

-1-

T. 21 N. R. 17 E. G. & S. R. M

BOOK 396
BOOK 396

Indexed

No 396
Field Notes

396

OF THE SURVEY OF THE

Subdivision

line BOOK 396

OF BOOK 396

Township *21 N.* Range *17 E.*

Gila and Salt River Base and Meridian

ARIZONA.

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

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

Survey commenced *Nov. 18* 18*82*

Survey completed *Nov. 21* 18*82*

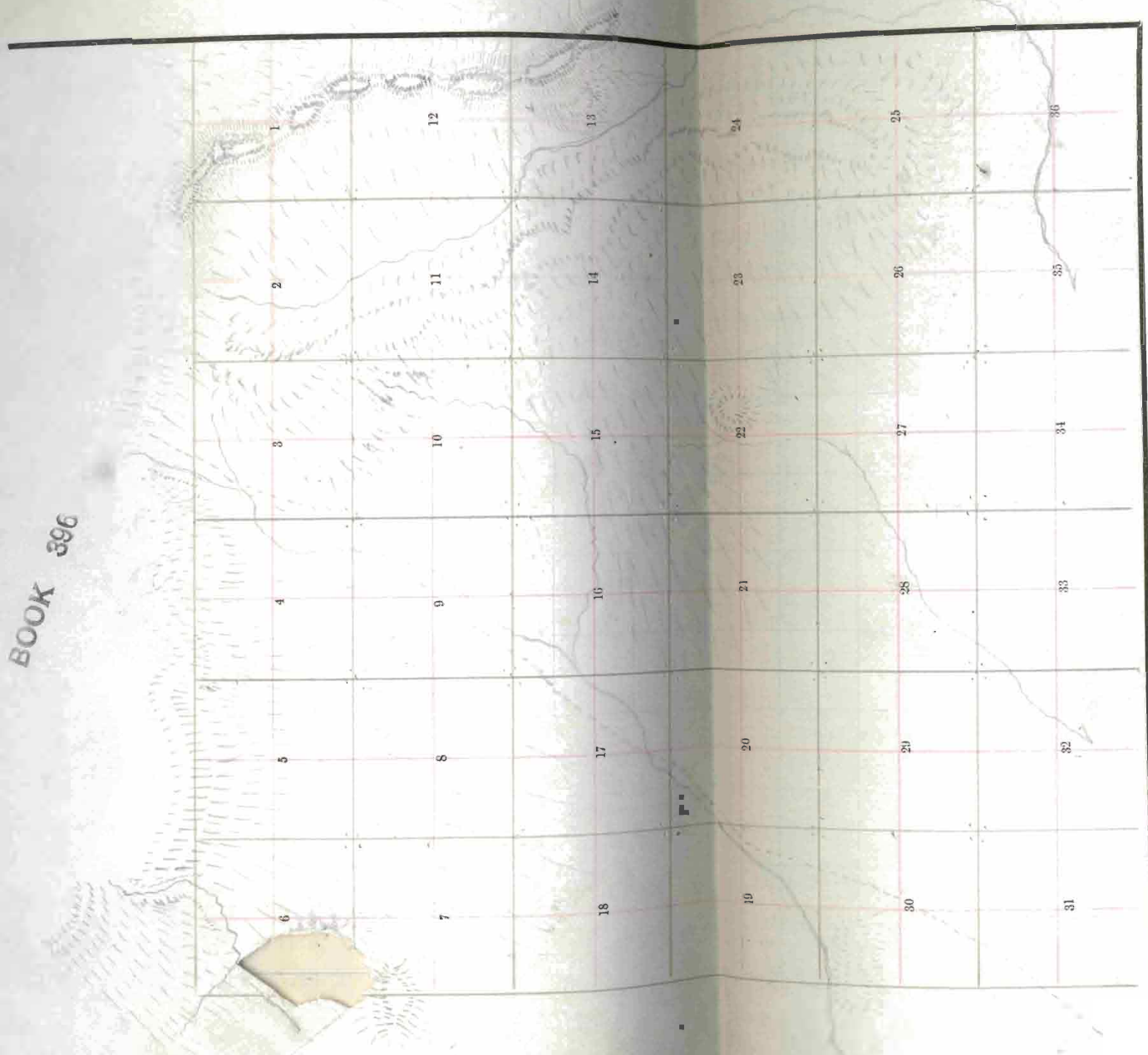
No - 396

T. 21 N. R. 17 E. G. & S. R. M

Edward Denny & Co., Stationers and Printers, Drawing Material, No. 113 Supt. St., N. Y.

Township No. 21 N. Range No. 10 E. Meridian.

BOOK 396



BOOK 396

BOOK 396

- TOWNSHIP PLOT
- Meridian Line,
- Base Line,
- Standard Line,
- Township Lines,
- Section Lines,
- Meander Lines,
- Office Work.

21992
1996

3

21 N. R. 10 E. S. 20 S. E. S.

T. 21 N. R. 17 E. G. & S. R. M

Chs.

From the ^{Standard} Cor. to Sec.
T. 21 N. R. 17 E. G. & S. R. M
S. found any of the
township recently
established by me. I run
North bet Secs. 35 and 36
Va. 120 20' E.

Descend

40.00

Set a sandstone 16x9x4 ins,
11 ins. in the ground
for 44 Sec. Cor. marked
44 on N. face, and
raised a mound of stones
along side. Pits impracticable

42.50

Mark 200 Ch. wide Cor. S. N. mound

80.00

Deposited a marked stone 12 ins. in the
ground for Cor. to Secs. 25, 26, 35, 36, 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
over it. In S. E. pit drove a stake 2 ins. sq. 2
ft. long 12 ins. in the ground marked T. 21
S. 25 on N. E. R. 17 E. S. 30 on S. E. S. 35

T. 21. N. R. 17 E. G. & S. R. M

on S. W. and S. ²⁶ on N. W. faces, with
 / notch on S. and / notch
 on E edges.

Surface quietly rolling
 Soil sandy lsh. sub-
 Good grass
 Some sage brush

East on a random line
 bet. Sec. 25 and 26
 Var. 100 80' E.

Bound gradually

0.00 Set temporary 1/4 Sec. Cor.
 9.75 Intersect E. Bound. of
 the township 1/4 miles S.
 of the Cor. to Sec.
 25. 28. 31 and 36 which
 was recently established by me.
 Thence I run S. 89° 52' W.
 on a true line bet. Sec.

T. 21 N. R. 17 E. G. & S. R. M

Ch.

25 and 26 with - same as.

39.87

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. E. and N. of stone $\frac{1}{4}$ ft. dist and raised a mound of earth 1 $\frac{1}{2}$ ft. high 3 ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

79.75

The Cor. to Sec. 25 & 26. 25 & 26
 Surface gently rolling
 Soil 2nd. with sandy
 Good grass
 Some sage brush

North Mt. Sec. 25 and 26
 Va. 101 80' E.

