

No-140

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

-OF-

140

Township 13 N. Range 24 E.

Gila and Salt River Base and Meridian

ARIZONA.

By O. D. Wheeler D. S.

under contract dated May 3 1882

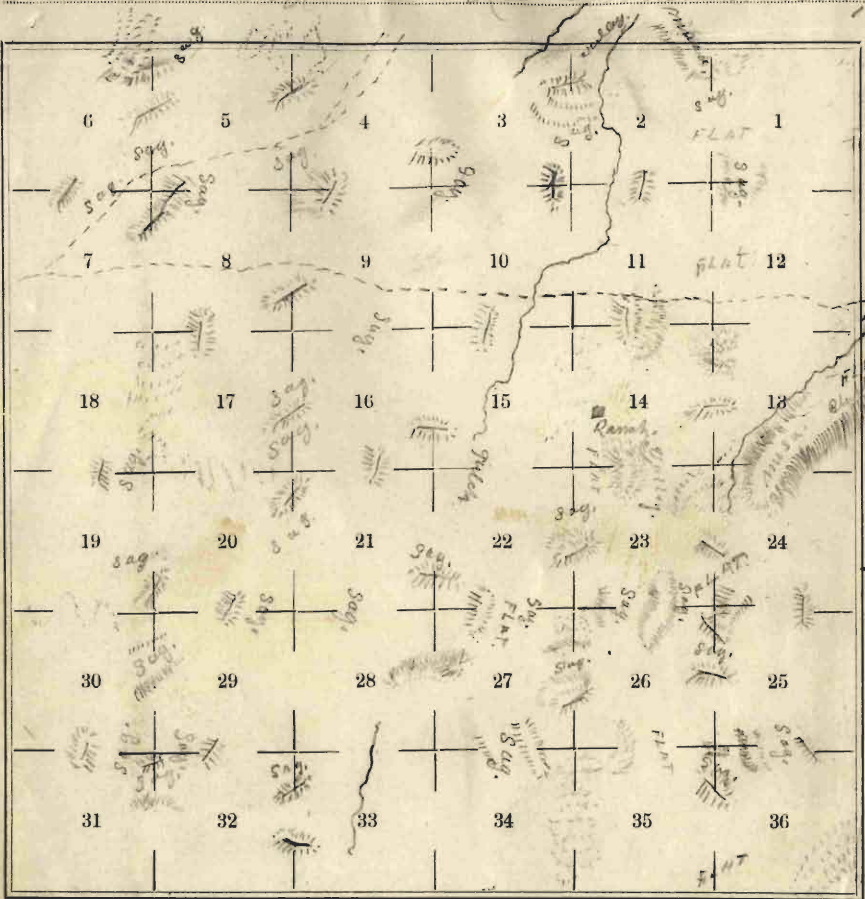
Survey commenced Aug 23 1882

Survey completed Aug 25 1882

No-140

Township 13 N

Range 24 East M.



BOOK 140

INDEX DIAGRAM.

1A

Township 1 3 North

Range 2 4 East

	6	95.	5	64.	4	51.	3	34.	2	18.	1
93.		91.		67.		49.		33.		16.	
	7	90.	8	65.	9	48.	10	31.	11	15.	12
88.		87.		64.		47.		30.		13.	
	18	85.	17	62.	16	45.	15	28.	14	12.	13
83.		82.		61.		44.		26.		10.	
	19	81.	20	59.	21	42.	22	25.	23	8.	24
79.		77.		57.		41.		24.		7.	
	30	76.	29	56.	28	39.	27	22.	26	5.	25
74.		73.		55.		38.		21.		4.	
	31	71.	32	53.	33	37.	34	19.	35	2	36

Gila and Salt River, Arizona.

1A

ARIZONA.

T 13 N. R 24 E. S. & S. R. M

basis -

Survey commenced Aug
23^d 1882,

Survey made with Burt's
Patent improved Solar Compass
nearly new & in first rate
order. Made by Otto Fennel
of Cassell Germany in
1881. Before proceeding
to subdivide this Sp -

I made a change of
5 minutes in the latitude
arc of my Solar Compass -
by adding same to the
reading previously given
and at noon verified
& corrected the same
by observation on the
sun - I also further
tested instrument
by reversing -

S. 3 N. R. 24 E.

chs -

From the Cor. to Secs 1-
2-35-36 on S. By of Sp
which is a sand plain
16 x 6 ins set firmly
in the ground - properly
notched & with pits
& mounds in each Sec
5 1/2 ft. dist - B. S. S. E.

Run North bet. Secs 35 & 36,
to a 10° 56' E.

2,000 Beaver timber bet. 75° E.

Over flats

35,000 Ascend from flat

40,000 Set a lava stone 10 x 8

x 6 ins 6 ins in the ground

for 1/4 Sec Cor. marked

1/4 on W. face & raised

a mound of stone

along side. Pits impracticable

T. 3 N. R. 24 E

Chs-

- 42.00 Top of spur has N 65° W +
descend.
- 53.00 Crossed a g. 10.00 chs wide
course N 62° W.
- 62.00 Top of bluff 60 ft. high
has N 65° W + descend.
- 74.70 Over steep bluff 40 ft. high
- 80.00 Hit a lava stone 12 x 8 x 4
ins x ins in the ground for
Cor. to becs 25-26 of 35 + 36
marked with 1 notch on
S + E edges - + raised a
mound of stone alongside
Pits unreachible -
Sand broken + rocky
Soil 3rd rate.
Timber scattering juniper
-

7
BOOK 140

S 13 N. R 24 E -

Chs -

N 89° 12' E on a random
line bet. Secs 25 + 36 -

to a 13° 56' E,

ascend over broken
hills -

40,00

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

50,00

Top of spur 95 ft. high
bet N. W + descend

80,08

Intersect E. By of Sp -
10 lbs S of Cor. to Secs -

25 - 30 - 31 + 36 - which is a
lava stone 10 x 5 ins -

properly marked &
with pits + mounds

in each Sec $5\frac{1}{2}$ ft. dist.

from which Cor. Draw -

S 89° 16' W on a true
line bet. Secs 25 + 36

with same Va -

S 13 N. R 24 E,

Chs-

40, ~~58~~²⁹

Set a lavastone $14 \times 10 \times 4$
 ins 10 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ on N
 face & raised a mound of
 stone alongside, Pits impracticable

80, 5-8

The Cor. to Secs 25-26-35 & 36

Band broken & rolling

Soil 3^d rate

Timber scattering juniper

N. bet. Secs 25 & 26,

$\approx 13^{\circ} 56' E$,

Ascend,

40.00

Top of hill 5-0 ft. high
 has N-70° W on which
 I set a sand stone $48 \times$
 36×30 ins 30 ins in the
 ground for $\frac{1}{4}$ Sec Cor-

6
BOOK 140

T. 3 N. R. 24 E

Chs-

marked $\frac{1}{4}$ on W face
& raised a mound of
stone alongside, Pits
unpracticable.

