 168

S. 4. 4. R 24 E 14

Chs

with pits in each sec

from which Cor. Iron
 5' E on a true line
 bet. Secs - 2 + 3 with
 same Va.

40.06

Set a post 3 ft. long
 4 ins sq. with marked
 stone 12 ins in the ground
 for $\frac{1}{4}$ sec cor. marked
 $\frac{1}{4}$ S on W face. Dig
 pits 18 x 18 x 12 ins N + S
 of post 5 $\frac{1}{2}$ ft. dist &
 raised a mound of
 earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
 ft. base around post
 The Cor. to Secs - 2 - 3 - 10 + 11

80.12

Soil rolling & flat
 Soil 1st + 2nd rate
 Good greening

T 14 N. R. 24 E

the

River bottom subject
to overflow -

I carefully examined the
adjustment of my solar
Compass particularly the
latitude & reversing
apparatus & found them
correct -

Aug 26 - 1882,

From the Cor to Secs
3-4-33 & 34 on S. By of
Sp. which is a post
set firmly in the ground -
properly marked & notched
& with pits in each sec

I run North bet. Secs -
33 & 34

T. 14 N. R. 24 E

Che

Ta 13° 42' E.

- Over rolling ground through scattered timber
- 4000 Set a post 3 ft. long 3 ms sq. with marked stone 12 ms in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S on W. face, Dig pits 18x18 x 12 ms N + S of post $5\frac{1}{2}$ ft. dia. & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post -
- 4400 Cross snow-flake road course N. E.
- 6100 Cross Sag hrs E + W & ascend gradually -
- 8000 Set a post 4 ft. long 4 ms sq. with marked stone 12 ms in the ground for cor. to

T 14 N, R 24 E

Chs

Secs 27-28-33+34 marked
 T 14 N, S 27 on N. E, R 24 E
 S 34 on S. E, S 33 on S. W +

S 28 on N. W face with
 1 notch on S + 3 notches

on E edges. Dug pits
 18 x 18 x 18 ins in each

Sec 5 1/2 fl. dist, + raised
 a mound of earth 2 ft. high
 4 1/2 ft. base around post
 from which.

A juniper 8 mi drain hrs
 N 33 1/2° E 61 lbs dist, marked
 T 14 N, R 24 E, S 27 B. 5

A juniper 6 mi drain hrs
 S 34° W 35 lbs dist, marked
 T 14 N, R 24 E, S 33 B. 5

Land rolling

Soil 3% rate

Good grazing

T 14 N, R 24 E

Chs

Timber scattering juniper

N 89° 10' E on a random
line bet secs 27 + 34 -
T 13042' E,

Gradual ascent,

22.79

Cross Road hrs S 90° W -

40.00

Set temporary 1/4 sec cor

55.00

Cross Sag 3 chs wide
& ascend.

80.15-

Intersect N + S line
12 lbs S of cor to secs -
26 - 27 - 34 + 35 - from
which cor. I run -

S 89° 05' W on a true
line bet. secs 27 + 34 -
with same T 13042' E,

40.08

Set a post 3 ft. long

T 14 N. R 2 4 E

Chs

4 mis sq. with marked
 stone 12 mis in the ground
 for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$
 S on N. face. Dug pits
 18 x 18 x 12 mis E + W of
 post 5 $\frac{1}{2}$ ft. dia. & raised
 a mound of earth 1 $\frac{1}{2}$ ft.
 high 3 $\frac{1}{2}$ ft. base around
 post, from which -
 a grupper 10 mis diameter
 at 6 $\frac{1}{2}$ ° E, 75 lbs dia.,
 marked $\frac{1}{4}$ S. B. T.,
 a grupper 8 mis diameter
 S of 5° E, 120 lbs dia., marked
 $\frac{1}{4}$ S. B. T.

80, 15 - The Cor. to Secs - 27-28

33 + 34

Bandrolling

Soil 30' rate

Good grazing

T. H. R. 24 E.

Obs

Timber scattering
 Juniper

North bet. Secs 27 + 28
 to a 13° 42' E.

Over rolling surface -

5,15-

Cross spur bet. St. E. & S. W.

39.00

Cross Sag bet. St. E. &
 ascend

40.00

Set a post 3 ft. long &
 4 in sq. with marks
 about 12 in in the ground
 for $\frac{1}{4}$ sec cor, marked
 $\frac{1}{4}$ S on W. face Dry pits
 18 x 18 x 12 in N + S of post
 5 $\frac{1}{2}$ ft. diam. & raised a
 mound of earths 1 $\frac{1}{2}$
 ft. high 3 $\frac{1}{2}$ ft. base
 around post -

5147, R: 24 E

Obs

- 46.20 Enter timber hrs N. E + S. W -
- 61.00 Cross spur hrs N. E +
descend.
- 65.50 Cross sag hrs N. E +
ascend.
- 80.00 Set a sand stone 30 x
20 x 6 ins 20 ins in the
ground for Cor. to be -
21-22-27+28 marked
with 2 notches on S +
3 notches on E edges -
Dig pits 18 x 18 x 12 ins
in each see 5 1/2 ft -
diam, + raised a mound
of earth 2 ft. high 4 1/2
ft. base alongside -
from which -
A gopher 11 ins diam
had S 7 1/2° E 14 lbs diam

BOOK 168

S 14 N. R 24 E

Obs

marked S 14 N. R 24 E

S 27. B. S.

A juniper - 9 ins diam
bed N $16\frac{1}{4}^{\circ}$ W 17 lbs disk

marked S 14 N R 24 E

S 21. B. S.

No other trees adjacent
found rollingSoil 2nd + 3rd rate

Good grazing

Dimples scattering

Juniper

N 89° 10' E on a random
line bet. Secs - 22 + 27

to 13° 42' E

Gradual descent
through timber

BOOK 163

S 14 N. R 24 E

chs

- 40.00 Sit temporary $\frac{1}{4}$ Sec Cor.
- 59.43 Cross road bks A + B
- 65.00 Sag 2, chs wide course
A + B curved gradually -
- 80.18 Intersect A + B line
19 bks S of Cor. to Secs -
22 - 23 - 26 + 27, from
which Cor. I run
S 89° 02' W on a true
line bet. Secs - 22 + 27
with same Va,
- 40.09 Sit a post 3 ft. long 4 ins
sq with marked slot
12 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S
on N. face, Dug pits
18 x 18 x 12 ins E + W of
post 5 $\frac{1}{2}$ ft. dia. &
raised a mound of earth
1 $\frac{1}{2}$ ft. high 8 $\frac{1}{2}$ ft. base

58
BOOK 168

T 147, R 24 E

Obs

around post, from
which -

A juniper 12 ins diam
brk S 43° E, 29 lks dist,
marked $\frac{1}{4}$ S. B. T.

