

*Entered
Indexed*

No 354

Field Notes

OF THE SURVEY OF THE

Superior
mine

-OF- BOOK 354

Township *20* or. Range *14* E.

Gila and Salt River Base and Meridian

ARIZONA.

By *C. D. Wheeler* D.S.

Under contract dated *Aug. 5* 18*82*

Survey commenced *Sept. 30* 18*82*

Survey completed *Oct. 6* 18*82*

No 354

354

C
7
Survey commenced Sept. 30th
Survey completed Oct. 6th/82

For description of instrument
and preliminary of notes
see Book 1

T. 20 N. R. 14 E.

Chain

From the Cor. to Sec.
12, 35 and 36 on the
South boundary of the
Twp. recently established
by me. I run
North bet. Secs. 35 and 36
Ta. 120° 30' E.

Ascend gradually

30.15 Top of ridge bet. Sec. E. and S. W.
and descend gradually

4000 Set a sand stone, 14 x 8 x 5 ins., 9 ins.
in the ground for $\frac{1}{2}$ Sec, Cor, marked $\frac{1}{2}$ on N.
face, dug pits 18 x 18 x 12 ins. N. and S.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

8000 Set a sand stone 7 x 6 x 4 ins., 11 ins. in
the ground for Cor, to Secs, 25, 26, 35, 36 marked
with / notch on S. and / notch on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft.
dist. and raised a mound of earth 2 ft. high.
 $4\frac{1}{2}$ ft. base. alongside.

S. 20 N. R. 14 E.

Chain

Sand rolling
 Soil about 2nd. rate
Good grazing

East on a random
 line bet. Secs. 25 and 26
 $\text{Jn. } 10^{\circ} 30' \text{ E.}$

Descend gradually

38.78 Begin to descend abruptly

40.00 Set temporary $1/4$ Sec. Cor.

55.15 Top of ridge bet. N. E.

and S. N. and descend

80.08 Descend E. boundary of

the $\text{Jn. } 27$ links E. of

of the Cor. to S.W.

25. 20. 31 and 26 which

was recently established

by me. Thence I run

$\text{S. } 79^{\circ} 48' \text{ N.}$ on a true

line bet. Secs.

U. 20 N. R. 14 E.

Chairs

- 40.04 25 and 36 with same ca
 Set 4 sand stone 45x32
 x 4 ins. 33 ins in the
 ground for "4 Sec. Cor.
 marked "4 m. Ch. face
 and raised a mound
 of stone. along side
 Pits unpracticable
- 8008 The top. to Secs. 25, 26, 35 and 36
 West half level E. half rough
 Soil 4th rate
Good grazing
- North pt. Sec. 25 and 26
 Va. 13°30'E.
- 725 Descend gradually
 West Co. N. 30° E. and
 continue to descend
- 20.50 Enter level land

T. 20 N. R. 14 E.

Chains

4000

Set a sand stone $4 \times 8 \times 5$ ins., 9 ins. in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on N. face, dug pits $18 \times 18 \times 12$ ins. N. and S. of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

8000

Set a sand stone $20 \times 10 \times 4$ ins., 16 ins. in the ground for Cor, to Secs, 22 24, 25 26 marked with 2 notches on S. and 1 notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft. base. alongside.

Soil rolling
Soil 3rd. rate
Good grass

Cast on a random line
bet. Sec. 24 and 25
Va. $13^{\circ} 30' E.$

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

4000

S. 20 St. R. 14 E.

Chairs

7990 Entered E. C. of Jp.
5 hrs. A. of the Cor.
to Sec. 19, 24, 25 and 30
which was recently established
by me. Thence I run S.
59° 58' W. on a true line
bet. Sec. 24 and 25 with
same ve.

3995 Set a sand stone, 4 x 8 x 5 ins. 9 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$ on St.
face, dug pits 18 x 18 x 12 ins. E. and W.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

7990 The Cor. to Sec.
23, 24, 25 and 26
Land nearly level
Soil 3rd. rate
good grazing

S. 20 N. R. 14 E.

Chairo

North lot. Sec. 23 and 24
Va. 18000'E.

Over level land

675

Top of rocky hill to
E. and W. 40 ft. high
and down

4000

Deposited marked
stone 12 ins. in the
ground for 1/4 Sec. Cor.
dug pits 18x18x12
ins. N. and S. of
stone 5 1/2 ft. dist.
and raised a mound
of earth 1 1/2 ft. high 3 1/2
ft. base over it.On N. lot drove a
stake 2 ft. long 2 ins.
sq. 12 ins. in the
ground marked
1/4 S. on N. lot

J. 20 N. R. 14 E.

Chains

70.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Secs, 13/4, 23 and 24 marked T. 20 N. S. 13 on N. E. R. 14 E. S. 24 on S. E. S, 23 on S. W. and S, 14 on N. W. face, with 3 notch on S, and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high. 4 1/2 ft. base. around post.

Surface rolling and level
Soil 3rd. rate
Good sacaton grass

East on grand one line
bet. Secs. 13 and 24
Va. 13° 30' E.

40.00
8026

Acquid gradually
Set temporary "4" Sec. Cor.
Intersect. S. B. of S.
43 links or of the Cor.
to Secs. 13, 18, 19 and 24

T. 20 S. R. 14 E.

Chairs

which was recently set-
hiked by me. Then a I
ran N. 89° 42' W. on a
true line bet. Sec.

13 and 24 with same ca.

40.13

Set a post 3 ft. long 3 ins. diam 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. and N. of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. around
post.

50.26

The Cor. to Secs. 13, 14, 23 and 24

Surface rolling
Soil 2d. rate

Good Sacaton grass

North bet. Secs. 13 and 14

Va. 13° 30' E.

Down gradually

T. 20 N. R. 14 E.

Chains

4000

Set a sand stone, $14 \times 9 \times 4$ ins., 9 ins. in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on N. face, dug pits $18 \times 18 \times 12$ ins. N. and S. of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

5012

Draw 50 links wide to N. 30° E. and record

8000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor, to Secs, 11, 12, 13^{and} 14 marked T. 20 N. S. 12 on N. E. R. 14 E. S. 13 on S. E. S, 14 on S. W. and S, // on N, W, faces with 4 notch on S, and / notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft. base. around post.

Surface rolling and level
Soil 3rd. rate
South half good pasture
grass N. half not.
so good.

T. 20 Cr. R. 14 E.

Chains

East on a range on line
bet. Sec. 12 and 13

Va. $13^{\circ}40'E$.

Descend gradually

4000

Set limit range T₁₄ Sec. Cor.