20,000

Ascend gradually
 Leave valley for E. and N.
 and ascend abruptly

4,000

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone $\frac{1}{4}$ ft. dist and raised

T. 21 N. R. 17 E. G. & S. R. M

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

Set a small stone $1\frac{1}{2} \times 8 \times 4$ ins, 9 ins. in the ground for Cor. to Secs, 23, 24, 25, 26 marked with 2 notches 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.

Surface rolling and rough
Soil 2nd to 4th rate
Very little grass

East on a random line bet.
Secs 24 and 25 — N
Var. 10° 20' E.

Ascend

Top of ridge bet. N. and S. 1200 ft high

T. 21 N. R. 17 E. G. & S. R. M

Ch

- and descend
- 4000
79.29 Set temporary 1/4 Sec. Cor.
Mark 1.00 ch. wide Co. S. E.
and ascend.
- 79.68 Intersection E. Boundary
of the township 28
Plunge S. of the Cor.
to Sec. 19. 24, 25 + 26
which was recently established
by sub. thence I ran
S. 89° 45' W. on a true
line bet. Sec. 24 and 25
with same run.
- 79.84 Set a sand stone, 5 x 9 x 7 ins. 10 ins.
in the ground for 1/4 Sec. Cor, marked 1/4. on N.
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.
- 79.65 The Cor. to Sec. 20. 24. 25 + 26
Surface rough and rocky

T21 N. R 17 E G. & S R M

Chs.

Soil 4th rate
 Very little grass

North wt. Sec. 28 and 24
 Val. 13' 00" E.

Record

Set a basalt stone 16 x 9 x 4
 ins. 11 ins. in the ground
 for 1/4 Sec. Cor. marked
 1/4 on N. face and raised
 a mound of stone along side.

Pit impracticable

Set a basalt stone 15 x 8 x 5 ins, 10 ins. in
 the ground for Cor, to Secs, 28 & 24 marked
 with 8 notch on S. and / 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. alongside.

Soil a rough
 Soil 4th rate

T21. N. R 17 E G. & S R M

Ch.

East on a road on line
bet. Sect 13 and 24

Var. $100^{\circ} 51' E.$

Ascend

30.00

Top of ridge to N. W. and S.
200 ft. high and descend

40.00

Set temporary 1/4 Sec. cor.

75.10

Walk 40 links with cor.

S. E. and ascend

79.92

Entered E. Boundary of
two townships 12 links.

N. of the Cor. to
Sect 13, 18, 19 and 24

which was recently established
by me. thence S. on
N. $89^{\circ} 55' N.$ on a town
line bet. Secs. 13 and 24
with same var.

T. 21 N. R. 17 E. G. & S. R. M

hs.

9.96 Set a *small* stone, $15 \times 8 \times 5$ ins., 11 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on *W.*
face, dug pits $18 \times 18 \times 12$ ins. *O.* 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.

9.92 The Cor. to Secs. 13, 14, 20 & 24
Surface rough and rocky
Soil 4th rate
Very little vegetation

North ht. Secs. 13 and 14
Var. $150^{\circ} 50' E.$

ascend

05.00 Top of ridge bet. *S. W.*
and *S. E.* 200 ft. high
and descend

0.10 Set a *small* stone, $15 \times 11 \times 8$ ins., 10 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on *W.*
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.

T. 21. N. R. 17 E. G. & S. R. M

Vhs.

79.90 Walk 35 links with G. & S. E.
and record

8000

Set a Paralt stone 15x9x6 ins
12 ins. in the ground for
Cor. to Sec. 12, 13 & 14
marked with 4 notches
on S. and 1 notch
on E. edge. and raised
a mound of stone along side;
Peb. Umbraetochla
Surface rough
Soil 2d. rate
Very little grass

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

Va. 10° 35' E.

Record

40.00

Set temporary 14 Sec. Cor.

45.00

Top of ridge bet. S. and E.

T. 21 N. R. 17 E. G. & S. R. M

10.

10.22

100 ft. high and down
 Northwest E. corner of
 the township 25 miles East
 of the Cor. to Sec. 7, 12,
 13 and 18 which was
 recently established by run.
 thence I run S. 89° 49' N.
 on a true line bet. Sec.
 12 and 18 with same as.

10.16

Set a locust stone 16 x 12 x 7 ins., 11 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. 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.

10.32

The Cor. to Sec. 14, 12, 13 & 14
 Surface rough
 Soil 4th rate
 Very little grass

T. 21 N. R. 17 E. G. & S. R. M

Chs.
 North lot Sec. 11 and 12

Var. $18^{\circ} 28' U$

Obcord

4000

Set a basalt stone $16 \times 10 \times 6$ ins.
 114 ins. in the ground for
 114 Sec. Cor. marked 114
 on N. face; and raised a
 mound of stone along side,
 Pib. impracticable

8100

Deposited a marked stone 12 ins. in the
 ground for Cor. to Secs. 12, 11 & 12, 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
 over it. In S-E pit drove a stake 2 ins. sq. 2
 ft. long 12 ins. in the ground marked T. 21 N.
 S. 1 on N.E, S. 12 on S.E. S. 11
 on S.W. and S. 2 on N.W. faces, with
 5 notch on S. and 1 notch
 on E edges.

Surface rough and rocky
 Soil 4th set

T. 21. N. R. 17 E. G. & S. R. M

Chs.

East on a random line
bet. Secs. 1 and 12
Var. $18^{\circ} 00' E.$

Ascend gradually

40.00

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

42.00

Top of ridge to N. and S.
200 ft high and descend

80.10

Intersect E. boundary of the
township 1/4 line of S. of
the Cor. to Secs. 1, 6, 7 & 12
which was recently established
by me. thence I ran
S. $89^{\circ} 54'$ N. on a true line
bet. Secs. 1 and 12 with
same var.

40.06

Set a corner 14x8x6
ins. pins in the ground
for $\frac{1}{4}$ Sec. Cor. marked
1/4 m N. face; and
raised a mound of

T. 21 N. R. 17 E. G. & S. R. M

Ch.

straw along side,

Pits unproductive

50.13 In Cr. to Sec. 12, 11 and 12

Surface rough and rocky
Soil 4th rate

Very little grass

on a sandy line
North pt. Sec. 1 and 2
Va. 130 80° E.

Accord

4000

Set temporary 1/4 Sec. Cr.

51.42

Entered N. boundary of
the township 34 miles E.
of the Cr. to Sec. 1, 2, 25
and 26 which was recut
by established by me.Thence I ran S. 0° 15' E.
on a true line bet.
Sec. 1 and 2
with same va.

T. 21. N. R. 17 E. G. & S. R. M

Chains

40.42

Set a sand stone, 16 x 9 x 7 ins., 11 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. $\frac{1}{2}$ and $\frac{1}{2}$ 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.