A juniper 10 ins diam
brk N 21° W 20 lks dist,
marked $\frac{1}{4}$ S. B. T.

80, 18

The Cor. to Secs. 21-22 -
27 + 28.

Sand rolling
Soil 3^d rate,

Good grazing

Timber scattering

Juniper -

North bet. Secs 21 + 22
T 130 421 E

S 14 N R 24 E

Chs

- | | |
|-------|---|
| | Through timber |
| 4,12 | Leave timber bro N. W. |
| 19,00 | Cross sag bro N. E +
descend |
| 40,00 | Set sand stone 24 x 12
x 8 ins 16 ins in the
ground for 1/4 sec Cor,
marked 1/4 on W face -
Dug pits 18 x 18 x 12 ins -
N + S of stone 5 1/2 ft. dist,
+ raised a mound of
earth 1 1/2 ft. high 3 1/2 ft,
base along side |
| 43,16 | Crossed bro N. E +
descend - |
| 45,00 | Enter timber bro N E, |
| 72,00 | Leave timber |
| 80,00 | Set a post 4 ft. long
4 ins sq with marks |

T 14 N. R 24 E

Obs

slower 12 ms in the ground
for Cor. to Secs 15-16-21
& 22 marked T 14 N. S.
15 on N. E. R 24 E. S 22
on S. E. S 21 on S. W &
S 16 on N. W faces & with
3 notches on S & E edges-

Two pits 18 x 18 x 12 ins
in each Sec 5 1/2 ft.
diam, & raised a mound
of earth 2 ft. high 4 1/2 ft.
base around post-
from which

A juniper 10 ms diam
bet S 5-40 W 20 lbs dist.
marked T 14 N. R 24 E
S 21 B. T.

A juniper 12 ms diam
bet N 76° W 29 lbs-
diam, marked T 14 N

T 14 N R 24 E

Chs-

R 24 E, S 16 B. T.

Band rolling

Soil 3^d rath

Good grazing

Timber scattering juniper-

N 89° 10' E on a random
line bet. Secs 15 + 22,

va 130° 42' E.

Over rolling ground -
through timber -

4000 Set temporary $\frac{1}{4}$ Sec Cor.

79.85 Intersect N + S line
17 lbs N of Cor. to Secs
14-15-22 + 23 from which
Cor. Run -

S 89° 17' W on a true
line bet. Secs - 15 + 22
with same va.

BOOK 168
 T 14 N, R 24 E

Obs.

39.72 Set a post 3 ft. long 4
 ins sq with marked stone
 12 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S
 on N. face. Dug pits 18 x
 18 x 12 ins E + W of post
 5 $\frac{1}{2}$ ft. dist, + raised a
 mound of earth 1 $\frac{1}{2}$ ft.
 high 3 $\frac{1}{2}$ ft. base around
 post, from which -
 A juniper 8 ins diam
 bed N 83° E, 43 lbs dist.
 marked - $\frac{1}{4}$ S, B, S.

A juniper 18 ins diam bed S 7 $\frac{1}{2}$ ° W
 53 lbs dist, marked $\frac{1}{4}$ S, B, E

79.85 The Cor. to Secs 15-16-21+22

Round rolling

Soil 3rd rate

Good grazing

Scrub scattered Juniper

S. 4 N. R. 24 E. S. & S. R. W.

Claims

North bet. Secs 15 + 16

To a 13° 42' E.

Over level land.

- 26.00 Enter timber hrs E + W -
- 29.00 Leave timber hrs E + W.
- 40.00 Set a post 3 ft. long 3
 ins sq. with marked
 stone 12 ins in the ground
 for $\frac{1}{4}$ Sec Cor. marked
 $\frac{1}{4}$ S on W. face, Dug pits
 18 x 18 x 12 ins N + S of
 post $5\frac{1}{2}$ ft. dist. + raised
 a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base around
 post.
- 45.00 Enter timber hrs E + W
- 80.00 Set a post 4 ft. long 4
 ins sq. with marked stone
 12 ins in the ground for

S 14 N, R 24 E

Obs -

Cor. to Secs 9-10-15+16
marked S 14 N, S 10 on N E
R 24 E, S 15 on S. E,
S 16 on S. W +

S 9 on N. W. faces - +
with 4 notches on S +
3 notches on E edges -

Dug pits 18 x 18 x 12 ins
in each sec 5 1/2 ft,
dist. + raised a mound
of earth 2 ft. high 4 1/2
ft. base around post.
from which -

A juniper 14 ins diam
brd S 70 E, 186 lbs dist.
marked S 14 N, R 24 E, S
10, B. 5.

A juniper 12 ins diam
brd S 40 W 75 lbs dist.

B77K 183

S 14 N, R 24 E

Obs -

marked S 14 N, R 24 E,
S 16 B. 5 -

band rolling

soil 2nd & 3rd rate,

Good grazing -

Timber scattering juniper

At 89° 10' on a random
line bet. Secs. 10 + 15

to a 13° 42' E,

Over rolling land -

38.50

Cross Sag hrs N + S + sec 20

40.00

Set temporary 1/4 Sec Cor.

47.00

Enter timber hrs N + S.

80.17

Intersect N + S line

12 hrs N of Cor. to Secs

10 - 11 - 14 + 15 from which

Cor. Run

T 14 N, R 24 E

Obs-

S 89° 15' W on a true
line bet. Secs 10 & 15 -
with same va -

4008

Set a post 3 ft. long
4 ins sq. with marked
stone 12 ins in the
ground for $\frac{1}{4}$ Sec Cor.
Marked $\frac{1}{4}$ S on N face
Dug pits 18 x 18 x 12 ins
E + W of post 5 $\frac{1}{2}$ ft -
dist, + raised a mound
of earth $1\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base around post

80,17

The cor. to Secs - 9-10-15-16

Soil rolling

Soil 3^d rate

Good grazing

S 14 N. R 24 E

Chs -

North bet. Secs 9 + 10
T₁₂ 130° 42' E

Over rolling prairie -
through timber

40,000 Set a post 3 ft. long
4 ins sq. with marked
stone 2 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S
on W. face. Dug pits 18 x 18
x 12 ins N. + S of post $5\frac{1}{2}$
ft. dia. & raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base around post -
from which -

A juniper 18 ins diam bet
S $46\frac{1}{2}$ ° E 5-4 lbs dia. marked
 $\frac{1}{4}$ S. B. S.

A juniper 8 ins diam bet
N 10 ° W 104 lbs dia.
marked $\frac{1}{4}$ S. B. S.