50.50

Draw 25 links wide Co.

at $20^{\circ}E$. and ascend

79.82

Intersect E. B. of the Sp.

30 links cr. of the Cor.

to Sec. 7, 12, 13 and 18

which was recently
set to the line by me.Thence I run at $89^{\circ}47'$

on a true line bet. Sec.

12 and 13 with same va.

39.91

Set a post 3 ft. long 3 ins. diam 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. and N. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.

7.20 or. R. 14 E.

Chains

79.82 The line to Secs. 11, 12, 13 & 14
 Surface smooth
 S. of end. note
But little grass

North lot. Secs. 11 and 12
 Va. 13° 30' E.

Acres gradually

4000 Set a post 3 ft. long 3 ins. diam 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. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around
 post.

8100 Set a post 4 ft. long 4 ins. square, with marked
 stone, 12 ins, in the ground for Cor, to Secs,
 12, 11 and 12 marked T. 20 N.S. / on
 N. E. R. 14 E. S. 12 on S. E, S, 11 on
 S, W, and S, 2 on N, W, faces, with 5 notch
 on S, and / notch on E. edges, dug
 pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft.
 base. around post.

S. 20 Cr. R. 14 E.

Chains

Surface greatly rolling
Set Ord. to 4th the north
Grazing from some oaks to north

East on a random line
bet. Sec. 1 and 12
Va. $13^{\circ}45'E$.

Traced gradually

4000
79.62
Set temporary "4 Sec. line"
Intruded E. C. of the Sp.
48 links N. of 1st the Cor.
to Sec. 1, 6, 7 and 12
which was recently
established by me.
Thence I run N. $89^{\circ}39'N$.
on a true line bet. Sec.
1 and 12 with some va.

39.81
Deposited marked stone
12 ins. in the ground
for "4 Sec. line" day

Sto. Cr. R 14 E.

Chains

pit 18 x 19 x 12 ins. E.
and N. of stone 5¹/₂
ft. dist and raised
a mound of earth
1¹/₂ ft. high 3¹/₂ ft.
wide over it. On
E. pit drove a stake
2 ft. long 2 ins. sq. 12 ins
in the ground marked
"4 S. on Cr. face

79.62

The Cr. to Sea 1, 2, 3 and 4
Surface gently rolling
Soil 2nd rate
good grass

North on a line
line bet. Sea 1 and 2
Va. 13045 E.
Ascend gradually

T. 20 N. R. 14 E.

Chains

40.00

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

55.00

Top of ridge trs. N. 50° E. 30 ft. high and descend

78.06

Intersect 5th Standard Parallel North 19.72 Chs. N. of the Sec. Cor. to Sec. 35 and 36 which was recently established by me. At point of intersection set a sandstone $15 \times 12 \times 5$ ins. 10 ins. in the ground for Blowing Cor. to Sec. 1 and 2 marked C.C. with 1 notch on E. and 5 notches on N. edge

S. 20 of R. 14 E.

Chains

and raised a mound
of stone along side
Pits impracticable
Surface gently rolling
Soil 4th rate
Little grass

I carefully examined
the adjustments
of my Solar Compass
to-day particularly
the latitude and
reversing apparatus
and found them correct.

John Mahon Comptroller
Sept. 30 1882.

T. 20 of R. 14 E.

Chains

From the Cor. to Sec. 2, 3, 34 and 35 on the S. E. of the Sp. which was recently established by me.

Down North lot Sec. 34 and 35 Pa. 13030' C.

Down gradually

40.00

Set a sand stone, 4 x 4 ins., 9 ins. in the ground for 1/4 Sec, Cor, marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft, high, 3 1/2 ft. base. alongside.

70.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 26, 27, 34 & 35 marked T. 20 N. S. 26 on N. E. R. 14 E S. 35 on S. E, S, 34 on S, W, and S, 27 on N, W, face, with notch on S, and 2 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. alongside.

J. 20 St. R. 14 E:

Chains

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

Land gently rolling
Soil about 3rd rate
Excellent pasturage
A me 24 1/2 post

East of a road on line
bet. Sec. 26 and 35

Co. 13° 20' E.

Descend gradually

4.000 Set line from end of Sec. 26

79.91 to north 50 links wide

Co. St. 10° E, and ascend

80.18 distance of end of line

22 links S. of 1st Cor.

to Sec. 25, 26, 35 and 36

Thence down S. 89° 51' W.

on a true line bet. Sec.

26 and 35 with corner

T. 20 cr. R. 14 E.

Chavis

40.09 Set a sandstone 25x18
x 4 ins 18 ins. in the
ground for "4 Sec. Cor.
marked "4 on N.
face: and raised a
mound of stone alongside
Pits impracticable

80.18 The Cor. to Sec.
26, 27, 34 and 35
Surface rolling
Soil sandy 3rd. rate
good grass

North pt. Sec. 26 and 27
Va. 13° 30' E.

40.00 Dug gradually
Dipointed marked
stone 12 ins. in the
ground for "4 Sec.
Cor. dug pits 18x18 x

0.20 N. R. 4 E.

Chains

12 ins. N. and S. of
stone $5\frac{1}{2}$ ft. dist. and
raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base. over it. In
N. pit drove a stake
2 ft. long 2 ins. sq. in
and in the ground
marked $\frac{1}{4}$ S. on N. face

80.06

Set a sand stone $5 \times 7 \times 5$ ins, 10 ins. in
the ground for Cor, to Secs, 22, 23, 26, 27 marked
with 2 notch \ast on S. and 2 notch \ast on E. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft.
dist. and raised a mound of earth 2 ft, high.
 $4\frac{1}{2}$ ft. base. alongside.

Surface very gently rolling land
Soil. 3rd. rate
Grazing good on nearly all.

J. 20 cr. R. 14 E.

Chassis

Cut on a road on line
bet. Sec. 23 and 26

Va. 13000' E.

Descend gradually

20.15

Enter level land

40.00

Set temporary "4" Sec. Cor.

80.30

Intersect. N. and S.
line of line's N. of the
C. or. to Sec. 23, 24,
25 and 26 Thence I
run N. 89° 57' W. on
a true line bet.

Sec. 23 and 26 with
same va.

40.15

Deposited marked
stone 12 ins. in the
ground for "4" Sec. Cor.
dug pits 18x18x12 ins.
E. and N. of stone 542
ft. dist. and raised

S. 20 Cr. R. 14 E.

Chains

a mound of earth $1\frac{1}{2}$
ft. high $8\frac{1}{2}$ ft. base
over it: Dred & pit
drove a stake 7 ft.
long 2 ins. sq. 1 2 ins. in
the ground marked
114 S. on St. face

8 0.30

The Cor. to Secs 22, 23, 26
and 27

Sand / rolling

Soil Ind. rate

Good grazing No timber
No stems.