60.47 Cross sag course E & W
& ascend

65.00 Top of hill 50 ft. high has
N. E & descend

80.00 Set a sand stone 16 x 14
x 8 ins 12 ins in the
ground for Cor. to Sec.
23-24-25 & 26 marked with
2 notches on S & 1 notch
on E edges & raised a
mound of stone alongside
Pits unpracticable
Band broken hills
Soil 32 rats
Sinker scattering juniper

T. 3 N. R. 24 E.

Chs-

N $89^{\circ}12'$ E on a random
line bet. Secs 24 & 25
va $130^{\circ}56'$ E.

9,50 ascend rocky bluff -
14,20 Top of hill 6 ft. high bet
N. E.

40,00 set temporary $\frac{1}{4}$ Sec Cor.

80,30 Intersect E. By of Sp -
14 lbs N of Cor. to Secs
19 - 24 - 25 + 30 which is a
post set firmly in a
mound of earth & properly
marked & notched & with
pits in each Sec $5\frac{1}{2}$ ft. dist.

from which Cor - Iron
N $89^{\circ}6'$ W on a true line
bet. Secs 24 & 25, with
same va -

S 13 N. R 24 E

Chs-

40,30¹⁵

Set a flint stone $12 \times 6 \times 3$
 ins x ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ on N
 face - Dig pits $18 \times 18 \times$
 $\frac{1}{2}$ ins E + W of about $5\frac{1}{2}$ ft.
 dist. & raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base alongside.

80,30

The Cor. to Secs - 23-24-25
 126

Land broken & rolling
 Soil 2nd + 3rd rate.
 Good grazing

North bet. Secs 23 & 24
 to a 13° 56' E.

29,90

Over flat ground,
 ascend rocky bluff

T 13 N. R 24 E.

chs-

4000 Set a sandstone 16×12
 $\times 6$ ins 12 ins in the ground
 for $\frac{1}{4}$ " Sec Cor marked $\frac{1}{4}$
 on W face. Dug pits $18 \times$
 18×12 ins $\frac{1}{2}$ + S of stone $5\frac{1}{2}$
 ft. dist. & raised a mound
 of earth $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side

8000 Set a sandstone $12 \times 10 \times 6$
 ins 8 ins in the ground for
 Cor. to Secs - 13 & 14 - 23 & 24
 marked with 3 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. & raised a mound of
 earth 2 ft. high $4\frac{1}{2}$ ft. base
 along side -

Hand rolling
 Soil 3 @ rate

BOOK 140

T 13 or R 24 E

chs-

Good grazing

N 89° 12' E on a random
line bet. Secs 13 + 24
to a 13° 56' E,

33.00
39.00
40.00
50.00
77.00
80.76

Ascend bluff hrs N. + S,
Top of bluff + descend -
Set temporary 1/4 Sec Cor -
Enter valley hrs N + S,
to save valley
Intersect E. By of 5 ft -
16 lbs S of Cor. to Secs -
13-18-19 + 24 - which is a
sand stone 12 x 3 run set
firmly in the ground -
properly marked with
pits in each sec 6-1/2
ft. dist.

S, S N. R 24 E

Chs-

from which Cor. I run
 S 89° 5' W on a true line
 bet. Secs 13 & 24 with same
 Va -

40,76³⁸

Set a sand stone 12 x 4
 x 3 ins 8 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 & W of stone $5\frac{1}{2}$
 ft. dia. & raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base along side -

40,76

The Cor. to Secs 13-14-20 & 24

Land broken & rolling
 Soil 2nd & 3rd rates

Good grazing
 Sprinkled feathering
 juniper

12
BOOK 140

D 130 R 24 E

Chs -

North bet. Secs 13 + 14

ba 130 56' E,

25,00

Top of spur - 15 ft. high
bet E + W -

40,00

Set sandstone 20 x 8 x
5 ins 15 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
On W face + raised a
mound of stone alongside
Pits unpracticable

59,00

Cross drain bet E + W,

80,00

Set a sandstone 15 x 10
x 6 ins 10 ins in the ground
for Cor. to Secs 11-12-13
+ 14 marked with 4 notches
on S + 1 notch on E edges -
Dug pits 18 x 15 x 12 ins
in back Sec $5\frac{1}{2}$ ft. dist.
and raised a mound of

S-13 N. R 24 E,

Chs-

earth 2 ft. high 4 1/2 ft. base
along side -

Bed rolling

Soil 3^d rate

Good grazing

Timber standing firmer

N 89° 12' E on a random
line bet. Secs 12 & 13

To a 130° 56' E.

Descend gradually.

37.50 Beaver timber hrs N. E.

40.00 Set temporary 1/4 Sec Cor -

80.24 Intersect E. By of Sp.

18 lbs N of cor. to Secs -

7-12-13 + 18 which is a

sand stone 12 x 4 ins

properly notched - set

firmly in the ground

S 13 N. R 24 E,

Chs

with pits in
each see 5-1/2 ft.
diam.

from which Cor. I run
S 89° 4' W on a true line
bet. Secs 12 & 13 with
same ba-

40, ~~24~~¹²⁴

Set a sand stone 10 x 8
x 6 ins 6 ins in the ground
for 1/4 Sec Cor. marked
1/4 on N. face + raised
a mound of stones alongside
Pits impracticable.

80, 24

The Cor. to Secs 11-12-13 & 14 -
to and rolling
Soil 2nd & 3rd rates
Good grazing

T 13 N. R 24 E.

cls-

North bek, Secs 11 + 12 -
 Tra 13° 56' E,
 ascend gradually,
 6.00 Cross show flakeford
 hrs E + W.

17.50 Cross flat course N. W.
 40.00 Set a sand stone 12 x 10
 + 5' mis & mis in the ground
 for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
 on W. face, Dug pits 18 x 18
 x 12' mis N + S off post $5\frac{1}{2}$
 ft. disk, & raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base around post.