BOOK 168

S 14 N, R 24 E

Obs -

80,00

Set a post 4 ft. long
 4 ins sq. with marked
 stone 12 ins in the ground
 for Cor. to Secs - 3-4-9+10
 marked S 14 N, S 3 on N E.
 R 24 E, S 10 on S. E. S 9 on
 S. W + S 4 on N. W faces -
 with 5 notches on S +
 3 notches on E edges -
 Dig pits 18 x 18 x 12 ins
 in each Sec 5 1/2 ft -
 dist. + raised a mound
 of earth 2 ft. high 4 1/2
 ft. base around post
 from which

A juniper 6 ins diam
 bet S 19° E 37 lbs dist.
 marked S 14 N, R 24 E
 S 10 B. S.

S 14 N. R 24 E

Chs -

@ juniper & no drain hrs
 N 40 W 27 lks dist. marked
 S 14 N. R 24 E. S 4 B. S

Land rolling

Soil 3 @ rated

Good grazing

Timber scattering juniper -

N 89° 10' E on a random
 line bet. Secs - 3 & 10 -
 to a 130° 42' E,

Over flat,

27.60 Enter timber hrs N + S,
 40.00 Set temporary 1/4 Sec Cor.
 80.11 Intersect N + S line -

8 lks N of Cor. to Secs -
 2-3-10 + 11 from which Cor. Run
 S 89° 13' W on a true line

T 147, R 24 E

Obs-

bet. Secs - 9 + 10 with
same Va -

40,05

Set a post 3 ft. long 4
ins sq. with marked stone
12 ins in the ground for -
 $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ S
on N. face, Dug pits 18 x 18
x 12 ins E + W of post $5\frac{1}{2}$
ft. diam, & raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base around post, from which
a juniper 12 ins diam has
N 47° E 18 lbs diam marked
 $\frac{1}{4}$ S. B. S.

A juniper 20 ins diam has
S 40° E 74 lbs diam marked
 $\frac{1}{4}$ S. B. S.

80,11

The Cor. to Secs - 3 - 4 - 9 + 10
found rolling

BOOK 188

S 14 T. R 24 E

Chas

Sort 2nd & 3rd rate -
 Good grazing
 Timber of scattering
 juniper

North on a random line
 bet Secs 3 & 4 -
 to 13° 42' E.

- 26,500 a house bet West & Sched. dist.
- 30,000 Cross Holbrook & St. Johns road bet E & W -
- 36,800 Cross main fork of Colorado river by 70 lbs wide Course N 50° W -
- 40,000 Set temporary 1/4 Sec Cor -
- 50,000 Enter swamp & overflowed land.
- 79,89 Intersect North By

T 14 N. R 24 E

Obs -

of Sp. 20 lks W of Cor,
to Secs 3-4-33 & 34 which
is a post set firmly
in a mound of earth &
properly marked & notched
& with pits in each
Sec $5\frac{1}{2}$ ft. dist.

From which Cor. Run
S 9' W on a true line
bet. Secs 3 & 4

ba 13042.2,

39,89

Set a post 3 ft. long
3 ins sq with marked
stone 12 ins in the ground
for $\frac{1}{4}$ Sec Cor, marked
 $\frac{1}{4}$ S on W face, Dig
pits $18 \times 18 \times 12$ ins

BOOK 163

S 14 N. R 24 E

Chs-

N + S of post $5\frac{1}{2}$ ft. diam.
 + raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 around post

79.89

The Cor. to Secs 3-4-9+10
 land rolling + flat.
 Soil 2" + 3" rate,

Good grazing
 I carefully examined the
 adjustment of my solar
 compass to day, particularly
 the latitude + reversing apparatus
 and found them correct -

Aug 28-1882

From the Cor. to Secs -
 4-5-32+33 on S. By of Sp -
 which is a - post set
 firmly in a mound of

BOOK 188

S 14 T. R 24 E

Obs -

earth - properly marked
+ notched - with pits in
each sec.

Draw North bet Secs -
32 + 33

to a 130 42' E.

Through timber.

4000

Set a post 3 ft. long 4 ins
sq with marked stone
12 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S
on W face, Dig pits
18 x 18 x 12 ins N + S of post
5- $\frac{1}{2}$ ft. dia. + raised a
mound of earth 1- $\frac{1}{2}$ ft.
high 3- $\frac{1}{2}$ ft. base around
post. from which
a juniper 8 ins diam

S 14 N. R 24 E

Chs-

bars N 10° E, 3 lbs dist.
marked 1/4 S. B. S.

A juniper 6 ins diam bars
S 45° W 4 lbs dist, marked
1/4 S. B. S.

71.00
80.00

to save timber bars E & W
set a post 4 ft. long 4
ins sq. with marked stone
12 ins in the ground for
cov. to sees - 28-29-32 & 33
marked S 14 N. S 28 on N. E
R 24 E. S 33 on S. E.

S 32 on S. W &

S 29 on N. W faces & with
1 notch on S & 4 notches on
E edges. Dug pits 18 x 18
x 12 ins in each see 5 1/2
ft. dist. & raised a mound
of earth 2 ft. high 4 1/2

T 14 N. R 24 E

Obs -

ft. base around post,
from which
a juniper 14 ins diam
bet N 27° E. 140 lbs dist
marked T 14 N. R 24 E
S 28. B. S.

Band level & rolling
Soil 3² rate
Good grazing -
Timber scattered juniper -

N 89° 10' E on a random
line bet. Secs 28 + 33,

to 13° 42' E

40,000 Set temporary 1/4 Sec Cor

80,19 Intersect N + S line
15 lbs N of cor. to Secs

T 14 7 R 2 4 E

Chas

27-28-33+34 from which
Cor. Iron-

S 89° 17' W on a true line
beh. Secs 28+33 with
same 'ba,

40.09 } Set a post 3 ft. long 4
ins sq. with marked flour
12 ins in the ground for
1/4 Sec Cor. marked 1/4 S on
N. face Dig pits 18x18x
12 ins E + W of post 5 1/2
ft. dist. & raised a mound
of earth 1 1/2 ft. high
3 1/2 ft. base around post,
from which

A juniper 10 ins diam by
N 75° E 20 lbs dist, marked
1/4 S. B. T

A juniper 20 ins diam by

T 14 N. R 24 E

Obs -

S 42° E 21 lks dist. marked
1/4 S. B. T

80,19

The Cor. to Secs - 28-29-32 T33
Rolling -
Soil 32 rats,
Good grazing
Timber juniper

North bet. Secs 28 + 29
to 13042' E.

17,50
40,00

Over rolling prairie
Enter timber bet E + W.
Set a post 3 ft. long
4 ins sq with marked
stone 12 ins in the ground
for 1/4 Sec Cor. marked
1/4 S on W face, Dug pits
18 x 18 x 12 ins N + S of post

BOOK 168

S 14 N. R 24 E

Chs.