10.42

The Cor. to Secs. 12, 11 and 19

Surveys rough
Soil about 4th rate
Very little grass

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

J. D. Walsh Nov 18th 1872

T. 21. N. R. 17 E G. & S R. M

Chains

Chains From the ^{Standard} ~~to~~ ~~Sec.~~ 34 and 35 on the
S. Bound. of the township
recently established by me.
@ Cross North ~~to~~
Sec. 34 and 35

W. 180 30' E.

Record gradually

4000

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{2}$ Sec. Cor. 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 over
it. In N. pit drove a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked $\frac{1}{2}$ S. on N.
face.

8000

Deposited a marked stone 12 ins. in the
ground for Cor. to Secs. 26, 27, 24 & 35, 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
over it. In S E pit drove a stake 2 ins. sq. 2
ft. long 12 ins. in the ground marked T. 21 N.
S. 26 on N.E., R. 17 E. S. 35 on S.E. S. 34
on S.W. and S. 27 on N.W. faces, with

T. 21 N. R. 17 E. G. & S. R. M

Choc

1 notch on S, and 2 notch on E edges.

Surface gently rolling
Soil 3rd. rate
Fair grass

Cast on a random line
bet. Sec. 26 and 35
Va. 130 85' W.

40.00
79.61

Set temporary 1/4 Sec. Cor.
between N. and S. line
26 links N. of the Cor.
to Sec. 25, 26, 35 & 36
thence I ran N. 89° 49' W.
on a true line bet.

39.80

Sec. 26 and 35 with same va.
Deposited a marked stone 12 ins. in the
ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins.
E. and W. of stone 3 1/2 ft. dist and raised
a mound of earth 1 1/2 ft. high 3 1/2 ft. base over
it. In E. pit drove a stake 2 ft. long 2 ins.
in the ground marked 1/4 Sec.

T. 21. N. R. 17 E. G. & S. R. M

sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on *N.*
face.

79.61 The Cor. to Sec. 26, 27, 28 & 29
Surface rolling
Soil 2d. rate
Sow grass

North bet. Sec. 26 and 27
Val. 10000' E.

Ascend gradually

4000

Set a *small* stone, 20 x 14 x 4 ins. $\frac{1}{10}$ ins.
in the ground for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$ on *N.*
face. Dig 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 petrified piece of
wood 20 x 16 x 10 ins. $\frac{1}{10}$ ins.
in the ground for Cor.
to Sec. 22, 23, 26 & 27
marked with 2 notches

T. 21 N. R. 17 E. G. & S. R. M.

on S. and E. edge, and
 raised a mound of petrified
 wood alongside.

Rip imperceptible
 Land greatly rolling
 Sat 2d. note

Ford grass
Some sage brush

East on a random line
 bet. Sec 23 and 26

Var. 13° 00' E.

Ascend gradually
 Ascend abruptly

5.10
 40.00 Sat temporary 9 1/4 Sec. Cor.

9.70 Distinct N. and S.
 line 22 like S. of the
 Cor. to Sec. 23, 24, 25 & 26
 then I run S. 89° 51' W,
 on a true line bet.

T. & N. R. 17 E. G. & S. R. M.

39.88
 Sec. 23 and 26 with
 same var.

Deposited a marked stone 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
 E. and N. of stone 5 $\frac{1}{2}$ feet dist and raised
 a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base over
 it. In E. pit drove a stake 2 ft. long 2 ins.
 sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N.
 face.

79.76
 The Cor. to Sec. 22, 23, 26 & 27
 Surface rolling
 Soil 3rd. rate
 Light green

North to Sec. 22 and 23
 Var. 13° 30' E.

Ascend gradually

40.00
 Deposited a marked stone 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
 N. and S. of stone 5 $\frac{1}{2}$ feet 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. 12 ins. in the ground marked $\frac{1}{4}$ S. on

T. 21. N. R. 17 E. G. & S. R. M

sq. 12 ins. in the ground marked $\frac{1}{2}$ S. on face. *W.*

Ascend more abruptly

Set a ~~limestone~~ *stone* $8 \times 9 \times 9$ ins, 12 ins. in the ground for Cor. to Secs. $4, 15, 22, 23$ marked with $\text{\textcircled{S}}$ notch on S. and $\text{\textcircled{E}}$ 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.

*Some few rolling
Soil 2nd. rate
Light grass*

*East on a random line bet.
Secs. 14 and 20
Va. $13^{\circ} 30' E.$*

*Ascend gradually
Set temporary 14 Sec. Cor.
Entered N. and S. line
18 links S. of the Cor. to*

T. 21. N. R. 17 E. G. & S. R. M

Cha

Sect 13, 14, 23 and 24
 thence I run S. 89° 05' 21" W.
 on a true line to Sect
 14 and 23 with same var.

49.07

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.

80.14

The Co. to Sect 14, 15, 22 & 23
 Surface some what rough
 but set out
 Light grass

North to Sect 14 and 15
 Va. 120° 30' E.

Record

40.50

Set a Basalt stone, 18 x 10 x 6 ins., 12 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 $\frac{1}{2}$ ft. dist. and raised a mound of earth

T. 21 N. R. 17 E. G. & S. R. M

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

Set a small stone 9 x 4 ins, 11 ins. in the ground for Cor. to Secs, 10, 11, 14 & 15 marked with 4 notch on S. end 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. alongside.

Surface somewhat rough
 Soil red soil
 Light grass

East on a road on line
 bet. Sec. 11 and 14.
 Var. 120° 35' E.

Obend

27.30 Top of ridge bet. S. R. and
 S. E. of 200 ft. high and descend
 40.00 Set temporary 14 Sec. Cor.
 79.80 Mark 129 links wide
 on S. 39° E., Obend.

T21 N. R 17 E G. & S R M

Ch.

79.81 Intersect N. and S
line 38 links S. of the
Cor. to Secs. 11, 12, 13 and
14 thence S. over S.
89° 44' N. on a true line
bet. Secs. 11 and 14
with same or.

79.90 Set a line stone $10 \times 8 \times 10$ 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 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.

79.81 The Cor. to Secs. 10, 11, 14 and 15
Survey note
S. of 4th rate
No. grass
Some eye bush

North bet. Secs. 10 and 11
Va. 130 25' E.

Acacia

T. 21 N. R. 17 E. G. & S. R. M

Ch.