North bit. Secs 22 and 23
Ta. 13030'E.

Ground

4 0.00

Deposited marked
stone 12 ins. in the
ground for 114 Sec. Cor.

S. 20 Cor. P. 14 E.

Chains

dug pits - $18 \times 18 \times 12$ ins.
 N. and S. of stone $5\frac{1}{2}$
 ft. dist. and raised
 a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 over it. In Cor. pit.
 drove a stake 2 ft.
 long, 2 ins. sq. 12 ins. in
 the ground marked
 14 S. and N. face.

8000

Set a post 4 ft. long 4 ins. square, with marked
 stone, 12 ins. in the ground for Cor. to Secs,
 14, 15, 22 and 23 marked T. 20 N. S. 14 on
 N. E. R. 14 E. S. 23 on S. E. S, 22 on
 S, W, and S, 15 on N, W, face, with 3 notch
 10 on S, and 2 notch 10 on E. edges, dug
 pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth 2 ft, high $4\frac{1}{2}$ ft.
 base. around post.

Gently rolling land
 Soil 3rd. rate

S. 20 of R. 14 E.

Chains

Good grazing

East on a random line
bet. Sec. 14 and 23

Va. $13^{\circ}30'E$.

Descend gradually.

40.00

79.98

Set temp. mark "4" Sec. Cor.

Intersect. N. and S.

line 22 like S. of

the C. to Sec. 13, 14.

23 and 24 Then I run

S. $89^{\circ}51'$ N. on a true

line bet. Secs. 14 and

23 with same va

39.99

Set a sand stone, $6 \times 10 \times 4$ ins. // ins.

in the ground for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{2}$ on N.

face, dug pits $18 \times 18 \times 12$ ins. E. and N.

of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth

$1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

79.98

The C. to Sec. 14.

10-22 and 23

T. 20 N. R. 14 E.

Chains

Surface gently rolling
Soil 2nd. rate
Poor grass

North pt. Sec. 14 and 15
Ta. 13° 05' 0" E.

As usual

40.00

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

80.00

Set a sand stone $15 \times 9 \times 7$ ins., 10 ins. in the ground for Cor, to Secs, 10, 11, 14, 16 marked with 4 notch 10 on S. and 2 notch 10 on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft. base. alongside.

Surface gently rolling
Soil 2nd. rate

T. 20 N. R. 14 E.

Chassis

Poor grass some sagebrush

Cast on a road on line
bet. Secs. 11 and 14

Pa. 10040' E.

Down road gradually

4000

Set marker on 1/4 Sec. Cor.

79.86

Subtract 1/4 and 1/2 line
12 links S. of the Cor.
to Secs. 11, 13 and 14

Thence I run S. 89° 55' W.
on a true line pt.

Secs. 11 and 14 with-

same va.

39.93

Deposited marked
stone 12 ins. in the
ground for 1/4 Sec. Cor.
dry pit - 18 x 18 x 12 ins.
E. end N. of stone 5 1/2
ft. dist. and raised

T. 20 N. R. 14 E.

Chains

a mound of earth
1 1/2 ft. high 3 1/2 ft.
base over it. On
E. side drove a stake
2 ft. long into soil.
12 ins. in the ground
marked 1/4 S. corner
N. face.

79.86 The Cor. to Sec.

10, 11, 14 and 15

Surface level

Soil 2nd to 3rd. rate

Very little grass

North pt. Sec 10 and 11

Va. 13° 40' E

Ascend gradually

40.00

Deposited marked
stone 12 ins. in the
ground for 1/4 Sec. Cor.

S. 20 N. R. 14 E.

Quins

dug pits 78 x 18 x 12
 no. N. and S. of stone
 5 1/2 ft. dist. and
 raised a mound of
 earth 1 1/2 ft. high
 3 1/2 ft. face over it.
 In N. pit - drove a
 stake 2 ft. long Quins.
 sq. 12 ins. in the
 ground marked "4 S."
 on N. face

0000

Top of ridge top.

80,000

Dr. and Dr. and disused
 Set a sandstone 14 x 12 x 4
 no. 9 no. in the ground
 for Cor. to Sec. 2, 3,
 10 and 11 marked with
 5 notes on S. and 1
 note on N. edge, and
 raised a mound

S. 20 Cr. R. 14 E.

Chains

of stone along side
 Pit - imperacticable
 surface rolling
 Soft ind. rate
Good grass

East on a round one line
 bet. Sec. 2 and 11

Va. 13040'E.

Ascend gradually

11.15 Top of ridge bet.
 Cr. E. and S. N. 25 ft.
 high and descend

40.00 Set temporary 1/4 Sec. Cor.

80.36 Intersect - E. and S. line
 7 links. N. of the Cor.
 to Sec. N. 2, 11 and 12

Thence I run N. 89°
 57' W. on a true line
 bet. Secs, 2 and 11

S. 20 Cr. R. 14 E.

Chains

with same va.

40.18

Set a post 3 ft. long 3 ins. diam 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. and W. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around post.

80.36

The Cor. to Secs. 2, 3, 10 and 11

Surface rolling
Soil about 3rd. rate
Good grass.

North on a true line
bet. Secs. 2 and 3

Va. $18^{\circ}40'E$.Dissent

40.50

Set a post 3 ft. long 3 ins. diam 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. N and S of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around

T. 20 et. R. 14 E.

Chains

post.

71.50 Wash 15 links wide
Co. St. $88^{\circ}E$. Continue to
down

78.10 Introduce 5th Standard
Parallel North 19.90
Cha. N. of the Standard
See Prof to Secs. 34 and 35
which was recently established
by me. At point of
introduction Set. a
sandstone $16 \times 10 \times 4$ ins.
11 ins. in the ground
for Closing Cor. to
Secs. 2 and 3 marked
C.C. with 2 notches
on E. and 4 notches
on N. edges dug pits
 $18 \times 18 \times 12$ ins. on E. and
N. of stone $5\frac{1}{2}$ ft.

S. 20 N.

R. 14 E.

Chains

dist: and raised a
mound of earth 2 ft.
high 4 $\frac{1}{2}$ ft. base alongside
Land rolling
Soil about 3rd. rate
Good grass

John Mahon Cooper as owner
Oct. 2nd. 1882.

From the W. to Sec.
34, 33 and 34 on the
S. E. of the J. which
was finally established
by me. I run
North bet. Sec. 33 and 34
T. 13 $^{\circ}$ 30' E.