80.00

$5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post
 set a post 4 ft. long 4 ins sq. with marked stone 12 ins in the ground for cor. to Secs 20-21-28 & 29 marked S 14 N, S 21 on N. E, R 24 E, S 28 on S. E, S 29 on S. W & S 20 on N. W. faces with 2 notches on S & 4 notches on E edges. Dug pits $18 \times 18 \times 12$ ins in each Sec - $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base around post, from which a jumper 6 ins diam bars

T 147, R 24 E

Chs

T 310 E, 81 lbs dist marked

T 14 N, R 24 E, S 21 B, T,

A juniper 6 ins diam brs.

S 340 E 27 lbs dist marked

T 14 N R 24 E, S 28 B, T,

A juniper 14 ins diam brs

S 470 W, 104 lbs dist marked

T 14 N R 24 E, S 29 B, T,

A juniper 20 ins diam

brs N 350 W 62 lbs dist

marked T 14 N, R 24 E S

20, B, T,

Band rolling

Soil 2 ~~in~~ + 32 feet,

Good grazing -

Smoky juniper -

S 14 N. R 24 E

Obs.

N 89° 10' E on a random
line bet. Secs 21 + 28.

ba 13° 42' E

40.00 Through scattering timber
set a temporary $\frac{1}{4}$ Sec Cor

42.00 Top of ridge bet N + S.

Descends gradually.

80.16 Intersect N + S line 12

lbs S of Cor. to Secs - 21 -
22 - 27 + 28 from which
Cor I run -

S 89° 5' W on a true line
bet. Secs - 21 + 28 with
same ba -

40.08 Set a post 3 ft. long
4 ins sq with marked
stone 12 ins in the ground
for $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$
S on N. face, Dug pits

T 14 N. R 24 E

chs -

18 x 18 x 12 ins E + W of
post 5 1/2 ft. dist, raised
a mound of earth 1 1/2 ft.
high 3 1/2 ft. base around post
from which -

A juniper 20 ins diam hrs
S 210° E 10 lbs dist, marked
1/4 S. B. S.

A juniper 12 ins diam hrs -
N 8 1/2° W 64 lbs dist, marked
1/4 S. B. S.

80.16

The Cor. to Secs - 20-21-28

T 29

Soil rolling

Soil 32 rate

Good grazing

Timber scattering

Juniper

BOOK 168

T 14 N. R 24 E

Chs -

North bet. Secs 20 & 21

T₁₄ 13042' E,

Through timber -

22,000

Top of low hill bet. N. E

40,000

Set a post 3 ft. long 4 ins
sq with marked stone 12
ins in the ground for $\frac{1}{4}$
Sec Cor. marked $\frac{1}{4}$ on W
face. Dig pits 18 x 18 x 12 ins
N & S of post 5 $\frac{1}{2}$ ft. dist.
& raised a mound of earth
1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base
around post. Run in in

80,000

Set a post 4 ft. long 4
ins sq with marked
stone 12 ins in the
ground for Cor. to Secs
16-17-20 & 21 marked
S 14 N. S 16 on N. E

BOOK 168

S 14 N R 24 E

Obs

R 24 E, S 21 on S. E,
 S 20 on S. W +
 S 17 on N. W. faces +
 with 3 notches on S +
 4 notches on E edges -
 Dry pits 18 x 18 x 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 from
 which -

A juniper 8 ins diam
 hrs N 71° E 149 lbs dist.
 marked S 14 N, R 24 E
 S 16 B. S.

A juniper 12 ins diam hrs -
 S 50° E 54 lbs dist. marked
 S 14 N, R 24 E, S 21 B. S.

A juniper 10 ins diam

T 14 N, R 24 E

Chas

brs S 90° W 142 lks dist,
marked T 14 N, R 24 E, S 20 B 5
A juniper 18 mis diam brs N 26° W
119 lks dist, marked T 14 N R 24
E, S 17, B. 5,

Band rolling

Soil 32 rates

Good grazing

Timber scattering juniper

N 89° 10' E on a random
line bet. Secs 16 + 21
va 130 42' E.

Over rolling ground
Set temporarily 1/4 Sec
Cor -

40.00

80.19

Intersect N + S line
14 lks N of Cor, to Secs

S 14 N, R 24 E

Chs -

15-16-21+22 from which
Cor. Iron -

S 89° 16' W on a true line
bet. Secs 16 + 21 with same
ba -

40.09

Set a post 3 ft long
4 ins sq with marked
stone 12 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
S on N. face. Dug pits
18 x 18 x 12 ins E + W of
post 5- $\frac{1}{2}$ ft. dist. & raised
a mound of earth 1- $\frac{1}{2}$ ft.
high 3- $\frac{1}{2}$ ft. base around
post.

80.19

The Cor. to Secs 16-17-
20+21

Band rolling
soil 3^d rate
Good grazing

S 14 7/8. R 24 E

Chs-

Timber scattering
Juniper

North loc. Secs 16 & 17

T₂ 13042 E

40.00

Over rolling prairie
 set a post 3 ft. long
 4 ins sq. with marks
 above 12 ins in the ground
 for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S
 on W face. Dug pits 18 x
 18 x 12 ins N & S of post
 5 $\frac{1}{2}$ ft. disk. & raised a
 mound of earth 1 $\frac{1}{2}$ ft.
 high 3 $\frac{1}{2}$ ft. base around
 post, from which
 a juniper 10 ins diam br
 S $\frac{1}{4}$ 45° E 115 lbs disk.
 marked $\frac{1}{4}$ S. B. 5

BOOK 168

T 14 N. R 24 E

Cha.

a juniper 18 ins diam
 bed at 400 W 43 lbs dist.
 marked $\frac{1}{4}$ S. B. T.

8000 Set a post 4 ft long
 4 ins sq. with marked
 stone 12 ins in the ground
 for Cor. to Secs. 8-9-16 & 17
 marked T 14 N S 9 on N. E.
 R 24 E. S 16 on S. E. S
 17 on S. W & S 8 on N. W. faces
 with 4 notches on S & E
 edges. Dug pits 18 x 18 x 12
 ins in each Sec $5\frac{1}{2}$ ft.
 dist. & raised a mound
 of earth 2 ft. high $4\frac{1}{2}$
 ft. base around post.
 Sand rolling
 Soil 32 rats
 Good grazing

T 14 N. R 24 E

Chs -

N 89° 10' E on a random
line bet. Secs 9 + 16
va 13° 42' E.

Over rolling prairie
Set temporary $\frac{1}{4}$ Sec Cor.

40,00

56,00

80,13

Enter timber bet N + S.
Intersect N + S line 9
lbs N of Cor to Secs 9 - 10
- 15 + 16 from which Cor,
I run

S 89° 14' W on a true line
bet. Secs - 9 + 16 with
same va.