40.00 Set a bwall stone, 16 x 9 x 4 ins., 11 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.

60.00 Top of ridge to N.W. + S.E. and descend

80.00 Set a flint stone 15 x 8 x 4 ins. 10 ins. in the ground for Cor. to Sec. 2. S. 10 and 11 marked with 5 notches on S. and 3 notches on E. edges. and raised a mound of stone alongside. Pit imperceptible
 Surface rough
 Soil 4th rate
 No grass
 Some sage brush

T. 21. N. R. 17 E. G. & S. R. M

Chs

East on a random line bet.
Secs. 9 and 11

Var. $12^{\circ} 35' 18''$

Down

14.9 Made 140 links wide Co. S. 400 E.
Continue to descend

34.25 Baum 650 Chs. wide Co.
S. 200 W. and ascend

40.20 Set temporary 1/4 Sec. Cor.

80.27 Entered N. and S. line
32 links N. of the Cor.
to Secs. 1, 2, 11 and 12

then I ran N. $89^{\circ} 57' 00''$
on a true line bet. Secs.

9 and 11 with same var

40.14 Set a flint stone $18 \times 10 \times 6$
ins. 12 ins. in the ground
for 1/4 Sec. Cor. marked
114 on N. face, and
run a mound of

T. & N. R. 17 E. G. & S. R. M.

Ch.

stone along side,
 Pits unproductive

80.27 The Cor. to Sec. 2, 3, 10 and 11
 Surface rough and rocky
 Soil 4th water ✓
 Very little grass

North on a sand on line
 bet. Sec 2 and 3
 Var. $10^{\circ} 30' E$

bound

40.00 Set temporary 1/4 Sec. Cor.
 80.06 I entered ✓ I found a g
 of the town ship 15 ✓ miles
 W. of the Cor. to Secs.
 2, 3, 24 and 35 which was
 recently established by me,
 thence I run $S 0^{\circ} 6' W$.
 on a true line bet. Secs
 2 and 3 with same var.

T. 21. N. R. 17 E. G. & S. R. M.

Chs.

40,06

Set a *lime* stone, $15 \times 12 \times 7$ ins., 10 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. *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.

80,00

The Cor. to Sec. 2, 3, 10 and 11
Suffau rough and rocky
Soil 4th rate
Very little grass.
John Mahan Comptroller
November, 18th 1852,

From the ^{standard} Cor. to Sec. 27, 28
and 34 on the S. Boundary
of the township recently
established by me. To our
North Pt. Sec. 33 and 34
Var. $130^{\circ} 30' E$.
Droves & gradually

T. 21. N. R. 17 E. C. & S. R. M.

Chs.

40,00

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 $\frac{1}{2}$ feet 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. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

80,00

Set a flint stone 16 x 10 x 6 ins. 11 ins. in the ground for Cor. to Sec. 27. 28. 385 34 marked with 1 notch on S. and 3 notches on N. edges, and raised a mound of stone alongside.
 Pits impracticable.
 Surface pretty rolling
 Soil 2d. rate
 Fair grass

T&N. R 17 E C. & S R M

Ch.

East on a road on line
bet. Secs. 27 and 34
Var. $10^{\circ}30' E$.

Over nearly level land.

40.00

Set temporary 1/4 Sec. Cor.

80.36

Reconnect N. and S. line
18 mile N. of the Cor.
to Secs. 24, 27, 34 and 35
thence I run N. $89^{\circ}54' W$.
on a true line bet. Secs.
27 and 34 with same var.

40.18

Set a petrified ^{piece of wood} stone, $20 \times 12 \times 6$ ins., 5 ins.
in the ground for 1/4 Sec. Cor, marked 1/4 on N.

Set two pits $18 \times 18 \times 12$ ins. E. and W. of
petrified wood $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{4}$ ft. high, $3\frac{1}{4}$ ft. base. alongside.

80.36

The Cor. to Secs. 27, 28, 33 and 34
Surf. for gently rolling
Soil 2nd. rate
Fair grass

T. 21. N. R. 17 E. G. & S. R. M.

Cha

North pt. Sec. 27 and 28
Val. 13° 30' E.

Descend gradually

4900

Set a flint stone, 15 x 10 x 5 ins., 10 ins.
in the ground for $\frac{1}{2}$ Sec, Cor, marked $\frac{1}{2}$. on N.
face, 2 ng pits 18 x 18 x 12 ins. S. 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.

4310

Mark, 25 links with Co. S. N.
and ascend gradually

8000

Set a flint stone 20 x 20 x
20 ins. 15 ins. in the
ground for Cor. to Sec.
21. 22. 27 and 28 marked with
2 notches on S. and 3 notches
on E. edges. and raised a
mound of stone along with
Pits unfractured to
Surface gently rolling
Set with note

T. & N. R. I. T. C. & S. R. M.

Chel.

Light grass

Cast on a random line
bet. Secs. 22 and 27
Va. 13' E 5' E.

Dug out gradually

- 20.10 Wash 20 links wide Co.
S. N. and ascend gradually
- 40.00 Set temporary 1/4 Sec. Cor. V
- 80.53 Intersect V N. and S. line
51 links S. of the Cor.
to Secs. 22, 23, 26 & 27
thence I run S. 89°
38' N. on a true line
bet. Secs. 22 and 27
with same va.
- 40.26 Set a limestone 16x9x6 vis
11 vis. in the ground for
1/4 Sec. Cor. marked 1/4
on N. face and raised

T. 21. N. R. 17 E. C. & S. R. M

Ch.

a mound of stone along with
Pit unpracticable

0.53 The Cor. to Secs. 21, 22, 27 & 28

Surface quite rolling
Soil 4th rate

Slight grass

North bet. Secs. 21 and 22
Va. 18° 25' E.

Asced gradually

0.00

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
N. and S. of stone $5\frac{1}{2}$ feet 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. 12 ins. in the ground marked $\frac{1}{4}$ S. on N.
face.

80.00

Deposited a marked stone 12 ins. in the
ground for Cor. to Secs. 15, 16, 21 & 22, 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
over it. In S E pit drove a stake 2 ins. sq. 2

T. 21. N. R. 17 E G & S R M

ft. long 12 ins in the ground marked 1. 21/1,
 S. 15 on N.E., R. 17 S. 22, on S.E. S. 21
 on S.W. and S. 16 on N.W. faces, with
 3 notch on S, and 3 notch
 on E edges.

Surface greatly rolling
 Soil about 2nd rate
Fair grass

East on a random line
 bet. Sec. 15 and 22
 Var. 26' E.

Bound

0.00 Set temporary 1/4 Sec. Cor.
 0.21 Intersect N. and S. line
 & like S. in the Cor. to
 Sec. 14. 15 22 and 23 thence
 I run S. 89° 49' N. on
 a true line bet. Sec.
 15 and 22 with
 same var.

T.21. N. R 17 E G. & S R M

Chs.

4010

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 $\frac{1}{2}$ feet dist and raised a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{2}$ S. on *W.* face.

80.21 The Cor. to Sec. 15-16 21 & 22

Surface gully rolling
Soil about End. rate
Fair grass

North bet. Sec. 15 and 16
Var. 15° 26' E.

Obscure

8121

Top of spur bet. S. W. and
Obscure

4000

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 $\frac{1}{2}$ feet 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.