80.00 Set a sand stone 12 x
 8 x 2' mis & mis in the
 ground for Cor. to Secs
 1-2-11 + 12 marked with
 5 notches on S + 1 notch
 on E edges, Dug pits

10
BOOK 140

5, 13 N. R 24 E

Chs-

18 x 18 x 12 ins in each
Sec 5 1/2 ft. disk. + raised
a mound of earth
2 ft. high 4 1/2 ft. base
alongside

Safe rolling
Soil 3rd rate
Good grazing

N 89° 12' E on random
line bet. Secs 14 & 12

to 13056' E,

Descend gradually,

22,500 Cross S. by hrs N. E.

40,000 Dit temporary 1/4 Sec Cor.

80600 Intersect E by of 5/8
S. side of Cor. to Secs -
1-6-7 & 12 which is a

S 13 N. R 24 E

Chs -

sand stone 12×4 ins
 set firmly in the ground
 properly notched & with
 pits & mounds in each
 Sec $5\frac{1}{2}$ ft. dist.

from which Cor. Iron
 $\$890.15$ Won a true line
 bet. Secs 1 & 12 with same ba.

40.³⁰
60

Set a sand stone 17×12
 $\times 5$ ins 12 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 of W of
 stone $5\frac{1}{2}$ ft. dist. & raised
 a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base alongside

80.60

The Cor. to Secs - 1-2-11 & 12

Sand rolling

Soil 3rd rate

Good grazing

BOOK 140

S. 13 N. R. 24 E.

Chs-

on a random line-

North, bet. Secs 1 & 2-

va 130° 56' E,

descend gradually,

20,000

Enter flat bet N. & E.

40,000

Set a temporary $\frac{1}{4}$ section-

45,000

beauf. ^{flat} bet N. E & ascend

80,250

Intersect North Bay

of Sp. 5-2 lbs W of Cor to

Secs 1-2-3 5 & 3 6 which is a

sand stone 12 x 8 ins

set firmly in the ground

properly notched & with

mounds & pits in each Sec

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

from which Cor Drun

& 22' W on a true line

between Secs 1 & 2 with

same variation,

40,250

Set a sand stone 10 x 5

x 4 ins 6 ins in the

T 13 N. R 24 E

Obs -

ground for $\frac{1}{4}$ Sec Cor. marked
 N on W face + raised
 a mound of stone alongside
 Pits impracticable

80.25 The Cor. to Secs 1-2-11+12-

Band rolling

Soil 3^d rate

Good grazing -

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

Aug 23^d 1888.

From the Cor. to Secs
 2-3-34+35 on S. By of
 Sp which is a sand stone
 set firmly in the ground properly

S-13 N. R 24 E,

chs-

notched & with pits & mounds in each Sec -

I run N. bet. Secs 34 & 35 -

ba 13° 5-6' E,

Over rolling ground,

40,000

Set a sand stone 20

x 15 x 8 ins 15 ins in

the ground for $\frac{1}{4}$ Sec Cor,

marked $\frac{1}{4}$ on W face

Dug pits 18 x 18 x 12 ins

N + S of stone 5 $\frac{1}{2}$ ft. dist,

& raised a mound of earth

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

along side -

80,000

Set a sand stone 48 x

20 x 12 ins 30 ins in the

ground for Cor, to Secs

26-27-34 & 35 marked

with 1 notch on S &

2 notches on E edges -

& raised a mound of

stone along side, Pits.

S 13 N. R 24 E.

Chs-

impracticable -

Land rolling

Soil 3^d rate

Good grazing

N 89° 12' E on a random
line bet. Secs 26 + 35

va. 13° 56' E.

Over broken hills -

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

67.00 Enter flat 60 ft. wide
bet. N. 10° W

80.68 Intersect N + S line 19
lbs S of Cor to Secs 26-27
34 + 35 - from which Cor
Drun -

S 89° 20' W on a true line
bet. Secs 26 + 35 with
same va.

BOOK 140

T 13 N. R 24 E,

Chs

40,34 Sit a lava stone $10 \times 8 \times 6$
 ins, 6 ins in the ground
 for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
 on N. face. Dig pits $18 \times 18 \times 12$
 ins E & W of stone $5\frac{1}{2}$ ft.
 dist, & raise a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base along side

80,68 Sec Cor. to Secs 26-27-34 & 35,
 Land broken & level
 Soil 2nd + 3rd rate
 Good grazing

At bet. Secs 26 + 27
 to 13056 E,

Ascend.

25,00 Top of spur hrs N 60° E
 + descend

S-13 N. R 24 E

Chs -

37.00 Cross Sagbes N. W., + ascend

40.00 Set a sand stone 20 x 14 x 8

ms 15 ms in the ground
for 1/4 Sec Cor. marked 1/4
on W face + raised a mound
of stone alongside, Pits
Impretractable

80.00 Set a sand stone 12 x 8 x 8

ms 8 ms in the ground
for Cor. to Secs 22-23-26
& 27, marked with 2 notches
on S & E edges Dig pits
18 x 18 x 12 ms in each Sec
5-1/2 ft. dia, + raised a
mound of earth 2 ft. high
4-1/2 ft. base alongside.

Band rolling + broken
soil 32 rates

Good grazing

S 13 N. R 24 E,

Chs

N 89° 12' E on a random
line bet. Secs 23 + 26

va 13° 56' E

25,20 Beave timber hrs N + S -

38,50 Descend rocky bluff
hrs N. E. 60 ft. high

40,00 Set temporary 1/4 Sec Cor.

41,80 Cross say course N. E.
+ ascend.

51,60 Top of hills 5-2 ft. high hrs
N 28° E + descend.

74,00 Cross say course N. E.

80,46 Intersect N + S line
11 lbs S of Cor. to Secs -
23 - 24 - 25 + 26 from which
Cor. I run.