Proceed gradually

4.000

Set a post 3 ft. long 3 ins. diam 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 16 x 12
ins. N. and S. of post 5 $\frac{1}{2}$ ft. dist. and raised

S. 20 N. R. 14 E

Chains

a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around post.

80.00 Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor. to Secs, 27, 28, 29, 34 marked T. 20 N. S. 27 on N. E. R. 14 E. S. 34, on S. E, S, 23 on S, W, and S, 28 on N, W, face, with / notch on S, and 3 notch ~~is~~ on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft. base. around post.

Surfau very nearly level
Soil about 2nd. rate

Good grass
Scattering sagitrum

East on a random line
bet. Secs. 27 and 34
Va. $13^{\circ} 30' E.$

Over level land

27.00 Begin to ascend gradually

S. 20 A. R. 14 E.

Chairs

40.00 Set temporary 44° Sec. Cor.

71/3 Top Ridge to S. and S. and
down

79.86 Intersect S. and S. line

40 links S. of the
Cor. to Secs. 26, 27, 34 and
35 - Thence S. run

S. $90^{\circ} 43'$ N. on a true
line bet. Secs. 27 and 34
with same v.

39.93

Set a sand stone, $20 \times 25 \times 4$ ins., 22 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$ on S.
face, dug pits $18 \times 18 \times 12$ ins. E. and N.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside.

79.86

The Cor. to Secs. 27,
28, 30 and 34

Surface nearly level
S. of 2nd. rate

1st half fair grass
2nd half good poor.

34

S. 20 N. R. 14 E.

Chavis

North pt. Sec. 27 and 28
T. 20 N. R. 14 E.

Over nearly level land

4000

Set a post 3 ft. long 3 ins. diam. 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. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around post.

7000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 21, 22, 27, 28 marked T. 20 N. S. 22 on N. E. R. 14 E. S. 27 on S. E, S, 28 on S, W, and S, 21 on N, W, face, with 2 notch 10 on S, and 3 notch 10 on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft. base. around post.

Surface rolling
Soil 3rd. rate
Good grass

S. 20 - Ct. - R. 14 E.

Chassis

East on a random line
bet. Secs. 22 and 27
Va. $130^{\circ} 30' 0''$ E.

32.35 Proceed gradually
Top of ridge S. Ct. and
D. and descend

40.00 Set temporary $1/4$ Sec. Cor.

79.70 Intersect Ct. and S. line
15 links. N. of 1 st cor.
to Secs. 22, 23, 26 and 27

Then I run Ct. $89^{\circ} 54' 11''$
on a true line bet.
Secs. 22 and 27 with
same va.

39.85 Deposited marked stone
12 ins. in the ground
for $1/4$ Sec. Cor. dug
pit 18 x 18 x 12 ins. E. and
N. of stone $5\frac{1}{2}$ ft. dist.
and raised a mound

C. 20 N. R. 14 E.

Chains

of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base over it.
 S. E. pit. drove a
 stake 2 ft. long 2 ins
 o.g. 12 ins. in the ground
 marked "4 S. on N. face

79.70

The Cor. to Sec. 21, 22, 27 and 28
 Land gently rolling
 Soil 3rd. rate
 Good grazing.
 No timber No stone

North pt. Sec. 21 and 22
 Va. 13° 40' E.

Descend gradually

40.00

Set a post 3 ft. long 3 ins. diam 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 N. and S. of post $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
 post.

S. 20 Cr. R. 14 E.

Chains

\$ 0.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 15, 16, 21 and 22 marked T. 20 N.S. 15 on N. E. R. 14 E. S. 22 on S. E, S, 21 on S, W, and S, 16 on N, W, faces with 3 notch on S, and 2 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft, high. 4 1/2 ft. base. around post.

Laid rolling

Soil 3rd. rate

Draining good
 The most valuable page to me
 General decline to the N.

Cast on a random line

bet. Secs. 15 and 22

Pa. 13° 30' E.

Abund

32, 12 Top of ridge bet. N. and S.
 5 to 6 ft. high and downward

P. 20 St. P. 14 E.

Chains

- 40.00 Set temporary $1/4$ Sec. Cor.
- 79.88 Intersect St. and S. line 38 links S. of the Cor. to Sec. 14, 15, 22 and 23. Thence S. $89^{\circ}44'$ N. on a true line bet. Secs. 15 and 22 with same va.
- 39.94 Set a sandstone $2 \times 15 \times 4$ ins. 15 ins. in the ground for $1/4$ Sec. Cor. marked $1/4$ on N. face and raised a mound of stone along side of Pitts' mispracticable.
- 79.88 The Cor. to Secs. 15, 16, 21 & 22
 Surface rolling
 Soil 4th rate
 Poor grazing

T. 20 N. R. 14 E.

Chairs

North 1st. Secs. 15 and 16
Va. 18°30'E.

4000

I sound very gradually
Set a post 3 ft. long 3 ins. diam 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. and W. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.

8000

Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
9, 10, 15, 16 marked T. 20 N. S. 10 on
N. E. R. 14 E. S. 15 on S. E, S, 16 on
S, W, and S, 9 on N, W, face, with 4 notch
on S, and 3 notch on E. edges, dug
pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.
and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft.
base. around post.

Surface level
Soil red. to 3rd. rate
Scattering grass and
sage brush.

T. 20 Cr. R. 14 E

Chairs

East on a sandstone line
bet. Secs. 10 and 15
Ta. $13^{\circ}32'E$.

Ascend gradually

34.00 Top of ridge of hrs. Cr. 20° E.
and descend

40.00 Set trap mark "4" Sec. 10.

80.16 Intersect N. and E. line
23 mi S. of the Cor.
to Secs. 10, 11, 14 and 15

Thence I run S. $89^{\circ}50'W$.
on a true line bet. Secs.
10 and 15 with sand wa.

40.08 Set a sand stone, $16 \times 10 \times 7$ ins. $1\frac{1}{2}$ ins.
in the ground for $\frac{1}{2}$ Sec, Cor, marked $\frac{1}{4}$. on N.
face, dug pits $18 \times 18 \times 12$ ins. E. and W.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

80.16 The Cor. to Secs
9, 10, 15 and 16

J. 20 Cr. R. 14 E.

Chavis

Land gently rolling
Soil 3rd. rate

Good grazing

North bet. Sec. 9 and 10

Ta. 13° 22' E.

4000
I would gradually
Deposited marked
stone 12 ins. in the ground
for "4 Sec. Cor. dig pit
18x18x12 ins. at end S.

of stone 5 1/2 ft. dist.
Land raised a mound
of earth 1/2 ft. high
3 1/2 ft. tall over it
In pit drove a
stake 2 ft. long 2 ins.
sq. 12 ins. in the ground
marked "4 S. side
N. face.