T. 21 N. R. 17 E. G. & S. R. M

Sh.

12 ins. in the ground marked $\frac{1}{2}$ S. on N. face.

41.50 West 10 links with G. 0.
 It and ascend gradually
 80.00 Set a limestone $14 \times 8 \times 4$
 ins. 9 ins. in the ground
 for Cor. to Sec. 9, 10, 15
 and 16 marked with 4
 notches on S. and 3 notches
 on E. edge; and raised
 a mound of stone alongish
 pits, unproductive
 Surface nothing
 Soil 3rd. rate
 Fair grass

East on a random line
 bet. Sec. 10 and 15
 Var. $10^{\circ} 27' E.$

Ascend gradually

T. 21 N. R. 17 E. C. & S. R. M

Chs.

- 40.00 Set temporary 1/4 Sec. Cor.
- 44.10 Mark 12 Flukes side
Co. S. H. continue to ascend
- 79.79 Intersect N. and S. line
10 flukes N. of the Cor.
to Secs. 10, 11, 14 and 15
true course $N. 89^{\circ} 05' E. 1/4 M.$
on a true line bet.
Secs. 10 and 15
with same ca.
- 39.89 Set a limestone $16 \times 10 \times 4$
ins. 11 ins. in the ground
for 1/4 Sec. Cor. marked
1/4 on N. face. and
raised a mound of
stone along side.
Pit's imperceptible
- 79.79 The Cor. to Secs. 9, 10, 15 & 16
Surface rolling & rough
Set ind. note

T. & N. R. I. T. E. C. & S. R. M.

Light grass

North lot Sec. 9 and 10
Val. 13' 27' E.

Accord

40.00

Set a flint stone 24x24x16 ins.
18 ins. in the ground for 1/4
Sec. Cor. marked 1/4 on
N. face and raised a
mound of stone alongside
It's impracticable

58.00
78.15
80.00

Enter book
Winslow & Moggi Road Course N. 68 S. W.
Set a flint 20x16x10 ins. 15
ins. in the ground for Cor.
to Secs. 9 & 10 marked
with 5 notches on S. and
3 notches on E. edge.
and raised a mound
of stone alongside.
It's impracticable

T21 N. R 17 E G. & S R M

Surface very rough and rocky
 on last part
 Soil 4th rate
 Very little vegetation

East on a random line
 bet. Secs. 3 and 10
 Var. $12^{\circ} 30' E$.

Ascend

- 50 Window and moqui road
 bet. $N. 10^{\circ} E$ and $S. 10^{\circ} W$.
- 40.00 Set temporary 1/4 Sec. Cor.
- 78.20 Top of ridge bet. $N. 40^{\circ} W$
 and $S. 40^{\circ} E$. 200 ft. high
 and descend
- 79.47 Enter out $N.$ and $S.$ line
 4 1/2 miles $N.$ of the Cor.
 to Secs. 2, 3, 10 and 11 then
 a run $N. 89^{\circ} 42' W$.
 on a true line bet. Secs.

T. 21 N. R. 17 E. G. & S. R. M.

9 and 10 with same val.
 9.73 Set a small stone, 15 x 9 x 4 ins. 10 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. 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.

79.47 The Cor. to S.W. 34. 9 and 10
 Surface rough
 Soil 4th rate
 Very little vegetation
 on a ~~wooded hill~~
 North $\frac{1}{2}$ Sec. 3 and 4
 Val. $10^{\circ}30' E.$

Acres

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
 56.12 Minlow and Mogui road hrs.
 N. $40^{\circ} E.$
 71.50 Mark 75 links wide Cor.
 S. $40^{\circ} N.$
 9.73 Intersect N. boundary of the

pit drove a stake 2 ft. long 2 ins.

T. 21. N. R. 17 E. C. & S. R. M

Chas.

Township 40 miles E. of
the Cor. to Sec. 34, 985
34 which was recently
established by me. Thence
I run S. 0° 17' E. on a
true line bet. Sect. 3 and 4
with same W.

39.73

Set a sandstone 14x14x12 in.
gains in the ground
for 14 Sec. Cor. marked
14 on N. face, and raised
a mound of straw alongside
to be impracticable.

79.73

The Cor. to Sec. 34, 9810
Surface rough and rocky
Soil 4th rate.
Very little vegetation
I carefully examined the
adjustment of my Solar
Compass to-day particularly

T. & N. R. 17 E. G. & S. R. M.

the latitude and surveying apparatus and found them correct

W. D. Wheeler Nov 20 1882

From the ^{Standard} Cor. to Sec. 32 and 33 on the S. Bound. of the Township recently established by me. I run North to Sec. 32 and 33

Val. 10128'E

Over nearly level surface

Deposited a marked stone 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins.

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

Nov 25 links with Co. S. Pt.

stake 2 ft. long 2 ins.

T.21.N.R 17 E G. & S R M

Chs.

80,00

Set a flint stone $1\frac{1}{2} \times 6 \times 6$ ins, 9 ins. in
the ground for Cor, to Secs, 28, 29, 32 ³³ marked
with / notch on S. and 4 notch ~~on~~ 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.

Surveyed nearly level
Soil 4th rate
Light grass
Some sagebrush

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

Var. $13^{\circ} 28' E.$

Descend gradually

15.12 Mar 20 Chas. W. Co.

S.M. and ascend

40,00 Set temporary 44 Sec. Cor.

80.43 Intersect R.R. and S. line

22 miles S. of the

T. 21. N. R. 17 E. G. & S. R. M

Ch.

Cor. to Sec. 27 28. 83
and 34 thence I ran
S. 87° 51' W on a true line
bet. Sec. 28 and 33
with same cu.

40.22

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
E. and W. of stone $5\frac{1}{2}$ feet dist and raised
a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
it. In E pit drove a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on E.
face.

80.43

The Cor. to Sec. 28, 29, 32 & 33
Surface gully rolling
Soil 4th lot
Little vegetation

North bet. Sec. 28 & 29
Va. 13° 28' U.
Droend gradually

T. 21. N. R. 17 E. G. & S. R. M

0.00
 Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. *N.* and *S.* of stone $5\frac{1}{2}$ feet dist and raised a mound of earth $1\frac{1}{2}$ ft. high $5\frac{1}{2}$ ft. base over it. In *N.* pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on *N.* face.

0.00
 Set a facet stone $13 \times 12 \times 8$ ins. in the ground for Cor. to Secs. 20, 21, 25 & 29 marked with 2 notch \times on S. and 4 notch \times 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 4th rate
 Little vegetation

East on a random line
 bet. Secs. 21 and 25
 Va. 12028^{NE}
 Over nearly level land


T21. N. R 17 E G. & S R M

0.00 *Temporary 1/4 Sec. Cor.*
 2.16 *Contract E. and S. line*
 36 links S. of the Cor.
 to Secs. 21, 22, 27 and 28
 thence I run S. 89° 45' W.
 on a true line bet. Secs.
 21 and 28 with same on.