40,06

Set a post 3 ft. long 3 ins
sq with marked stone
12 ins in the ground for
 $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$ Sec
on N. face, Dug pits
18 x 28 x 12 ins E + W of

T 147, R 24 E

Obs -

post $5\frac{1}{2}$ ft. dist, & raised
 a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base around
 post, from which
 a juniper 6 ins diam
 bed $S 30^{\circ} W 126$ lbs dist.
 marked $\frac{1}{4}$ S. B. 5

80.13

The Cor. to Secs 8-9-16+17
 Band rolling
 Soil set at 2nd rate
 Good grazing
 Timber scattering juniper

North bed, Secs 8+9

to $130^{\circ} E 2'$

Over rolling prairie
 Cross wash 16 lbs wide
 course at $40^{\circ} E$

9.00

T 14 N. R 24 E

Chs

- 29.70 Enter juniper timber hrs
N. E.
- 39.00 Enter flat & leave timber
40.00 Set a post 3 ft. long 4
ins sq with marked stone
12 ins in the ground for
1/4 Sec Cor. marked 1/4 S
on W. face. Dig pits 18 x
18 x 12 ins N & S of post
5 1/2 ft. dia. & 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 sq. with marked
stone 12 ins in the
ground for Cor. to Secs
4-5-8+9, marked T 14 N
S 4 on N. E. R 24 E. S
9 on S. E. S 8 on S. W &
S 5 on N. W face -

T 14 N. R 24 E

Obs -

with 5 notches on S
 + 4 notches on E edges
 Dug pits 18 x 18 x 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,
 from which

A juniper 20 ins diam
 hrs S 40 E. 74 lbs dist -
 marked T 14 N. R 24 E

S 9. B. 5.

A juniper 18 ins diam
 hrs S 76 W 191 lbs dist.
 marked T 14 N R 24 E, S

& B. 5. No other trees -

band rolling

Soil 5² rate

Good grazing

Timber scattering juniper

S 14th N. R 24 E

Obs -

N 89° 10' E on a random
line bet. Secs - 4 + 9.

ba 13042' E

Over flat surface.

21.00 Leave flat bet N + S.

Ascend gradually -

40.00 Set temporary $\frac{1}{4}$ Sec Cor.

42.00 Top of low ridge bet N. E.

Descend gradually -

74.00 Enter flat

79.89 Intersperse N + S line 13

lbs S of Cor. to Secs 3-4-9+10
from which Cor. Run -

S 89° 4' W on a true
line bet. Secs - 4 + 9.

ba 13042' E

39.94 Set a post 3 ft. long
4 ins sq. with marked
stone 12 ins in the
ground for $\frac{1}{4}$ Sec Cor

94

BOOK 168

S 14 N. R 24 E

Obs -

marked $\frac{1}{4}$ S on N. face
 Ring pits - 18 x 18 x 12 ins
 E + W of post 5 $\frac{1}{2}$ ft.
 dia. & raised a mound
 of earth $\frac{1}{2}$ ft. high
 3 $\frac{1}{2}$ ft. base around post
 from which -

A juniper 11 ins diam
 has fl 70 E 8 lbs dia.

marked $\frac{1}{4}$ S B. S.

A juniper 13 ins diam has
 fl 50 W 36 lbs dia -
 marked $\frac{1}{4}$ S. B. S.

79.89

The Cor. to Secs 4-5-8+9

Band rolling

Soil 3rd raled

Good grazing



North on a random line

T. 4 N. R. 24 E.

lbs -

bet. Secs 4 + 5.

to a 13° 42' E

- 23.00 Enter timber bet N. E + S. W
- 40.00 Set temporary $\frac{1}{4}$ Sec Cor.
- 42.40 Leave timber bet E + W,
- 44.15 Cross road bet E + W,
- 49.20 Cross Colorado river 115 lbs
wide course N. W,
- 80.14 Intersect North By of Sp-
17 lbs E of Cor to Secs
4-5 - 32 + 33 which is a
sand stone 12 x 10 in is
set firmly in the ground -
properly marked + notched
with felt in each
Sec 5 $\frac{1}{2}$ ft. dist.

from which Cor. D. runs
7' E on a true line bet,
Secs - 4 + 5 with same ba -

T 14 N. R 24 E

Obs -

40.14

Set a post 3 ft. long
 4 ins sq with marks
 stone 1/2 ins in the ground
 for 1/4 sec cor. marked
 1/4 S on W. face, Dug pits
 18 x 18 x 12 ins N + S of stone
 5 1/2 ft. diam. & raised a
 mound of earth 1/2 ft. high
 3 1/2 ft. base around post
 from which

A juniper 24 ins diam hrs -
 N 5-60 E, 44 lbs diam,
 marked 1/4 S. B. T

A juniper 8 ins diam hrs -
 N 89 W 2.02 lbs diam -
 marked 1/4 S. B. T,

80.14

The Cor to Secs 4-5-8+9
 to and rolling
 Good grazing

S 14 U, R 24 E

Obs.

Soil 1st & 2nd rate
 Timber scattering juniper -
 I carefully examined
 the adjustments of my
 Solar Compass to day
 particularly the latitude
 & reversing apparatus &
 found them correct

Aug 28 - 1882.

From the Cor. to Secs -
 5-6-31 & 32 on S. By of Sp -
 which is a level stone
 14 x 8 x 6 ins set firmly
 in the ground properly
 notched & with pits
 & mounds in each Sec

Thence I run North bet. Secs 31 & 32

T 14 N, R 24 E

Chs -

29.50

40.00

Through timber
 Exam timber hrs N. E + S W
 Set a post 3 ft. long
 4 ins sq. with marked
 stone 12 ins in the ground
 for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S
 on W. face. Dug pits
 18 x 18 x 12 ins N + S of post
 5 $\frac{1}{2}$ ft. dist. + raised a
 mound of earth 1 $\frac{1}{2}$ ft.
 high 3 $\frac{1}{2}$ ft. base around
 post, from which -

A 6 in pipe 6 ins diam hrs
 N 30 E, 2.00 chs dist.
 marked $\frac{1}{4}$ S. B. S.

80.00

Set a post 4 ft. long
 4 ins sq. with marked
 stone 12 ins in the
 ground for Cor. to Sec -

T 14 N. R 24 E

Chs

29-30-31-32 marked

T 14 N. S 29 on N. E.

R 24 E. S 32 on S. E.

S 31 on S. W &

S 30 on N. W. faces with
1 notch on S & S notches on

E edges. Dug pits 18 x 18
x 12 in in each Sec 5 1/2

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

Band rolling

Soil 3² with

Good grazing

Timber scattered Juniper

N 89° 10' E on a random
line bet. Secs 29 & 32,

S 130° 42' E

T 14 N. R 24 E

Chs

2000

4000

7984

Over rolling land -

Low ridge lks N + S descend

Set temporary $\frac{1}{4}$ Sec Cor.