S 89° 17' W on a true
line bet. Secs 23 + 26 -
with same va -

E 13 N. R 24 E

Obs-

40,23 Set a sandstone 21×12
 $\times 12$ ins for $\frac{1}{4}$ Sec Cor -
 marked $\frac{1}{4}$ on N. face
 & raised a mound of
 stone alongside, Pits
 impracticable -

80,46 The Cor. to Secs 22-23-26 & 27
 Round rolling & broken.
 Soil 2nd & 3rd rate,
 Good grazing

North bet. Secs 22 & 23,
 Va 1005-6' E,

Ascend,

37.70 Top of spur 70 ft. high
 bet N. E.

40,00 Set a sand stone $14 \times$
 8×5 - ins 10 ins in the
 ground for $\frac{1}{4}$ Sec Cor -

T 13 N. R 24 E

Chs

4400
80,00

marked $\frac{1}{4}$ on W face
 + raised a mound of stone
 alongside, Pits impracticable
 Foot of hill 70 ft. high -
 Set a sand stone 18x8x
 8 ins 10 ins in the ground
 for Cor. to Secs 14-15--27-28
 marked with 3 notches
 on S + 2 notches on E
 edges + raised a mound
 of stone alongside, Pits
 impracticable.
 Band rolling - of broken
 Soil 2nd + 3rd rates
 Good grazing

At 89012' E on a random
 line bet. Secs 14 + 23
 Va 13056' E

T 13 N. R 24 E

Obs -

Over flat

20.00 Rocky point 30 ft. high
has N.S.,40.00 Set temporary $\frac{1}{4}$ Sec Cor.

68.00 Entire valley has N. E + S. W.

80.58 Intersect N.S. line 6 lbs
N. of Cor. to Secs 13-14-23 + 24
from which Cor. Iron-
8 & 90.15' W on a true
line bet. Secs - 14 + 23
with same va.40.29 Set a sand stone 12 x
8 x 6 ins 8 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 + W of stone 5 $\frac{1}{2}$ ft.
diam. + raised a mound
of earth 1 $\frac{1}{2}$ ft. high

BOOK 140

T 13 N. R 24 E

chs -

80.58 3 1/2 ft. base alongside
 The Cor. to Secs 14, 15-22+23
 Land broken & rolling
 Soil 3^d rate,
 Good grazing

North bet. Secs 14+15-
 to 13° 56' E.

34.00 Over rolling ground,
 17.60 chs dug East is
 ranch of a heavy,
 40.00 Set a post 3 ft. long
 4 ins sq. with marks
 stone 16 ins in the ground
 for 1/4 Sec Cor. marked
 1/4 S on W face. Dug
 pits 18 x 18 x 12 ins W of
 of post 5 1/2 ft. dist -

T 13 N. R 24 E

chs -

72.00

80.00

raised a mound of earth 1/2 ft. high 3 1/2 ft. base around post to save timber hrs E + W.

Set a post 4 ft. long 4 ins sq. with marked stone 12 ins in the ground for Cor. to Secs - 10-11-14+15 marked T 13 N. S 11 on N. E.

R 24 E. S 14 on S. E. S 15 on S. W + S 10 on N. W faces with 4 notches on S + 2 notches on E edges.

Dug pits 18 x 18 x 12 ins in each Sec

5 1/2 ft. dia. + raised a mound of earth 2 ft. high 4 1/2 ft. base around post.

Handrolling
Soil 2nd rate

Good gray mix
Timber scattered juniper -

Sp 13 N. R 24 E

Obs -

$S 89^{\circ} 12' E$ on a random
line bet. Secs 11 + 14

$\text{va } 13^{\circ} 56' E$

Ascend -

28.00 Foot of hill 20 ft. high
bet N + S.

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

42.00 Enter timber bet N + S.

80.73 Intersect N + S line 21

lbs N of Cor to Secs -

11-12-13 + 14 from which
Cor. I run -

$S 89^{\circ} 21' W$ on a true
line bet. Secs - 11 + 14 with
same va .

40.36 Set a sand stone 12 x

8 x 3 ins 6 ins in the

ground for $\frac{1}{4}$ Sec Cor.
Marked $\frac{1}{4}$ on N. face

S 13 N. R 24 E

Chs -

Dug pits 18 x 18 x 12 ins
E + W of stone 5 1/2 ft.
dist. + raised a mound
of earth 1 1/2 ft. high 3 1/2
ft. base along side -

80.73

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

Land rolling -

Soil 3 @ rate

Good grazing -

Timber scattering juniper

North bet. Secs 10+11

to 13° 56' E,

15.00

Descend gradually
Cross Sudo-flake road
bet N. W.

40.00

Set sand stone 16 x 12 x 3
ins 12 ins in the ground
for 1/4 Sec Cor. marked

D, 3 W. R 24 E

lchs.

$\frac{1}{4}$ on W. face. Dug pits
 18 x 18 x 12 ins $\frac{1}{4}$ + $\frac{1}{8}$ of
 stone 5 $\frac{1}{2}$ ft. dist. &
 raised a mound of
 earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
 ft. base along side
 Set a sand stone 12 x
 10 x 8 ins 8 ins in the
 ground for cov. to bees.
 2-3-10 x 11 marked with
 5 notches on S & 2 notches
 on E edges. Dug pits
 18 x 18 x 12 ins in each
 See 5 $\frac{1}{2}$ ft. dist. &
 raised a mound of
 earth 2 ft. high 4 $\frac{1}{2}$
 ft. base alongside -
 sand rolling
 Soil 2 \rightarrow 3 \rightarrow 4 ft.

80,000

T. 3 N. R. 24 E

Chs -

Good grazing

At 89° 12' E on a true line bet. Secs 2 + 11

ba 13° 56' E,

Descend gradually,

19.50

Cross road Course N.

34.00

Top of spur - hrs N + S,

40.00

Set temporary 1/4 Sec Cor.

77.50

Enter timber hrs N + S,

80.65

Intersect N + S line at Cor. to Secs 1-2-11+12

from which Cor. I run S 89° 12' W on a true line bet. Secs 2 + 11 with same ba.

40.32

Set a sand stone

16 x 6 x 3 ins 12 ins in the ground for 1/4 Sec

S. 3 Cr. R. 24 E

Chs

Cor marked 1/4 on N face
Dug pits 18x18x12ms E & W
of post 5-1/2 ft. dist + raised
a mound of earth 1 1/2 ft.
high 3 1/2 ft. ^{base} dist. alongside

80.65

The Cor. to Secs 2-3-16+11

Bandrolling
Soil 3^d rath,
Good grazing

North on a random line
bet. Secs 2 + 3.

to a 130° 56' E,

Descend gradually,

33,20

Cross sag. course N. E.

40,00

Set temporary 1/4 Sec Cor

62,00

Top of spur 7 1/2 ft. ^{high} rise
bet E + W + descend

D. 13 N. R 24 E,

chs-

79.92 Intersect N. By of Sp -
 97 lks W of Cook to Secs -
 2-3-34+35 - which is a
 lava stone 10 x 8 ins
 set firmly in the ground
 properly notched & with
 pits & mounds in each
 Sec 5 1/2 ft. dist. -

from which Cor. Drum
 is 41' W on a true line
 bet. Secs 2 + 3 with same
 va.