2.08 Deposited a marked stone 12 ins. in the
 ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins.
 E. and W. of stone 5 1/2 feet dist and raised
 a mound of earth 1 1/2 ft. high 3 1/2 ft. base over
 it. In E. pit drove a stake 2 ft. long 2 ins.
 sq. 12 ins. in the ground marked 1/4 S. on
 face.

20.16 The Cor. to Secs. 20, 21, 28 and 29
 Surface nearly level
 Soil 4th rate
 Light vegetation

North bet. Secs. 20 and 21
 Va. 10° 25' E.

it. In  pit drove a stake 2 ft. long 2 ins.

T. 21. N. R. 17 E. G. & S. R. M.

Chs.

40,00

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone $5\frac{1}{2}$ feet 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. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

80,00

Deposited a marked stone 12 ins. in the ground for Cor to Secs. 16, 17, 20 or 21 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 over it. In S. E. pit drove a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked T. 21 N. S. 16 on N. E, R. 17 E. S. 21 on S. E. S. 20 on S. W. and S. 17 on N. W. faces, with 3 notch \circ on S, and 4 notch \circ on E edges.

Surface nearly level
 Soil 4th rate
 Light vegetation

T. 21. N. R. 17 E. G. & S. R. M.

Chs.

Cast on a random
line bet. Sec. 16 and 21
Var. $10^{\circ} 00'$

Record

4000 Set temporary on 1/4 Sec. Cor.

60.10 Top of spur to S.W.
and descend

79.72 Intersect N. and S. line
20 links N. of the Cor.
to Sec. N. 16, 21 and 22.
thence I run N. $59^{\circ} 51'$ W.
on a true line bet. Sec.
16 and 21 with same va.

89.86 Deposited a marked stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. dug pits $13 \times 18 \times 12$ ins.
E. and W. of stone $5\frac{1}{2}$ feet dist and raised
a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
it. In E. pit drove a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N.
face.

79.72 The Cor. to Sec. 16, 17, 20 & 21

pit drove a stake 2 ft. long 2 ins.

T. 21. N. R. 17 E. G. & S. R. M.

Surface gently rolling
Soil 2nd rate
Fair grass

North pt. Secs. 16 and 17

Val. $13^{\circ} 30' W.$

Over nearly level land

40.00 Set a flint stone
16x12x4 ins., 11 ins. in the
ground for 14 Sec. Co.
marked 14 on N. face
and raised a mound
of stone along side.

Pits unpracticable

45.90 Mark 105 lake side Co.
S. N.

57.00 Winslow and Moguis road
to S.E. and S. N.

80.90 Set a flint stone 16x12x5
ins., 11 ins. in the ground

T. 21. N. R. 17 E. G. & S. R. M.

for 1/2 Cor. to Sec. 8. 9. 16 &
17 marked with 4 notches
on S. and E. edges.
and raised a mound of
straw along side.

Pit impracticable

Soil free rolling

Soil about 3rd rate

Light vegetation

East on a road over hills
bet. Sec. 9 and 16

Var. 10° 30' E.

Ascend gradually

250
Minnow and moose road
to N. 20° E. and S. 20° W.

15.00
Walk 100 Ch. wide Co. S. N.

40.00
Set temporary 1/4 Sec. Cor.

79.94
Intersect St. and S. hills
28 links S. of the Cor.

T. 21. N. R. 17 E. G. & S. R. M.

to Secs. 9, 10, 15 and 16
 thence I run S. 89° 45' W.
 on a true line bet.

Secs. 9 and 16 with same cov.

9.97 Set a flint stone 14 x 8 x 4
 ins. 9 ins. in the ground
 for 114 Sec. Cor. marked
 114 on N. face and

raised a mound of stone
 alongside, 100 lbs. weight

9.94 The Cor. to Secs. 8, 9, 16 & 17

Surface rolling

Very little grass

Soil 2nd. rate

North bet. Secs. 9 and 9
 Va. 13° 35' E.

Acend

8.20 Wash 175 links wide Co.

S. H.

T21 N. R 17 E G. & S R M

Main low and Mygale road
 for N. 60° E. and S. 60° W.

Deposited a marked stone 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
 N. and S. of stone 5 $\frac{1}{2}$ feet 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. 12 ins. in the ground marked $\frac{1}{4}$ S. on N.
 face.

Set a flint stone 16 x 14 x 10
 ins. 11 ins. in the ground
 for Cor. to Sec. 4, 5, 8 and 9
 marked with 5 notches on
 S. and 4 notches on E. edges.
 and raised a mound of stone
 along side. Out imperishable
 surface rough and rolling
 Soil 4th rate
 Little grass

it. In \cup pit drove a stake 2 ft. long 2 ins.

T. 21. N. R. 17 E. G. & S. R. M

Ch.

East on a random line
bet. Sec. 4 and 9
V. - 120° 20' E.

40.00 D. record
Set temporary 1/4 Sec. cor.
55.50 Mark 100 links wide cor. S.
and record

79.68 Contrast N. and S. line
16 links S. of the cor.
to Sec. 3.4. Part 10
thence I ran S. 59° 53' W.
on a true line bet.
Sec. 4 and 9 with
saw on.

39.84 Set a flat stone 14 x 10 x 6
ins. 9 ins. in the ground
for 1/4 Sec. cor. marked
1/4 on N. face and
raised a mound of stone
along side - Put impracticable

T. 21. N. R. 17 E. C. & S. R. M

Ch.

29.65 The Cor. to Secs. 4, 5, 8 & 9
 Surface rough
 Soil 4th rate
 Little vegetation

North on a random line bet.
 Secs. 4 and 5
 Va. 100° 30' E.

wood

29.80 Set temporary 14 Sec. Cor.
 29.86 Intersect ~~St. Day~~ ^{Day} line
 22 mi. E. of the Cor.
 to Secs. 4, 5, 22 and 23
 which was recently established
 by me. Check I run
 S 0° 9' E. on a true
 line bet. Secs. 4 and 5
 with same Va.

29.86 Set a limestone 16x9x7
 ins. 11 ins. in the ground

16. In pit drove a stake 2 ft. long 2 ins.

T21.N.R17E.C.&SRM

Chs.

for 1/4 Sec. Cor. marked
 1/4 on N. face and
 raised a mound of stone
 along side, Pit imperceptible
 The Cor. to Secs. 4, 5, 8 & 9
 Surface quite rough and rocky
 Soil 4th rate
 Very little vegetation
 John Mehan Nov. 20th 1882.

9.56

From the ^{Standard} Cor. to Secs.
~~31~~ 31 and 32 on the
 S boundary of the
 township (reducing what held
 by me. I own
 North 1/2 Sec. 31 and 32
 Var. 100 30° E.