Intersect N + S line

14 lks N of Cor. to Secs -

28-29-32-33 from which
Cor. Run -S $89^{\circ} 16'$ W on a true line
bet. Secs - 29 + 32 with
same Va.

3992

Set a post 3 ft. long 4
ins sq. with marked stone
12 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S
on N. face Dug pits 18 x
18 x 12 ins E + W of post
5 $\frac{1}{2}$ ft. dist. + raised a
mound of earth 1 $\frac{1}{2}$
ft. high 8 $\frac{1}{2}$ ft. base

T. 4 N. R. 24 E

Chs.

79.84

around post,
 The Cor. to Secs 29-30-31 & 32
 Road rolling
 Soil 3^d netter
 Wood grazing

S 89° 10' W on a random
 line bet. Secs 30 & 31

to 13042' E

32,500

Over prairie -
 low ridge bet N & S.

34,000

Descend gradually,
 Enter timber bet N 32° E,

40,000

Set temporary 1/4 Sec Cor,

60,000

Leave timber bet N & S,

88,300

Intersect W. By of Sp -
 20 lbs N of Cor. to Secs
 25 - 30 - 31 & 36 which is a

T 14 N. R 24 E

Chs -

post set firmly in the ground properly
notched + marked + with pits
in each sec - + bearing trees properly
marked

from which Cor. I run
N 89° 01' E on a true
line bet. Secs 30 + 31
with same ba -

48.33

Set a post 3 ft. long
4 ins sq. with marks
stone 12 ins in the
ground for $\frac{1}{4}$ Sec Cor.
Unmarked $\frac{1}{4}$ S on N
face. Dig pits 18 x 18
x 12 ins E + W of post 5 $\frac{1}{2}$
ft. dist. + raised a mound
of earth $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base around post -
The Cor. to Secs 29-30-31

88.33

T 14 N, R 24 E

Chs.

and 32.

to and rolling

Soil 2nd + 3^d rate

Good grazing

Timber scattering Juniper

North bet. Secs 29 + 30
T_a 130 42' E.

Over rolling prairie -

Enter timber bet. N. E + S. W.

Crosslow spur bet. E + W.

Gross Dry wash Course N 30° E

Set a post 3 ft. long

4 ins sq. with marked
stone 12 ins in the groundfor $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S on W. face, Dug
pits 18 x 18 x 12 ins N + S
of stone 5 $\frac{1}{2}$ ft. dist

8.00

10.00

38.00

40.00

S 14 N. R 24 E

Chs

and raised a mound
of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around post
from which -

A juniper 8 ins diam
bfs at 87° E 9 lbs dist.
marked $\frac{1}{4}$ S. B. B.

A juniper 10 ins diam
bfs at 85° W 4 lbs
dist. marked $\frac{1}{4}$ S. B. B.

Beave timber N. E.

7 3.00

8 0.00

Set a post 4 ft. long 4
ins sq. with marked
stone 2 ins in the ground
for Cor. to Secs - 19-20-29
& 30 marked S 14 N.

S 20 on N. E. R 24 E

S 29 on S. E.

S 30 on S. W &

S 19 on N. W faces -

BOOK 168

T 14 N. R 24 E

Chs-

* with 2 notches on
 S + 5 notches on E edges
 Dry pits - 18 x 18 x 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.
 Band rolling
 Soil 200 + 3 of rate
 Good grazing
 Timber settling jumper

At 890 10' E on a random
 line bet. Secs 20 + 29.

to a 13042' E.

Over rolling plane
 Enter timber bet. A + S.
 Leave timber

5.50

33.00

T 14 N, R 24 E

Chs -

40.00
50.00
51.00Set temporary $\frac{1}{4}$ Sec Cor.
~~Cross~~ ~~boundary~~ ~~course~~ N-E
Enter timber -

80.16

Intersect N + S line -
14 lks. N of Cor. to Secs -
20 - 21 - 28 + 29 from which
Cor. I run -S 89° 16' W on a true line
bet. Secs - 20 + 29 - with
same Va -

110.08

Set a post 3 ft. long
4 ins sq. with marked
stone 12 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked
 $\frac{1}{4}$ S on W. face. Dug
pits 18 x 18 x 12 ins E + W
of post 5 $\frac{1}{2}$ ft. dia. &
raised a mound of earth
1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base
around post

T, 4 N, R 24 E

Chs -

80.16

The Cor. to Secs 19-20-29+30

band rolling

Soil 3^d rate -

Good grazing -

Timber scattering / juniper -

S 89° 10' W on a random
line bet. Secs - 19 + 30 -

by 13° 42' E.

Over open plain -

12.00

Top of low ridge hrs N + S.

40.00

Set temporary 1/4 sec cor.

88.71

Intersect Flw. By of

Sp - 15 lbs S of Cor. to
Secs 19-24-25+30 whichis a post set firmly in a
mound of earth properly marked.

+ notched + with pit in each

Sec. + bearing trees S. E. properly

T 14 N, R 24 E

Obs -

marked -

from which Cor. Dime
 Dr 890 16' E on a true
 line bet. Secs. 19 & 20 -
 with same va -

48.71

Set a post 3 ft. long
 4 ins sq. with marked
 stone 2 ins in the
 ground for $\frac{1}{4}$ Sec Cor.
 marked $\frac{1}{4}$ S on N. face.
 Dug pits 18 x 18 x 12 ins
 E & W of post $5\frac{1}{2}$ ft.
 dia & raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base around post -

88.71

Shu Cor. to Secs. 19 - 20 -
 29 + 30 -

T 14 N. R 24 E

Obs -

Band rolling
 Soil 2nd & 3rd rate
 Good grazing
 Timber settling timber.

North bet. Secs 19 + 20
 T. a 130 42' E.

Over rolling land -

14.00

Enter timber from E + W.

40.00

Set a post 3 ft. long 4
 ins sq. with marked stone
 12 ins in the ground for
 1/4 sec cor. marked 1/4 on
 W. face. Dug pits 18 x 18
 x 12 ins N + S of post 5 1/2
 ft. dia. & raised a
 mound of earth
 1 1/2 ft. high 3 1/2 ft.