39.92 Set a sand stone 10 x 8 x
 4 ins 6 ins in the ground
 for 1/4 Sec Cor. marked
 1/4 on W face. Dig
 pits 18 x 18 x 12 ins

S 13 N. R 24 E

Obs -

79.92

Went of slope $5\frac{1}{2}$ ft, dist. & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside

The Cor. to Secs 2-3-10 & 11

Soil 2nd & 3rd rath

Good grazing -

I carefully examined the adjustment of my solar compass today, particularly the latitude & reversing apparatus & found them correct

Aug 23^d 1882

S 13 N. R 24 E

chs-

From the Cor. to Sec -
 3-4-33+34 on S. Bay of Sp
 which is a post set in
 earth mound - properly marked
 + notched + with pits in
 each sec + bearing trees
 N. E. S. E + S. W. properly
 marked

Thence I run N. bet Secs
 33 + 34 -

$\theta = 130^{\circ} 56' E,$

○ on rolling ground.

40.00

Marked a fir tree
 8 ins diam for $\frac{1}{4}$ Sec Cor
 $\frac{1}{4}$ S on W face + dug pits
 N + S of tree $5\frac{1}{2}$ ft. dist.

80.00

Set a sand stone 15×10
 + 3 ins, 12 ins in the
 ground for Cor. to Secs
 27-28-33+34 marked

District, R 24 E

Chs-

with 3 notches on E &
 1 notch on S edges - &
 raised a mound of stone
 alongside, Pits impracticable
 Sand rolling
 Soil 32 rated
 Good grazing
 Timber scattering juniper

At 89°12' E on a random
 line bet. Secs 27 & 34
 Va 130°56' E

40.00
 80.78

Descend gradually,
 Sit temporary 1/4 Sec Cor.,
 Intersect N of S line 25-
 lbs N of Cor to Secs - 26
 27-34 & 35 - from which
 Cor. I run,
 S. 89°28' W on a true

S. 3 N. R. 24 E

chs-

40.39⁹

line bet. Secs - 27 + 34
 with same ba.
 Set a sand stone 18 x 10 x
 5 - ins 12 ins in the ground
 for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
 in N. face + raised a
 mound of stone alongside
 Pits impracticable

8078

The Cor. to Secs - 27 - 28 - 33 + 34
 found broken + rolling
 soil 2nd rate
 Good grazing

North bet. Secs 27 + 28
 ba 13° 56' E.

40.00

Over rolling ground -
 Set a sand stone 12 x
 10 x 5 - ins 8 ins in the
 ground for $\frac{1}{4}$ Sec Cor

S 13 N. R 24 E

Obs -

marked $\frac{1}{4}$ on the face
 Dug pits $18 \times 18 \times 12$ ins N
 & S of stone $5\frac{1}{2}$ ft. dist.
 & raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside -

51.00 Described rocky bluff -
 40 ft. high bds E & W -

69.00 Cross sag course N 39° W
 & ascend.

80.00 Hit a sand stone $25 \times$
 12×6 ins 18 ins in the
 ground for Cor. to Secs -
 21 - 22 - 27 & 28 marked
 with 2 notches on S
 & 2 notches on E edges
 & raised a mound of
 earth 2 ft. high $4\frac{1}{2}$
 ft. base alongside

S 13 N. R 24 E

lbs.

Bandrolling
Soil 32 ratf
Brushy

N 89° 12' E on a random
line bet. Secs 22 & 27
to a 130° 56' E,

Over rolling ground,

40,000 Set temporary 1/4 Sec Cor.

42,000 Top of spur 46 ft. high
bet N 40° E, & descend,

56,500 Cross sag 12 lbs wide
Course N, & ascend,

80,420 Intersect N + S line
19 lbs S of Cor to Secs
22-23-26 & 27 from
which Cor. I run
S 89° 4' W on true line
bet. Secs 22 & 27 with
same Va.

T 1.3 N. R 24 E

Obs

40.21

Set a sand stone 12×8
 $\times 4$ ins 6 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 + W of stone
 $5\frac{1}{2}$ ft. dist. + raised -
 mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base alongside

80.42

The Cor. to Secs 21-22-27+28
 Sand rolling + broken -
 Soil 2nd + 3rd rate.
 Good grazing

North bet. Secs 21 + 22
 to 13056' E.

Gradual ascent

19.00

Top of hill 20 ft. high
 bet - N 80° E, + descent

S, 3rd N, R 24 E

chs.

- | | |
|-------|--|
| 32.00 | Cross Sag 8 lks wide
Course N.W. + ascend. |
| 40.00 | Set a sand stone 12 x 10 x
5 ins 8 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked
$\frac{1}{4}$ on W face Dig pits
18 x 18 x 12 ins N + S of stone
5 $\frac{1}{2}$ ft. dist, & raised a
mound of earth 1 $\frac{1}{2}$ ft,
high 3 $\frac{1}{2}$ ft. base alongside |
| 80.00 | Set a sand stone 12 x 6 x
4 ins 8 ins in the ground
for Cor. to Secs 15-16-21 &
22 marked with 3
notches on S & E edges
Dig pits 18 x 18 x 12 ins
in each Sec 5 $\frac{1}{2}$ ft,
dist, & raised a mound
of earth 2 ft, high 4 $\frac{1}{2}$ ft,
base alongside |

S 13 N. R 24 E

chs.

Band rolling
 Soil 2nd + 3rd flats,
 Good grazing -

At 89° 12' E on a random
 line bet Secs 15 + 22,
 Va 13° 56' E.

29,10
 40,00
 80,57

Over rolling ground,
 Cross gulch Course N. E.
 Set temporary 1/4 Sec Cor.
 Intersect N + S line 16 lbs
 S of Cor. to Secs - 14 - 15 - 22
 + 23 - from which Cor-
 Draw -

S 89° 51' W on a true
 line bet. Secs 15 + 22
 with same Va -

40,28

Set a sand stone 15 x 13

BOOK 140

S 13 N. R 24 E

chs-

411ms 10ms in the
 ground for $\frac{1}{4}$ Sec Cor,
 marked $\frac{1}{4}$ on N. face
 Dug pits 18x18x12ms
 E + W of stone 5 $\frac{1}{2}$ ft,
 dist, + raised a mound
 of earth 1 $\frac{1}{2}$ ft. high
 3 $\frac{1}{2}$ ft. base alongside -

80.57

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

Landrolling
 Soil 2nd + 3rd rate,
 Good grazing

North bet. Secs 15 + 16

ba 13° 56' E

Gradual ascend.