Over nearly level land
 Set a flint stone, 14 x 8 x 5 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.

4000

T. 21. N. R. 17 E. G. & S. R. M

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

Deposited a marked stone 12 ins. in the
 ground for Cor. to Secs. 29, 30, 31, 32, 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
 over it. In S. E. pit drove a stake 2 ins. sq. 2
 ft. long 12 ins in the ground marked T. 21/31.
 S. 29 on N. E. R. 17 E. S. 32 on S. E. S. 31
 on S. W. and S. 30 on N. W. faces, with
 1 notch on S, and 5 notch on
 on E edges.

Surface nearly level
 Soil 2nd. with
 little grass

East on a random line
 bet. Secs. 29 & 30

Ve. $18^{\circ} 22' E.$

Upper nearly level land

Set temporary 14 Sec. Cor.

It. In \cup - pit drove a stake 2 ft. long 2 ins.

T21.N.R.17 E.C. & S.R.M

Ch.

79.87 I retraced N. and S. line
 6 links S. of the Cor. to
 Secs. 28, 29, 32 and 33
 thence I run S. 89° 57' W.
 on a true line bet. Secs.
 29 and 32 with same or.

39.93 Deposited a marked stone 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
 E. and W. of stone $5\frac{1}{2}$ feet dist and raised
 a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
 it. In E. pit drove a stake 2 ft. long 2 ins.
 sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N.
 face.

79.87 The Cor. to Secs. 29, 30, 31 and 32
 Surface nearly level
 Soil 3rd. rate
 Scattering oaks but
 little grass

U. D. Wheeler Nov. 21st 1852.

T. 21 N. R. 17 E. G. & S. R. M.

Met on a road on line
bet. Secs. 25 and 27

No. 10° 22' E.

Proceed very gradually
Set temporary 1/4 Sec. Cor.

Window and Mogui road

to S 20° N. and N. 30° E.

Intersect N. Corner of the T. 42
links S. of the Cor.

to Secs. 25, 30, 31 and 36
recently established by me.

Then I ran S. 89°
42' E. on a true line
bet. Secs. 30 and 31
with same N.

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

it. In N. pit drove a stake 2 ft. long 2 ins.

57

T. 21. N. R. 17 E. G. & S. R. M

Ch.

79.51 The Cor. to Sec. 29. 20. 21 & 22
 Surface gently rolling
 Soil 4th rate
 Little grass
 Some cactus
 John Mahan Nov. 21st 1852

North 10. Sec. 29 and 20
 Val. 13rd 22nd E.

Over nearly level land

40.00

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

80.00

Deposited a marked stone 12 ins. in the
 ground for Cor to Secs. 19, 20, 29 & 30, dug pits
 18 x 18 x 12 ins in each Sec. $\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft. high 4 $\frac{1}{2}$ ft. base
 over it. In S E pit drove a stake 2 ins. sq. 2
 ft. long 12 ins in the ground marked T. 21 Cr.
 S 20 on N E R 17 E. S. 29 on S E. S. 30

T. 21 N. R. 17 E. G. & S. R. M

Cho.

on S. W. and S. 19 on N. W. faces, with
 2 notch on S, and 5 notch
 on E edges.

Surface run by level
 Soil 4th Sub-
 Little vegetation

East on a random line
 bet. Secs. 20 and 29

Var. 130° 30' E.

Very nearly level land.

4000 Set temporary 1/4 Sec. Cor.

7963 Set west cor. and S. line

21 links N. of the Cor.

to Secs. 20, 21, 28 and 29

thence I run N. 59° 05' W.

on a true line bet. Secs.

20 and 29 with same var.

3984 Deposited a marked stone 12 ins. in the
 ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins.

E. and W. of stone 5 1/2 feet dist and raised

a mound of earth 1 1/2 ft. high 5 1/2 ft. base over

it. In E. pit drove a stake 2 ft. long 2 ins.

T. & N. R. 17 E. G. & S. R. M

Chs.

sq. 12 ins. in the ground marked $\frac{1}{2}$ S. on *Ch.*
face.

79.63 The Cor. to S. 19, 20, 29 & 30
- Surface nearly level
Soil 4th rate
Little grass

Met on a random line
bet. S. 19 and 30
Var. $130^{\circ} 35' E.$

24.20 D road gradually
Kinslow and Elmoqui
road bet. N. 20 E. & S. 20 W.

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

65.00 Wash 22' links wide
Co. S. $70^{\circ} W.$

79.25 Intervent N. boundary
of city town no link or links
S. of the Cor. to S. 19,
24, 25 and 30
recently established by me.

T. 21. N. R. 17 E. C. & S. R. M

Chs.

Thence I run S. 59°
34' E. on a true line
bet. Secs. 19 and 20
with a curve in.

3928

Deposited a marked stone 12 ins. in the
ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
E. and W. of stone 5 $\frac{1}{2}$ feet dist and raised
a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base over
it. In E. pit drove a stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N.
face.

7928

The Cor. to Secs. 19, 20, 29 & 30
Survey on rolling
Soil 4th rate
Little grass
John Mahan Nov. 21st, 1882

North bet. Secs. 19 and 20
Va. 100° 30' E.

Proceed

4000

Set a limestone 14 x 12 x 8
ins. 9 ins. in the ground

T. 21. N. R. 17 E. G. & S. R. M

Chs.

for 14 Sec. 10, marked
14 on N. face and
raised a mound of
stone along side.

Pib. imperatible

40.85 Mineral and Mogui road
trs. N. 20' E. and S. 20' W.

70.20 Mark 180 links wide Co. S. W.

80.00 Set a flint stone 15x8x4
ins. 10 ins. in the
ground for Co. to Sec.

17, 18, 19 and 20 marked
with 3 notches on S.
and 5 notches on E. edge
and raised a mound
of stone along side.

Pib. imperatible

Surface rolling
Soil 4th rate
Little grass

T. 21. N. R. 17 E. G. & S. R. M

Ch.

East on a random
line bet. Secs. 17 and 20
Var. $13^{\circ} 24' E.$

Descend

25.00 Mark 15 links wide Cor.
S. $20^{\circ} N.$ and ascend

26.40 Mountain and Moqui road
bet. N. $30^{\circ} E.$ and S. $30^{\circ} N.$

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

49.78 Eastward N. and S.
line 46 links S. of the
Cor. to Sec. 16, 17, 20 & 21
thence I run S. $89^{\circ} 40' N.$
on a true line bet. Secs.
17 and 20 with same var.

49.89 Set a line corner $16 \times 8 \times 4$
ins. 11 ins. in the ground
for $1/4$ Sec. Cor. marked
 $1/4$ on N. face and
raised a mound of
stone alongside.

T. 21. N. R. 17 E. C. & S. 1 N. M.

Cho.