J. 20 St. R. 14 E.

Chains

8000 Deposition marked
 stone 12 ins. in the
 ground for Cor. to Sec.
 3, 4, 9 and 10 dug pits
 18 x 18 x 12 ins. in each
 Sec. 5 1/2 ft. dist. and
 raised a mound
 of earth 2 ft. high
 4 1/2 ft. from corner
 it. In S.E. pit
 drove a stake 2 ft.
 long into sq. 12 ins.
 in the ground
 marked
 J. 20 St. S. 3 on N.E.
 R. 14 E. S. 10 on S.E.
 J. 9 on S.W. and
 J. 4 on St. N. faces
 with 5 notches on S.
 and 3 notches on E. edge

S. 20 N. R. 4 E.

Chains

Surface gently rolling
 Not 3rd. rate
Good grazing

East on a random line
 bet. Secs. 3 and 10
 Va. $13^{\circ}30' E.$

Draw

35.00 Draw 40 links wide Co.
 N. $10^{\circ} E.$ and around

4.000 Set temporary "4 Sec. Cor.

8028 Introduce N. and S. line
 52 links S. of the Cor. to
 Secs. 2, 3, 10 and 11 Thence
 from S. 890 3 81 N. on
 a true line bet. Secs.

3 and 10 with same or

40.14 Set a post 3 ft. long 3 ins. diam 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. and N. of post $5\frac{1}{2}$ ft. dist. and raised

T. 20 N. R. 14 E.

Chairs

a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around post.

80.25 The Cor. to Sec. 3, 4, 9 and 10
 Land pretty rolling
 Soil 3rd. rate
Excellent grazing

North on a true line
 bet. Sec. 3 and 4.

(a. $13^{\circ} 30' E.$)

4000 Dug and very gradually
 Deposited marked stone
 12 ins. in the ground
 for "4 Sec. Cor. deep pits."
 $8 \times 8 \times 12$ ins. N. and
 S. of stone $5\frac{1}{2}$ ft.
 dist. and raised a
 mound of earth $1\frac{1}{2}$
 ft. high $3\frac{1}{2}$ ft. base
 over it. In st. pit.

T. 20 N. R. 14 E.

Chains

drove a stake 2 ft.
long 2 ins. dia. 12 ins.
in the ground marked
"4 S. on N. face

78.45

Entered 5th Standard
Parallel N. 20.00 Chains
N. of the Standard
Sec. Cor. to Secs. 33
and 34 which was
recently established by me.
At point of intersection
Set a sandstone
16 x 12 x 7 ins. 11 ins. in
the ground for Chain
Cor. to Secs. 3 and 4
marked C. C. with 3
notches on E. and N. sides.
dug pits 18 x 18 x 12 ins.
S. E. and N. of stone
5 1/2 ft. dia. and raised

T. 20 N. R. 14 E.

Chavis

a mound of earth 2 ft.
high 4 1/2 ft. base
along side
Dand gently rolling
Soil 3rd. rate
Excellent grazing

I carefully examined the
adjustments of my Solar
Compass to-day particu-
larly the latitude and
reversing apparatus
and found them correct.
John M. Lee's Corp was near
Oct. 3rd. 1882

T. 20 N. R. 14 E.

Chains

From the cor. to Secs.
4, 5, 32 and 33 on the
S. boundary of the
Tp. which was recently
established by me from
North bet. Secs. 32 and 33
Va. 130° 30' E.

Descend gradually

4 0.00

Set a post 3 ft. long 3 ins. diam 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. and W. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.

8 0.00

Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
28, 29, 32 and 33 marked T. 20 N. S. 28 on
N. E. R. 14 E. S. 33 on S. E, S, 32 on
S, W, and S, 29 on N, W, face, with 1 notch
on S, and 4 notch on E. edges, dug
pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.
and raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft.
base. around post.

C. 20 cr. R. 14 E.

Chairs

Land gently rolling
Soil mostly and sandy with rate
grading moderate

East on a random line
bet. Sec. 28 and 33

Va. 13° 48' E

Ascending over rolling land
Set temporary "4 Sec. 28 & 33
Intersect - Sec. 28 and 33

4000
79.60

line 13 links cr. of the
line to Sec. 27, 28, 33 and 34
Thence I run Cr. 89° 54' N.
on a true line bet. Sec.
28 and 33 with - same va.

37.80

Set a post 3 ft. long 3 ins. diam 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. and N. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around
post.

J. 20 cr. R. 14 E.

Chairs

79.60 The Cor. to Secs. 28, 29, 32 and 33
 Land pretty rolling
 Soil sandy. Prod. rate
grazing poor

North pt. Sec. 28 and 29
 Va. 13048'E.

a gradual descent.

40.00 Deposited marked stone
 12 ins. in the ground
 for 44 Sec. Cor. dug
 pit 18x18x12 ins. in and
 S. of stone 5/2 ft. dist,
 and raised a mound
 of earth - 1 1/2 ft. high
 3 1/2 ft. base over it.
 In S. pt. drove a
 stake 2 ft. long into
 eq. 12 ins. in the ground
 marked 44 S. of the face.

S. 20 et. R. 14 E.

Chairs

8000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 20, 21, 28 and 29 marked T. 20 N. S. 21 on N. E. R. 14 E. S. 28 on S. E, S, 29 on S, W, and S, 20 on N, W, faces, with 2 notch ~~is~~ on S, and 4 notch ~~is~~ on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft, high. 4 1/2 ft. base. around post.

Quality rolling land
Soil 3rd. rate
Good grazing considerable
page blank

East on a random line
bet. Secs. 21 and 28
Va. 13° 48' E.

Over almost level land

4000

Set temporary 1/4 Sec. Cor.

7978

Subtract - N. and S.
line 30 links S.

J. 21 of R. 14 E.

Chairs

of the Cor. to Sec.
21, 22, 27 and 28 Thence
I run S. 89° 47' N. on
a true line bet Secs.
21 and 28 with same

39.89

Set a post 3 ft. long 3 ins. diam 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. and N. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.

79.75

The Cor. to Secs. 20, 21, 28 and 29
Land very gently rolling
Soil gravelly, sandy. 3 rd. water
Good grazing

North bet. Secs. 20 and 21
Va. 13048'E.

Acres gradually
I would gradually

20.00

T. 20 N. R. 14 E.

Chassis

4000

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for 1/4 Sec, Cor, marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins. N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft, high. 3 1/2 ft. base. around post.