25.00

Top of hill bet E + W.

40.00

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

S 13 N. R 24 E

Obs.

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

80,00

Set a sand stone 16 x 12
 x 4 ins 12 ins in the ground
 for Cor. to Secs - 9-10 of 15+16
 marked with 4 notches
 on S & 3 notches on E
 edges - Dug pits 18 x 18 x 12
 ins in each Sec $5\frac{1}{2}$ ft.
 dist. & raised a mound
 of earth 2 ft. high $4\frac{1}{2}$ ft.
 base alongside -
 sand rolling
 soil @ rate

T 13 N. R 24 E

Obs -

Trimeter scattering juniper

N 89° 12' E on a random line
bet. Secs 10 + 15
va 15° 56' E.

ascend.

37.00 Top of spur 30 ft. high
hrs N. E.

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

80.63 Intersect N & S line
15 lbs N of Cor. to Secs -
10 - 11 - 14 + 15 - from which
Cor. I run

S 89° 18' W on a true line bet,
Secs 10 + 15 with same va.

40.31 Set a sand stone 15 x 12 x 9
ins 10 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ on all
face. Dug pits 18 x 18 x 12

BOOK 140

D. S. N. R 24 E.

Chs-

12 mis E + W of stone $5\frac{1}{2}$ ft.
 dist. & raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base around post

80,63

1/4 Sec. Cor. to Secs. 9-10-15+16

Band rolling

Soil 2 → + 32 ft

Good grazing

North bet. Secs 9 + 10

to 13° 54' E.

Over open rolling prairie

22,00

Cross Wagon road bet $\frac{1}{4}$ 20° W.

40,00

Set a post 3 ft. long &
 12 mis sq. with marked stone
 12 mis in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ Sec
 W face Dig pits 18 x 18 x
 12 mis N. & S. of post $5\frac{1}{2}$

S 13 N. R 24 E

chs -

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

80.00

Set a sand stone 18x12x4 ins 12 ins in the ground for cor. to bees - 3-4-9-10 marked with 5 notches on S & 3 notches on E edges

Dug pits - 18x18x12 ins for each bee 5 1/2 ft. dist. & raised a mound of earth 2 ft. high 4 1/2 ft. base alongside -

Band rolling
Soil 32 rate

Good grazing
A few scattered juniper

N 89° 12' E on a random line bet. bees 3+10

S 13 N. R 24 E

Chs -

	ba 13° 54' E, Gradual descent.
25.00	Cross Sag hcs N. E.
40.00	Set temporary $\frac{1}{4}$ Sec Cor.
70.00	Top of spur 20 ft. high hcs N. E.
80.60	Intersect N & S line - 12 lbs N of Cor. to Secs - 2-3-10 & 11 from which Cor - I run S 89° 17' W on a true line bet Secs 3 & 10.
	ba 13° 54' E.
40.50	Set a post 3 ft. long 3 ins sq. with marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S on N. face. Dug pits - 18 x 18 x 12 ^{ins} E & W of post 5 $\frac{1}{2}$ ft. dist. & railed a mound

S 13 N. R 24 E

chs -

80.60 of earth 1 1/2 ft. high 3 1/2 ft base around post.
 She Cor. to Secs 3-4-9+10
 Land rolling
 Soil 3^d rated
 Good grazing

North on a random line bet.
 Secs 3 + 4 -

to 13054 E

20.00 @ over rolling land -
 40.00 Top of hill 2 ft. high bet E + W
 79.80 Set temporary 1/4 She Cor.
 Intersect N. By of Sp -
 1.5-3 chs. W. of Cor. to Secs -
 3-4-33+34. which is a
 post set firmly in a
 mound of earth.

S 10 N. R 24 E

Obs -

properly marked & notched
& with pits in each Sec $5\frac{1}{2}$
ft. dist. -

from which Cor. I run
66' W on a true line bet.
Secs - 3 & 4. with same ba.

39.80

Set a lava stone $12 \times 8 \times$
 8 ins 8 ins in the ground
for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$
in W. face. Dig pits 18×18
 $\times 12$ ins N & S of stone $5\frac{1}{2}$ ft.
dist. & raised a mound
of earth $1\frac{1}{2}$ ft. ^{high} $3\frac{1}{2}$ ft -
base alongside -

79.80

The Cor. to Secs 3-4-9 & 10

Land rolling

Soil 3^d rath.

Good grazing.

Timber scattered juniper

I carefully examined

S 13 N. R 24 E

Obs -

the adjustment of my solar
Compasses to day, particularly
the latitude & reversing
apparatus & found them
correct,

Aug 24th 1882

From the Cor. to Secs -
4-5-32433 on S. By of T₁
which is a - lime stone
12x12 ins set firmly
in the ground - properly
~~marked & marked~~
with mounds of stone
alongside -

Thence I run North by
Secs 32433

to a 13058' E

BOOK 140
 S 13 N, R 24 E

Chs.

	Over flat hrs N. W
6,00	Ascend
26,00	Top of hill 60 ft. high hrs N. W + descend,
40,00	Set a sand stone $10 \times 8 \times 3$ ms 6 ms in the ground for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on W face. Dig pits $18 \times 18 \times$ 12 hrs N + S of stone $5\frac{1}{2}$ ft. diam. & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side -
58,00	Cross Sag Curve N 20° E,
80,00	Set a sand stone $12 \times 9 \times 6$ ms 8 ms in the ground for Cor. to Secs - 28 & 29 - 32 & 33 marked with 4 notches on E + 1 notch on S edges & raised a mound of stone along side, Pits impracticable

BOOK 140

T 13 N. R 24 E

Chas -

Band rolling
Soil 2nd & 3rd Gate
Timber scattering juniper

N 89° 12' E on a random
line bet. Secs - 28 & 33

va 130° 57' E

Gradual descent.

40.00

Set temporary 1/4 Sec Cor.

47.90

Cross wash course N. E.

80.37

Intersect N & S line 7 lbs
N of Cor. to Secs - 27-28-33
& 34 from which Cor. I
run

N 89.15' W on a true line
bet. Secs - 28 & 33. with
same va

40.18

Set a sand stone 12 x 8 x
3 ins 8 ins in the ground

T 13 N. R 24 E

Obs -

for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
on N. face & raised a mound
of stone alongside, pits
unpracticable.

80,37

The Cor. to Secs - 28 - 29 -
32 & 33 -

Band broken & rolling -
Soil 3^d rate.

Good grazing

North bet. Secs 28 & 29
to 13058' E.