79.78 Pit impracticable
 The Cor. to Secs. 17, 18, 19 and 20
 San Juan rolling
 Soil 3rd. to 4th. rate
 Light grass
 John Mahan Nov. 21st. 1852

What was a road on line bet.
 Secs. 18 and 19
 Va. $100^{\circ} 24' E.$

40.00
 79.44 As usual
 Set temporary 1/4 Sec. Cor.
 I intersect N. Boundary
 of the Township 22 hwy
 N. of the Cor. to Secs.
 13, 18, 19 and 24 which
 was recently established by me.
 Thence I run N. $89^{\circ} 51' E.$
 on a true line bet. Secs.
 18 and 19 with same. var.

T. 21 N. R. 17 E. G. & S. 1 M

Chs.

39.44

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. E. and N. of stone $5\frac{1}{2}$ feet dist and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

79.44

The Cor. to Sec. 17, 18, 19 & 20

Surface rolling
Soil Sand. rich
Light grass

John M. ... Nov. 21st 1882

North Mt. Sur. 17 and 18

Tr. 18' 24" E

Ascend

40.00

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of stone $5\frac{1}{2}$ feet 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. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

80.00

Set a flint stone 21 x 15 x 12

T. 21. N. R. 17 E. G. & S. 1 M.

Chs.

was 15 ins. in the ground
 for Cor. to Secs. 7, 8, 17 & 18
 marked with 4 notches
 on S. and 5 notches on
 E. edge; and raised a
 mound of stone alongside
 Pub. map Section
 Surface rolling
 Soil 3rd. rate
 Light grass

East on a road on line
 bet. Secs. 9 and 17
 Var. $3^{\circ} 29' E$
 Descend over breaks.

40.00
 80.24
 Set temporary 44 Sec. Cor.
 Entered N. and S. line
 26 links S. of the
 Cor. to Secs. 8, 9, 16 &
 17. Then I run
 S. $89^{\circ} 53' N$. on a

T. 21. N. R. 17 E. C. & S. R. M

Ch.

true line bet. Secs.
 8 and 17 with same var.
 Deposited a marked stone 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
 E. and W. of stone $5\frac{1}{2}$ feet dist and raised
 a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
 it. In E. pit drove a stake 2 ft. long 2 ins.
 sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on W.
 face.

40.12
 80.24 The Cor. to Secs. 7, 8, 17 & 18
 Surface slightly rolling
 Soil 2nd. to 4th rate
 Fair grass
 O. D. Wheeler Nov. 21st. 1821.

Went on a random line bet.
 Secs. 7 and 18

Var. $100^{\circ} 29' E.$

4000
 78.85
 Over nearly level ground
 Set temporary $\frac{1}{4}$ Sec. Cor.
 Dated and V. N. boundary
 of the town ship 14 miles

T. 21. N. R. 17 E. G. & S. R. M

Ch.

S. of the Cor. to Sec.
7, 12, 13 and 18 which was
recently established by me.
thence I ran S. 89° 04' E.
on a true line bet.
Secs. 7 and 18 with
said or.

2880

Set a said stone, 15 x 15 x 6 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. 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.

7880

The Cor. to Sec. 7, 8, 17 and 18
Surface slightly rolling
Soil 2nd. to 4th rib
Fair grass
John Mahon. Comptroller
Nov. 21st. 1882

North bet. Secs. 7 and 8
Va. $13^{\circ} 29' E.$

T. 21 N. R. 17 E. C. & S. R. M.

Cho.

Acacid

40.00

Set a flint stone, $15 \times 10 \times 12$ ins., 10 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.

80.00

Set a flint stone $20 \times 12 \times 8$ ins., 10 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.

Surface rolling

Soil 4th rate

Very little vegetation

East 1st. Div. said 8

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

Acacid

40.00

79.97

Set temporary 1/4 Sec. Cor. Entered N. and S. flint

T. 21 N. R. 17 E. G. & S. R. M

Cho.

I look N. of the
 Cor. to Secs. 4, 5, 8 and 9
 there I run N. $89^{\circ} 57' 11''$
 on a true line bet. Secs.
 5 and 8 with same on.

39.99

Set a flint stone $16 \times 15 \times 8$
 ins. in the ground
 for 114 Sec. Cor. marked
 114 on N. face, and
 raised a mound of stone alongside
 into impracticable

79.97

The Cor. to Secs. 5, 6, 7 and 8
 Surface rolling
 Soil of the note
 Very little vegetation
 O. D. Wheeler Nov. 21st, 1882.

Met on a random line
 bet. Secs. 6 and 7

D. Wood

Va. $13^{\circ} 20' E$.

T. 21 N. R. 17 E. C. & S. R. M.

Cho.

40.00

78.48

Set temporary 114 Sec. Cor-
 Outcrop St. Boundary
 of the township 20 miles
 S. of the Cor. to Sec. 1, 6,
 7 and 12 which was recently
 established by me. I ran
 S. 89° 30' E. on a true
 line bet. Sec. 6 and 7
 with same vs.

38.48

Set a limestone 16 x 9 x 4
 ins. in the ground
 for 114 Sec. Cor. marked
 114 on N. face and
 raised a mound of
 stone along side.
 Pit impracticable

78.48

The Cor. to Sec. 5, 6, 7, 8,
 Surface rough and rocky
 Set 4th rate
 Very little vegetation

T. 21. N. R. 17 E. G. & S. 1. M

Chs.

Path bet. Sec. 5 and 6
Var. $100^{\circ}00'E$.

Accord

4000 Set temporary 14 Sec. cor.
7992 Intersect N.W. Boundary of
the township 17 Sec. E. of the Cor. to Sec.
5. 6. 31 and 32 which
was recently established
by me. Thence I ran
 $S 0^{\circ} 7' E$. on a true
line bet. Sec. 5 and 6
with same var.

7993 Set a limestone $16 \times 8 \times 4$
ins. in the
ground for 14 Sec. cor.
marked 14 on N. face
and raised a mound
of stone alongside.
Pit's unpracticable

9.92 The Cor. to Secs 5. 6. 7 and 5

T. 21 N. R. 17 E. C. & S. R. M

S. 1.

Surface rough
Soil 4th. date
No vegetation
John W. Baker Comptroller
Nov. 21st, 1882.

General Description

This township is divided into two parts in regard to surface. The South and southwest parts are in the valley of the little Colorado River and is sandy and level with good grazing and considerable sage brush, no timber.

Soil 2d. rate

The N. and N.E. parts are very rough and rocky, with no grass and little timber and soil which is of the rate

For Final Cashes see
Book No 20

U. S. Surveyor General's Office,
Tucson, Arizona, July 21, 1883,

The foregoing Field Notes of the survey of the

Subdivision Lines of Township
21 North Range 17 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by O. D. Wheeler,

D. S., under his contract of the 5th day of

August, 1882, having been critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe, are hereby approved.

J. M. P. [Signature]

Surveyor General.