8000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 16. 17. 20. 21 marked T. 20 N. S. 16 on N. E. R. 14 E. S. 21 on S. E, S, 20 on S, W, and S, 17 on N, W, faces with 3 notch 10 on S, and 4 notch 10 on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft, high. 4 1/2 ft. base. around post.

Land gently rolling
Soil sandy 3rd. rate
Considerable pasture
Grazing not very good
East on a road on
line bet. Sec. 16 and 21

J. 20 Ch. R. 14 E.

Chains

Na. $13^{\circ}30' C.$

4000
80.12
Over almost level land
Set trip on any 114 Sec. Cor.

Intersect- N. and S line
14 links. S. of 1st Cor.
to Sec. 15, 16, 21 and 22
Thence I run S. $89^{\circ}54' N.$
on a true line bet. Secs.
16 and 21 with same va.

4006

Set a sand stone, $14 \times 10 \times 4$ ins., 9 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on N.
face, dug pits $18 \times 18 \times 12$ ins. E. and N.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. alongside.

80.12

The Cor. to Sec. 16, 17, 20, and 21
Land getting rolling
Set 2nd. note
U. considerable seg. to work

S. 20 St. R. 14 E.

Chassis

North St. Sec. 16 and 17
Va. 18° 30' E.

Over gradual descent

40.00

Set a post 3 ft. long 3 ins. diam 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. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around post.

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, S. 9, 16 and 17 marked T. 20 St. S. 9 on N. E. R. 14 E. S. 16 on S. E, S, 17 on S, W, and S, 8 on N, W, face, with notch 10 on S, and 4 notch 10 on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft. base. around post.

I'm now rolling
Soil 3rd. rate

Good grazing.

Considerable oak timber

S. 20 N. R. 14 E.

Chains

East on a random line bet.

Secs. 9 and 16

Pa. $130^{\circ}31'E$.

Bound very gradually

Set temporary $1/4$ Sec. Cor.

40.00

80.28

Intersect - St. and E. line
15 - miles; St. of the Cor.
to Secs. 9, 10, 15 and 16

Thence I run St. $89^{\circ}54'N$.
on a true line bet. Secs.
9 and 16 with same Pa.

40.14

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

80.28

The Cor. to Secs. 8, 9, 16 and 17
Surface pretty rolling
Soil 2nd. water
good grass some vegetation

576

T. 20 N. R. 14 E.

Chains

North pt. Sec. 8 and 9
Ta. 130°30'E

40.00

Over almost level land
Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $\frac{1}{2}$ Sec, Cor,
marked $\frac{1}{2}$ S. on N. face, dug pits 18 x 18 x 12
ins. N. and S. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.

80.00

Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
4, 5, 8 and 9 marked T. 20 N. S. 4 on
N. E. R. 14 E. S. 9 on S. E., S. 5 on
S, W, and S, 5 on N, W, face with 5 notch
10 on S, and 4 notch 10 on E. edges, dug
pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.
and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft.
base. around post.

Land nearly level
Soil about 3rd. rate
Excellent grazing

S. 20 Cr. R. 14 E.

Chairs

Cast on a random line
bet. Sec. 4 and 9
Va. $130^{\circ}30'E.$

4000
7998
Regrad gradually
Set temporary "4 Sec. line"

Subtract cr. and S. line
31 links N. of the
line to Sec. 3, 4, 9 and 10
Thence I ran N. $89^{\circ}47'W.$
on a true line bet. Sec.
4 and 9 with same va.

8999
Set a post 3 ft. long 3 ins. diam 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. and W. of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.

7998
The Cor. to Sec. 4, 5, 9 and 9
Surface gently rolling
Set 3^d. rate
good grading

S. 20 A. R. 14 E

Chains

North on a true line
bet. Sec. 4 and 5
Ta. 13° 30' E.

Over nearly level land

4000

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/2 Sec, Cor,
marked 1/4 S. on N. face, dug pits 18 x 18 x 12
ins. N. and S. of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft, high. 3 1/2 ft. base. around
post.

7000

2818

Begin to ascend
Intersect. 5th Standard
Parallel North 19.400 Cho.
East. of the Standard 1/4 Sec
Cor. on S. B. Sec. 32
which was recently
established by me at
point. For intersection
Set a post 4 ft.
long 4 ins. diam. with
marked stone 12 ins

S. 20 N. R. 14 E.

Chassis

in the ground for
 to being Nor. to S. W.
 4 and 5 marked
 to S. S. 20 N. R. 14 E. on S.
 S. 4 on E. and S. 5 on N.
 with 4 notches on E. and
 and 2 notches on N. of one.
 dug pit 18 x 18 x 12 ins.
 S. E. and N. of pit 5 1/2
 ft. dia. and raised
 a mound of earth
 2 ft. high 4 1/2 ft. base
 alongside

Surface level

Soil 2nd. to 3rd. rate
 good grass, and consid-
erable sagebrush

John Mahon Comptroller
 Oct. 4th 1892

T. 20 N. R. 14 E.

Chavis

From the Cor. to Sec.
 31 and 32 on the
 South boundary of the
 township which was
 recently established by me
 from
 North bet. Sec. 31 and 32
 Va. 130°30'E

Descending over rolling land

40.00

Set a sandstone 20x20
 x 4 ins. 15 ins. in the
 ground for "4" Sec. Cor.
 marked "4" on N. face
 and raised a mound
 of stone along side.
 Pit: impracticable

80.00

Set a sandstone 20x20x4
 ins. 15 ins. in the
 ground for Cor. to Sec.
 29. 30. 31 and 32

S. 20 St. R. 14 E.

Chassis

marked with 1 notch
 on S. and 5 notches on
 E. edges. Sand raised
 a mound of stone
 alongside. P. 1/2 impracticable
 Sand rolling
 Soil 3rd. rate
Good grass

East on a road on line
 bet. Sec. 29 and 32
 Va. 13030'E.

70.8
 40.00
 79.76

D. sound gradually
 Wash Co. St. 50 N.
 Dit temporary "4 Sec. 29.
 Intermittent - St. and S.
 line 18 links S. of
 the l. r. to Sec. 28, 29
 32 and 33 Thence I run
 S. 89° 52' W. on a true

T. 20 N. R. 14 E.
 Chanis

line bet. Secs. 29 and 32
 with same va.

39.88 Set a 80' dist. on 48x48
 x 4 ins. 36 ins. in the
 ground for "4 Sec. 20.
 marked ^{14.00 N. 30.00 E.} and raised a
 mound of stone alongside
 Pk. imperceptible

79.76 The C. m. to Secs.
 29, 30, 31 and 32
 Land rolling
 Soil 4th rate
 Good grass, few rocks.

Met on a road on line
 bet. Secs. 30 and 31
 Var. 3' 30" E.