T 14 N. R 24 E

Chs

base around post,
from which —
A juniper 10 ins diam
bed at 220 E, 4.1 lbs dist.
marked $\frac{1}{4}$ S. B. D.
A juniper 4 ins diam
bed — S 67 $\frac{1}{2}$ ° W 1.13 lbs
dist, marked $\frac{1}{4}$ S. B. D.
Set a post 4 ft long
4 ins sq. with marked
stone 12 ins in the
ground for Cor. to Sec.
17-18-19 & 20 marked
S 14 N. S 17 on N. E,
R 24 E. S 20 on S. E,
S 19 on S. W & S 18 on
N. W. faces 9 3 notches
on S & 5 notches on E
edges, Dry pits 187

80,000

S 14 N. R 24 E

chs -

18 x 12 ins in each dec
 5 1/2 ft. dist. and raised
 a mound of earth 2 ft.
 high 4 1/2 ft. base around
 post - from which
 A juniper 6 ins diam
 hrs N 48° E 7 lbs dist.
 marked S 14 N. R 24 E. S
 17 B. S.

A juniper 13 ins diam
 hrs S 36 E. 48 lbs dist.
 marked S 14 N. R 24 E. S
 20 B. S.

A juniper 8 ins diam hrs -
 S of 10 W 115 lbs dist -
 marked S 14 N. R 24 E. S 19 B. S.

A juniper 8 ins diam hrs -
 N 45° W 102 lbs dist, marked
 S 14 N. R 24 E. S 18 B. S.

S 14 T. R 24 E

Chs-

Band rolling,
Soil 2nd & 3^d rate
Good grazing
Timber settling if timber

At 89010' E on a random
line bet. Secs 17 & 20 -
to a 13042' E

Ascend gradually.

5,00

Cross low spur hrs.
N + S,

18,00

To save timber hrs N + S

19,00

Enter flat,

40,00

Set temporary $\frac{1}{4}$ Sec Cor

40.13

Cross wash coupe N -

41,00

To save flat & descend

51,00

Top of Hill hrs N, E.

40.14

Intersect N + S line

T 14-4 R 24 E

Chs -

12 lbs S of Cor. to Secs
16-17-20 & 21 from
which Cor. S 89° 05' W on a true
line bet. Secs 17 & 20 with
same ba -

40.07

Set a sand stone 36 x 18
x 6 ins 20 ins in the
ground for 1/4 Sec Cor.
marked 1/4 on N. face.
Dig pits 18 x 18 x 12 ins
E + W of stone 5 1/2 ft.
dist, & raised a mound
of earth 1 1/2 ft. high 3 1/2
ft base along side
The Cor. to Secs 17-18-19 & 20

80.14

band rolling
Soil 1st & 2d rate

Good grazing
Bunch scattering juniper

S 14 N, R 24 E

Chs

S 89° 10' W on a random
line bet. Secs 18 & 19

to a 13° 42' E,

Gradual descent -

6,000

Enter flat 20 ft. below Cor.

28,000

to same flat & ascend

40,000

Set temporary $\frac{1}{4}$ Sec Cor.

88,500

Intersect W. By of Sp -

23 lbs S of Cor. to Secs -

13-18-19 & 24 - which

is a post set firmly in a

mound of earth properly

marked & notched & with

pits in each Sec -

5 $\frac{1}{2}$ ft. dist.

from which Cor. Iron

S 14 N. R 24 E

Obs -

At 89° 20'E on a true line
 bet. Secs 18+19 with
 same ba -

4854

Set a post 3 ft. long 4
 ins sq with marked above
 12 ins in the ground for
 1/4 Sec Cor. marked 1/4 S on
 N. face. Dug pits 18x18x
 12 ins E & W of post 5 1/2
 ft. dia. & raised a mound
 of earth 1 1/2 ft. high 3 1/2 ft.
 base around post

8854

The Cor to Secs 17-18-19+20
 land rolling

Soil 2nd & 3rd rate

Good grazing

Timber scattering Juniper

T 14 N. R 24 E

Chs -

North bet. Secs 17 + 18
T 14 N 30 42 E,

Gradual descent

5,000 Leave timber hrs -
E + W.40,000 Set a post 3 ft. long 4
ms sq with marked
staked 12 ms in the
ground for $\frac{1}{4}$ sec cor.
Marked $\frac{1}{4}$ S on W. face
Dig pits 18 x 18 x 12 ms
N + S of post 5 $\frac{1}{2}$ ft. dia.
+ raised a mound of earth
 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base
around post.

46,000 Cross Sec. - passed gradually

64,000 Enter timber hrs N, E + S. W.

73,600 Cross spur hrs N E + S. W.

80,000 Set a post 4 ft long
4 ms sq with marked

T 14 N, R 24 E

Obs -

stone 12 ins in the ground
for Cor. to Secs 7-8-17+18
marked T 14 N, S 8 on N. E
R 24 E, S 17 on S. E; S 18 on
S. W + S 7 on N. W. faces -
with 4 notches on S +
5 notches on E edges -

Two pits 18 x 18 x 12 ins
in each Sec 5 1/2 ft. diam.
I raised a mound of earth
2 ft. high 4 1/2 ft. base
around post, from which
a juniper 8 ins diam has
N 100 E 97 lbs diam.
marked T 14 N, R 24 E, S
8, B, 5

A juniper 6 ins diam has
S 130 E 18 lbs diam, marked
T 14 N, R 24 E S 17 B 5

S 14 N, R 24 E

Chs -

Band rolling
 Soil 1, $\frac{1}{2}$ $\frac{1}{2}$ + $\frac{1}{2}$ rate,
 Good grazing
 Timber heat looking fine for

N 89° 10' E on a random
 line bet. Secs - 8 + 17
 to 13° 42' E.

Over rolling land -

3.00

Cross low spur bet Sec 8 -
 Sec 17

19.00

Cross Bay 3. - chs wide
 course N.

40.00

Set temporary $\frac{1}{4}$ Sec Cor.

80.19

Intersect N of line 17
 lbs N of Cor. to Secs -
 8 - 9 - 16 + 17 from which
 Cor. I run
 S 89° 17' W on a true

BOOK 783

T 14 N. R 24 E

Chs -

line bet. Secs 8 + 17

va 13042' E

4009

Set a post 3 ft. long 4 ins sq. with marked stone 12 ins in the ground for $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ S on N. face

Dug pits 18 x 18 x 12 ins E + W of post $5\frac{1}{2}$ ft. dist. + raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post. From which a juniper 12 ins diam hrs N 70 E 88 lbs dist. marked $\frac{1}{4}$ S. B. 5

A juniper 6 ins diam hrs S 27 W 91 lbs dist. marked $\frac{1}{4}$ S. B. 5.

4019

The Cor. to Secs 7-8-17+18 band rolling.
Soil 3d rate

T 14 N, R 24 E

Obs-

Good grazing
 Timber scattering Juniper.

S 89° 10' W on a random
 line bet. Secs 7 + 18
 to a 180° 42' E,

Over rolling prairie
 through scattering Juniper -
 Cross Sag 3.6 chs wide
 course N. E.