Over rolling land -

4,000

Set a sand stone 10 x 8 x
6 ins 6 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
on W face. Dig pits
18 x 18 x 12 ins N & S of stone
5 $\frac{1}{2}$ ft. dia. & raised a

BOOK 140

T-13 N. R 24 E

Obs -

80,000

mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base alongside
 but a sand stone 12
 $\times 8 \times 6$ ins & ins in the
 ground for Cor. to Decs
 20-21-28 & 29, marked
 with 2 notches on S &
 4 notches on E edges -
 & raised a mound of
 stone alongside, Pits
 unreachible -
 sand rolling
 soil 3rd rate
 good grazing
 timber scattering timber

N 89° 12' E on a random
 line bet. Decs 21 & 28
 to 15° 58' E

S 13 N. R 24 E

Chs

Gradual descent

- 33.00 Crossed by 7.00 chs-wide
course of N. E. ascend
- 40.00 Set temporary $\frac{1}{4}$ Sec Cor.
- 49.00 Enter timber thro N 20° E
- 53.00 Leave timber thro N 20° E
- 80.70 Intersect N + S line
36 lbs N of Cor. to Secs
21-22-27 + 28 from which
Cor. I run -
- S 89. 27' W on a true
line bet. Secs 21 + 28
with same ba -
- 40.35 Set a sand stone 20 x
14 x 5- ins 15- ins in the
ground for $\frac{1}{4}$ Sec Cor.
marked $\frac{1}{4}$ on N. face
& raised a mound of
stone alongside pits
unpracticable

BOOK 140

513 N. R 4 E

obs -

80.70 The Cor. to Secs 20-21-28
+ 29

Handrolling
Soil 32 rats.

Good grazing
Timber ~~Scattering~~ Juniper

North bet. Secs 20 & 21 -

to 13057' E.

Descend.

40000

Set a sand stone 10x6
x 3 ins 6 ins in the
ground for 1/4 Sec Cor.
Marked 1/4 on W face
Dug pits 18x12
ins N + S of stone 5 1/2
ft. dist. & raised a mound
of earth 1 1/2 ft. high 3 1/2
ft. base along side

T 13 N, R 24 E

Chas.

- 5-3.00 Cross Sag Curve N. E.
- 67.50 Top of spur 20 ft. high
brs N E.
- 80.00 Set a sand stone 12 x
8 x 4 ins 8 ins in the
ground for Cor. to Sec
16-17-20 & 21 marked
with 3 notches on S
& 4 notches on E edges
Dug pits 18 x 18 x 12 ins
in each Sec 5 1/2 ft.
diam. & raised a mound
of earth 2 ft. high 4 1/2
ft. base along side -
Sand rolling
Soil 3rd rated
Good grazing
Timber scattering
Juniper

T 13 N. R 24 E

Chs-

N 89° 12' E on a random
line bet. Secs 16 + 21
Va 15° 56' E.

Over rolling land -

40.00

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

47.00

Top of low hill hrs N + S

80.5-4

Intersect N + S line

16 lbs S of Cor. to Secs-

15-16-21 + 22 from

which Cor. I then

S 89° 5' W on a true line

bet. Secs- 16 + 21 with

same Va.

40.27

Set a sand stone 10 x

8 x 8 ins 6 ins in the ground

for $\frac{1}{4}$ Sec Cor. marked

$\frac{1}{4}$ on N. face, Dug pits

18 x 15 x 12 ins E + S of

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

raised a mound of

BOOK 140

S 15 N, R 24 E

chs -

80,5-4 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base alongside -
See Cor. to Secs -

16-17-20+21-

Sand rolling

Soil 3^d rate

Good grazing

Timber hatching juniper -

North bet. Secs 16 + 17

to 13° 59' E.

Descend,

25,00

Cross Sag Course N E +
ascend,

35,00

Top of hill 10 ft. high bet
over S.W. + descend

40,00

Set a sand stone 12 x 10
x 5 ins & ins in the
ground for $\frac{1}{4}$ Sec Cor

Dist. R₂ & E. & S. R_W.

chs -

marked $\frac{1}{4}$ on W face -
 Dug pits $18 \times 18 \times 12$ ins
 N & S of stone $5\frac{1}{2}$ ft. dial.
 & raised a mound of earth
 $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base -
 alongside -

80.00 Set a sand stone $14 \times 10 \times$
 6 ins 8 ins in the ground
 for Cor. to Secs - 8 & 9 - 16×17
 marked with 4 notches
 on S & E edges. Dug pits
 $18 \times 18 \times 12$ ins in each
 Sec $5\frac{1}{2}$ ft. dial. & raised a
 mound of earth $2\frac{1}{2}$ ft.
 high $4\frac{1}{2}$ ft. base alongside
 Sand rolling
 Soil 3^d rate
 Good grazing
 - A few scattering junipers -

BOOK 140
T 13 N. R 24 E

Obs -

N 89° 12' E on a random
line bet. Secs 9 & 16

to a 1305-7' E.

Over rolling ground -

40.00

Set temporary 1/4 Sec Cor

48.00

Crossing hrs N. E.

80.76

Intersect N & S line
8 lbs S of Cor to Secs.
9-10-15 & 16 from which
Cor. Drawn

S 89° 09' W on a true
line bet. Secs 9 & 16 with
same to.

40.38

Set a sand stone 10 x
8 x 4 ins 6 ins in the
ground for 1/4 Sec Cor.
Marked 1/4 on N face
Dug pits 18 x 18 x 12 ins
E & W of stone 5 1/2 ft.
diam. & raised a mound

BOOK 140

S. 3 Cr. R 24 E

Chs

80,76

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside
 The Cor. to Secs. 8-9-16+17
 Band rolling
 Soil 3 @ rate
 Good grading

North bet. Secs 8 & 9,
 to a 13058' E.

20,000

Ascend
 Top of hill bet N. E. 30 ft.
 high & descend,

40,000

Set a post 3 ft. long 4
 ins sq with marked stone
 12 ins in the ground for $\frac{1}{4}$
 Sec Cor. marked $\frac{1}{4}$ South
 face, Dug pits 18x18x12
 ins N & S of post $5\frac{1}{2}$
 ft. dia., & raised a mound of

BOOK 140

T 13 N. R 24 E

Chs -

41,95-

earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post -
Cross Snow-flake road
hrs E + W -

80,000

Set a post 4 ft. long
4 ms sq. with marked
stone 12 ms in the ground
for Cor. to Secs - 4-5-8-9,
marked - T 13 N. S 40th E.
R 24 E. S 9 on S. E,
S 8 on S. W &
S 5 on N. W faces with
5 notches on S & 4 notches
on E edges -

Dug pits $18 \times 18 \times 12$
ms in each Sec $5\frac{1}{2}$
ft. dia., & raised a mound
of earth 2 ft. high $4\frac{1}{2}$
ft. base around post

T 13 N. R 2 ~~4~~ E

Obs -

Sand rolling
 Soil 2nd & 3rd feet
 Good grazing
 Timber scattered juniper -

N 89° 12' E on a random
 line bet. Secs 4 & 9.

to a 1305-7' E

Ascend gradually.