A gradual ascent
 Set temporary "4 Sec. 20.
 Centre of draw li. N.E.

40.00

42.51

S. 20 or R. 14 E.

Chains

- 78.30 and record
I introduced N. B. of S.
8 links S. of the Cor.
to Sec. 25, 30, 31 and
36 which was recently
established by me
Thence I ran
S. 89° 57' E. on a true
line bet. Secs 30
and 31 with same va.
- 78.30 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/4 Sec, Cor,
marked 1/4 S. on N. face, dug pits 18 x 18 x 12
ins. E. and W. of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft, high. 3 1/2 ft. base. around
post.
- 78.30 The Cor. to Sec. 29, 30, 31 & 32
Land pretty rolling
Station of A. P. R. R. on S. 1/4
1/4 Sec. of Sec. 31
Soil sandy & the rate
grazing poor some sagebrush

T. 20 N. R. 14 E.

Chairs

North St. Sec. 29 and 30
Va. 13'30"E.

Ground gradually
Enter draw. Co. W.

2000

4000

Set a round stone, 20 x 15 x 4 ins., 10 ins.
in the ground for $\frac{1}{4}$ S. marked $\frac{1}{4}$ on W
face, dug pits 18 x 18 x 12 ins. E. and W.
of stone 5 1/2 ft. dist. and raised a mound of earth
1 1/2 ft. high. 3 1/2 ft. base. alongside.

8000

Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins. in the ground for Cor. to Secs.
19, 20, 29, 30 marked T. 20 N. S. 20 on
N. E. R. 14 E. S. 29 on S. E, S, 30 on
S, W, and S, 19 on N, W, faces with 2 notch
10 on S, and 1 notch 10 on E. edges
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.
and raised a mound of earth 2 ft. high. 4 1/2 ft.
base. around post.

Land rolling
Soil 3rd rate
Good grass

J. 20 et. R. 14 E.

Chairs

East on a random line bet.

Secs. 20 and 29

Va. $10^{\circ}30'E.$

A gradual ascent

4000 Set temp on a 14 Sec. Cor.

80.08 Intersect of N. and S. line

12 links S. of the Cor. to Secs

20, 21, 28 and 29 Thence

I run S. $89^{\circ}55'W.$

on a true line bet.

Secs. 20 and 29 with

same va.

4004 Set a post 3 ft. long 3 ins. diam 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. and W. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around post.

80.08 The Cor. to Secs. 19, 20, 29 & 30

Land pretty rolling

Soil sandy and Fert. rate

Good grazing corn sage brush

S. 20 Ct. R. 14 E.

Chains

West on a random
line bet. Secs. 19 and 30
Ta. 13° 30' E.

Over level land

19.14

Draw 28 links wide Co.
N.E. and record

40.00

Set temporary 1/4 Sec. Cor.

78.06

Entrance N. W. of the
S. 53 links S. of the
Cor to Sec. 19, 24,

25 and 30 which was
recently established by me
thence down S. 89° 37' E.
on a true line bet.

Secs. 19 and 30 with
same va.

98.06

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins. in the ground for 1/4 Sec. Cor,
marked 1/4 S. on N. face, dug pits 18 x 18 x 12
ins. E. and W. of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around
post.

T. 20 N. R. 14 E.

Chains

28.00 The Cor. to Sec. 19, 20.

29 and 30

Liquid rolling

Soil 2nd. rock

Some timber along draws
water in tanks in draws.

Good grass

North pt. Sec. 19 and 20

Va. 13° 30' E.

D mound along side of draw

40.00 Set a sand stone, 20 x 20 x 3 ins., 10 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on N.
face, dug pits 18 x 18 x 12 ins. N. and S.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. alongside.

In draw Sec. N. 11° E. continue to mound

50.00 Set a sand stone 20 x 20 x 5 ins., 10 ins. in
the ground for Cor, to Secs, 17, 18, 19, 20 marked
with 3 notch on E. and 5 notch on W. edges,
dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft.
dist. and raised a mound of earth 2 ft. high.
4 $\frac{1}{2}$ ft. base. alongside.

S. 20 N. R. 14 E.

Chains

Sand gritty rolling
Soil red. soil
Good grazing

East on a random line pt.
Dec. 17 and 20

Va. $133^{\circ}0'E.$

Over level surface

7.07

Draw 1.00 Chain Wide Co.

Dr. $37^{\circ}0'E.$ and around

40.00

Set temporary $1/4$ Sec. Cor.

40.25

Begin to ascend gradually

70.00

Descend gradually

79.96

Introduced ^{to the line} $1/4$ Sec. S. of
the Cor. to Dec. 16, 17,

20 and 21. Thence I run

S. $89^{\circ}58'$ N. on a true
line pt. Dec. 17 and 20

with same va.

39.98

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $1/4$ Sec, Cor,
marked $1/4$ S. on N. face, dug pits $18 \times 18 \times 12$

J. 20 of R. 14 E.

Chassis

ins E and N. of post 5 $\frac{1}{2}$ 76. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft, high, 3 $\frac{1}{2}$ ft. base. around
post.

79.94 The Cor. to Secs. 17, 18, 19 and 20
Surface rolling
Set 2nd. rate
Good grade.

Went on a random line
bet. Secs. 18 and 19
Va. 13° 30' E.

Over nearly level land

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

78.20 Intersect N. E. S. 15' line

of the Cor. to Secs.
13, 18, 19 and 24 which
was recently established by me

Thence I run Cr. 89° 54' E.

on a true line bet. Secs.

18 and 19 with curve va.

38.20 Set a sand stone, 20 x 10 x 4 ins., 15 ins.

in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on Cr.

face, dug pits 18 x 18 x 12 ins. E. and N.

70
 S. 20 N. R. 14 E.

Chains

of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

Quality rolling land
 Soil 2nd. rate
Good grazing

Stake bet. Secs. 17 and 18
 Va. 18°30' E.

4000

Set a sand stone, $20 \times 20 \times 5$ ins., 15 ins.
 in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$ on N.
 face, dug pits $18 \times 18 \times 12$ ins. N and S.

of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

8000

Set a sand stone, $20 \times 20 \times 5$ ins., 15 ins. in
 the ground for Cor, to Secs, 7, 8, 17, 18 marked
 with 4 notch on S. and 5 notch on E. edges,
 dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft.
 dist. and raised a mound of earth 2 ft. high.
 $4\frac{1}{2}$ ft. base. alongside.