8,00

18,00

35,00

40,00

65,00

Leave timber bet N 57° W
 low spur bet N. + S.
 Set temporary 1/4 Sec Cor.
 Cross sag 5.6 chs wide
 course N. E.,

88.22

Intersect W. By of Sp.
 14 lbs S of Cor. to Secs -
 7-12-13 + 18 which is a

BOOK 108

T 14 N, R 24 E

Chs-

post set firmly in a mound of earth - with pits in each sec - properly marked & notched

from which Cor. Down - At 89° 14' W on a true line bet. Secs 7 & 18 with same Va,

48.22

Set a post 3 ft. long 4 ins sq. with marks above 12 ins in the ground for 1/4 Sec Cor, marked 1/4 on N. face. Dig pits 18 x 18 x 12 ins E & W of post 5 1/2 ft. dia, & raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

T 14 N, R 24 E

Obs -

88.22

The Cor. to Secs. 7-8-17+18.

Land rolling
Soil 3rd rate.Good grazing
Timber scattering juniperNorth bet. Secs 7 + 8.
ba 13° 42' E.

9.00

Over rolling prairie -
Cross bag 3.60 chs wide
Course W. E.

40.00

Set a post 3 ft. long 4
ins sq with marked
stone 12 ins in the ground
for $\frac{1}{4}$ sec cor. marked
 $\frac{1}{4}$ S on W. face, Dug
pile 18 x 15 x 12 ins N + E
of post 5 $\frac{1}{2}$ ft. dist

T 14 N. R 24 E

Chs -

raised a mound of earth
1 1/2 ft. high 3 1/2 ft. base
around post.

45.00

Enter flat -

80.00

Set a post 4 ft. long
4 ins sq. with marked
stone 12 ins in the
ground for Cor. to Secs
5-6-7 & 8 marked T 14 N.
S 5 on N. E. R 24 E. S
& on S. E. S 7 on S. W
& S 6 on N. W. faces -
with 5 notches on S + E
edges - Dug pits 18 x 18 x
12 ins in each Sec 5 1/2
ft. dia. & raised a
mound of earth 2
ft. high 4 1/2 ft. base
around post

T 14 N, R 24 E

Obs -

Band rolling
Soil, etc & rate
Timber scattering juniper
Good grazing

At 89010' E on a random
line bet. Secs - 8 & 9.

On 13042' E

Over flat surface -

20.00

Beave flat & as desc gradually

34.00

Top of table land -

40.00

Set temporary 1/4 Sec cor -

60.00

Descend.

78.00

Beave timber -

80.00

Intersect A & B line

10 lbs S of cor. to Secs

4-5-8 & 9 from which

Cor. I run -

89003' W on a line

T 14 N. R 24 E

Chs-

line bet. Secs 5+8 with
same Va.

40.04

Set a post 3 ft. long
4 ins sq with marked
stone 12 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked
 $\frac{1}{4}$ S on N. face Dug pits
18 x 18 x 12 ins E of the
of post $5\frac{1}{2}$ ft. dia.
& raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base around post.

40.09

The Cor. to Secs 5-6-7+8
band rolling
soil 2nd & 3rd rate
good grazing

S 89° 10' W one random

126

BOOK 168

T 14 N, R 24 E

Chs -

line bet. Secs - 6 + 7.

to a 130° 42' E.

Over flat.

14.00

Beaver flat.

17.50

Enter timber

40.00


Set temporary $\frac{1}{4}$ Sec Cor.

88.10

Intersect W of By of Sp-

10 the S of Cor. No Secs.

1-6-7-+12 which is a
post set firmly in a mound
of earth, properly marked
& notched & with
pits in each Sec:
5 $\frac{1}{2}$ ft. diam.



From which Cor
Down

At 89.15' E on a line

T 4 N. R 24 E

Obs -

line bet. Secs - 6 + 7 with
same Va -

48.10 Set a post 3 ft. long 3
ins sq. with marked stone
12 ins in the ground for
 $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ S
on N. face. Dug pits 18
 \times 18 \times 12 ins E + W of post
5 $\frac{1}{2}$ ft. dia. & raised a mound
of earth $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
ft. base around post -
from which -

A juniper 8 ins diam has
N $15-50$ E. 75 lbs dia.
marked $\frac{1}{4}$ S. B. S.

A juniper 12 ins diam
has S. 30 W 110 lbs.
diam. marked $\frac{1}{4}$ S. B. S.

128

BOOK 168

T 14 N, R 24 E

Chs —

88,10 She Cor. to Secs. 5-6-7+8
 Band rolling -
 Soil 2nd + 3rd fate.
 Good grazing
 Timber scattered juniper -

North on a random
 line bet. Secs. 5+6,
 T₁₄N R₂₄E,

A very flat,

4,000 to ~~some~~ timber

4,000 ^{temporary} Sit. 1/4 Sec Cor.

5-4,000 Cross Ballbrook + St. Johns
road bet. St. W.

80,17 Intersect St. By of Sp
13 lks E of Cor. to Secs.
5-6-31732 - which is a

T 147, R 24 E

cls -

from which Cor. I run
 S 6' E on a true line bet.
 Secs - 5 & 6 with same
 Va.

40,17 Set a post 3 ft. long $\frac{3}{4}$ in sq with marked
 stone 12 in in thk ^{for 1' elev. cor.} $\frac{1}{4}$ in wide, marked
 $\frac{1}{4}$ in W. face - Dig pits 18 x 18 x 12
 in N & S of post $5\frac{1}{2}$ ft. dia, & raised
 a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base around post

80,17 The Cor. to Secs - 5-6-7 & 8.
 Band rolling
 Soil 2nd & 3rd rate.

Good grazing
 Timber scattering Juniper

T I V U R 2 4 E

Obs -

I carefully examined the adjustments of my Solar Compass. Particularly the latitude & reversing apparatus & found them correct.

Aug 29 - 1882 -

General Description -

The Sp. is very thickly timbered -

The flats are good farming land - All the east & North east is watered by the Little Colorado and its tributaries -

The swamp land in the north is caused by the river running in many different channels - the land being so flat, The whole of the swamp land can be drained into the one main channel

T 14 N R 24 E

cls -

of the river and leave these swamps - dry and fit for cultivation -

The soil in the flats is 1st & 2nd rate & the grazing throughout is excellent -

There is one settler in this Township whose claim is in the south-east cor. of Sec 4 -

Improvements - house stable & stone-house - stock corral & fencing and irrigating ditch

valued at \$500 -

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U. S. Surveyor General's Office,
Tucson, Arizona, February 7, 1883

The foregoing Field Notes of the survey of

Subdivision Lines

of Township 14 North,

Range 24 East.

of the Gila and Salt River Base and Meridian, Arizona,
executed by O. W. Wheeler,
D. S., under his contract of the 31st day of
May, 1882, having been critically ex-
amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Ross
Surveyor General.