Quality rolling land
 Soil 2nd. rate
Good grazing

J, 20 cr. R 14 E.

Chairs

East on a random line
 Mt. Sec. 8 and 17
 T₁ 13° 30' E.

Over almost level land

7.77 flat draw 1.00 Ch. wide Cor. N.

4000 Set temporary 1/4 Sec. Cor.

79.72 Intersection N. and S. line

11 miles N. of the

Cor. to Sec. 7, 8, 16 and

17. True S run N.

89° 55' N on a true

line Mt. Sec. 8 and 17

with same va.

3986 Set a sand stone, 12 x 10 x 8 ins. 5 ins.

in the ground for 1/4 Sec, Cor, marked 1/4 on N.

line, dug pits 18 x 18 x 12 ins. O and N.

of stone 5 1/2 ft. dist. and raised a mound of earth

1 1/2 ft. high. 3 1/2 ft. base. alongside.

79.72 The Cor. to Sec. 7, 8,

17 and 18

Land on N. half level

S. 20. N. R. 14 E.

Chain

W. half gently rolling
 Excellent grazing
 Considerable sage brush
 No water No timber
 Soil on N. half hard adobe
 E. half 3rd. rate

Met on a random line bet.
 Sec. 7 and 18

Va. $13^{\circ} 30' E$.

Descend gradually

11.12 Wash 50 links wide Co. N.
 and ascend

32.15 Top of spur bet. N. N. and S. E.
 and descend

4000 Set temporary by Sec. terr.

7800 Intersect N. C. of S.
 24 links N. of the
 Cor. to Sec. 7, 12, 18 and
 18 which was recently
 established by me

S. 20 N. R. 14 E.

Chassis

Then I run at. $89^{\circ}30'E$.
on a true line bet. Sec.

7 and 18 with same va.

38.00 Set a sand stone, $20 \times 18 \times 7$ ins., 5 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on N.
face, dug pits $18 \times 18 \times 12$ ins. E. and N.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. alongside.

78.00 the Cor. to Sec, $7.8.17 \times 18$
Land rolling
Soil 3rd. rate
Good grass

North bet. Sec. 7 and 8
In $130^{\circ}30'E$.

Over level land

40.00 Set a sand stone, $20 \times 5 \times 4$ ins., 5 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on N.
face, dug pits $18 \times 18 \times 12$ ins. N. and S.
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. alongside.

79.00 Mark 18 links wide Co. at. 40° N.

P. 20 N. R. 14 E.

Chains

88.00

Set a sand stone $14 \times 16 \times 4$ ins, 9 ins. in the ground for Cor, to Secs, 5, 6, 7 and 8 marked with notch on S. and notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft. base. alongside.

Land nearly level

Soil 2nd. rate

Good grazing

East on a random line bet. Secs. 5 and 8

va. $130^{\circ}30'E.$

Start in level land

40.00

Set temporary "4" Sec. Cor.

80.10

Intersect. E. and S. line 20 links S. of the Cor. to Secs. 4, 5, 8 and 9

Thence I run S. $89^{\circ}51'N.$ on a true line bet.

Secs. 5 and 8 with same va.

T. 20 N. R. 14 E.

Chasies

4008 Deposited marked
stone 12 ins. in the
ground for "4 Sec. Cor.
dug pits 18x18x12 ins.
E. and W. of stone 5 $\frac{1}{2}$
ft. dist. and raised
a mound of earth
1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft.
wide over it. On
E. pit drove a stake
2 ft. long ins. sq. 12
ins. in the ground
marked "4 Sec. Cor.

8016 The line to Secs. 5, 6, 7 and 8
Nearly level land
Soil 2d. rate

Good grazing some sagebrush

Went on a sand one line
bet. Secs. 6 and 7

Va. 13°30'E.

J. 20 Cr. R. 14 E.

Chains

35.6
33.60
40.00
43.30
78.24

Over nearly level land
Drew 22 links Co. St. 110 N.
Road hrs. N.E. and S.W.
Set temporary "4 Sec. Cor.
Drew 20 links with Co. N.E.
Intersect St. R. of Sp.
30 links 30 links S. of
the Cor. to Sec. 1, 6, 7 and 12
which was recently established
by me. Thence I run
S. 89° 47' E. on a true line
bet. Sec. 6 and 7 with same or.

38.24

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/4 Sec, Cor,
marked 1/4 S. on N. face, dug pits 18 x 18 x 12
ins. E. and W. of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around
post.

78.24

The Cor to Sec 5, 6, 7 and 8
Land almost level
Soil 3rd. rate
Good grazing some sage brush
Some water in draw.

T. 20 N. R. 14 E.

Claims

North on a true line
bet. Sec. 5 and 6

Pa. 18°30' E.

Over level land

2920
4000

Road to N. E. and S. W.

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/4 Sec. Cor,
marked 1/4 S. on N. face, dug pits 18 x 18 x 12
ins. N. and S. of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft, high. 3 1/2 ft. base. around
post.

77.90

Intersect 5th standard
parallel N. 19.30 Ch
E. of ^{Shelby} Sec. Cor. in S. 1/4
Q. of Sec. 31 ^{recently established by me} at point
of intersection Set a
sand stone 17 x 8 x 5 ins. 12
ins in the ground for
closing Cor. to Secs.
5 and 6 marked C. C.
with 1 notch on N.
and 5 notches on E. edges;

78.

BOOK 354

S. 20 Cr. R. 14 E.

Chairs

dug pits 15 x 18 x 2 ins
 S. E. and N. of stone 5 1/2
 ft. dist. and raised a
 mound of earth 2 ft. high
 4 1/2 ft. base along side
 sand about level

Soil 3rd. rate
 Excellent grass

Some water some vegetation

No timber

I carefully examined the
 adjustments of my Solar
 Compass to-day
 particularly the latitude
 and reversing apparatus
 and found them correct.
 John Mahon Compassman
 Oct. 4th 1882

T. 20. N. R. 14 E.

Chasico General Description.

This township is gently rolling prairie land and furnishes good grazing in most parts. The soil that part has a great deal of rock; it is also very rough in South east parts.

Considerable water in several places

Considerable water in drain in Sec. 31 and 12 Stations on Atlantic and Pacific R.R. in Sec. 31 Portion of dry lake in N.E. part.

Soil about 3rd. rate

For final notes see book No. 20

BOOK 354

U. S. Surveyor General's Office,
Tucson, Arizona. July 21, 1882

The foregoing Field Notes of the survey of the
Subdivision Lines of Townships
20, North, Range 14 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by O. W. Wheeler,
D. S., under his contract of the 5th day of
August, 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. Robbins
Surveyor General.