28,00

Top of hill 20 ft. high has

N. E. & descend gradually

40,00

Set temporary 1/4 Sec Cor.

80,68

Intersect W. line 28

lbs N. of Cor. to Secs -

3-4-9 & 10 from which

Cor. I run -

S 89° 24' W on a true line

bet. Secs 4 & 9 with

same Va -

BOOK 1⁴⁰

S. J. R. R. 24 E

Chs.

40,34

Set a sand stone 12 x
10 x 8 ins 8 ins in the
ground for 1/4 Sec Cor.
marked 1/4 on N. face
Dug pits 18 x 18 x 12 ins
E + W of stone 5 1/2 ft -
diam. + raised a mound
of earth 1 1/2 ft. high 3 1/2
ft. base alongside -

8068

The Cor. to Secs - 4-5-8+9
Band rolling
Soil 3rd rate,
Good grazing
Timber weathering finer

North on a random line
bet. Secs 4+5-

ba 100 5-7.2

S 13 N 1 R 2 ~~2~~

chs.

Gradual descent -

- 21,00 Cross Sag hrs N. E.
 40,00 Set temporary $\frac{1}{4}$ Sec Cor.
 40,45 Cross road hrs N 60° E.
 65,00 Top of hill 60 ft. high hrs
 N. E. & descend.

- 79.69 Intersect N. By of 5/8
 2.04 chs W of Cor. to Secs
 4-5-32 & 33 which is a
 post set firmly in a mound
 of earth - properly marked
 & notched & with pits
 in each sec $5\frac{1}{2}$ ft. dist.

From which Cor. I run
 S 1° 27' W on a true line
 bet. Secs - 4 & 5 with same ba.

- 39.69 Set a post 3 ft. long
 3 ins sq, with marked

S. 3 N. R. 24 E

Obs.

stone 12 ins in the
ground for $\frac{1}{4}$ Sec Cor-
fu arbed $\frac{1}{4}$ S on W
face. Dug pits 18x18x
12 ins N+W of post $5\frac{1}{2}$
ft. dia. & raised a mound
of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around
post

79.69

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

Soil 2 nd + 3 rd rate

Good grazing -

Timber scattering juniper -

I carefully examined the
adjustment of my Solar
Compass to day particularly
the latitude & releveling
apparatus & found them
correct, Aug 25 1882

Block 140

T 13 N, R 24 E

Chas,

From the Cor to Secs
 5-6-31+32 on S. By of Tp
 which is a post set
 firmly in a mound of earth
 properly marked + watched
 + with pits in each
 Sec 5 1/2 ft. disk.

Thence I run North by
 Secs 31+32,

To a 13° 59' E.

Over rolling ground,

40.00

Set a sandstone 12 x 10 x
 3 ins 8 ins in the ground
 for 1/4 Sec Cor. marked
 1/4 on W. face, Dug pits
 18 x 18 x 12 ins N + S of stone
 5 1/2 ft. disk. + raised a mound
 of earth 1 1/2 ft. high 3 1/2 ft.
 base along side

9/12

BOOK 140
5 13 N. R 24 E

Chs.

60.00	Cross bag 10 chs wide Course N 72° E + accend
80.00	Set a sand stone 14 x 10 x 6 ins 8 ins in the ground for Cor. to Secs - 29-30-31 & 32 marked with 1 notch on S & 5 - notches on E edges Dug pits 18 x 18 x 12 ins in back Sec 5 1/2 ft. dia. & raised a mound of earth 2 ft. high 4 1/2 ft. base along side band rolling soil 3 @ rate Good grazing Timber scattering juniper

N 89° 12' E on a random

S. 3 N. R 24 E

Chs

line bet. Secs 29 + 32
 Va 15057' E.

Descend.

12,00 Cross Sag hrs N. E + ascend

22,00 Top of hill 55 ft high
 hrs N. E + descend gradually
 over rolling ground

40,00 Set temporary $\frac{1}{4}$ Sec Cor.

80,63 Intersect N + S line

14 lbs S of Cor. to Secs -

28 - 29 - 32 + 33 from which
 Cor. Run -

S 89° 6' W on a true line
 bet. Secs 29 + 32 with
 same Va -

4031 Set a sand stone 14 x

10 x 5 - ins 8 ins in the
 ground for $\frac{1}{4}$ Sec Cor.
 Squared $\frac{1}{4}$ in $\frac{1}{4}$ face

74

B10K 140
S 13 Cr. R 24 E

Chs.

80.63

Dug pits 18 x 18 x 12 ins
 E + W of stone 5 1/2 ft.
 dist. & raised a mound of
 earth 1 1/2 ft. high 3 1/2
 ft. base along side -
 The Cor. to Secs 29-30-31-32
 Land rolling
 Soil 2nd & 3rd fate
 Good grazing -

S 890 12' W on a random
 line bet. Secs - 30 + 31
 to 1305-8'E

Gradual descent.

12.00

Cross Sag course N 18° E

40.00

Set temporary 1/4 Sec Cor

82.89

Intersect W. By of Sp.
 16 lbs S of Cor. to Secs.
 25-30-31 + 36 which is a

BOOK 140

T 13 N. R 24 E

Chs.

post set firmly in a mound of earth, properly marked & notched & with pins in each sec 5 1/2 ft. dist.



From which Cor. Inm N 89° 19' E on a true line bet. Secs 30 & 31 with same Va.

42.89

Set a sand stone 12 x 8 x 5 - ins 8 ins in the ground for 1/4 Sec Cor. marked on N. face. Dig pits 18 x 18 x 12 ins E & W of stone 5 1/2 ft. dist & raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side

82.89

The Cor. to Secs 29 - 30 - 31 & 32

BOOK 140

S 13 N. R 24 E

the

Band rolling
 Soil 3^d rate
 Good grazing -
 Timber scattering juniper

Mouth bel. Sec 29 + 30
 to 130 58' E,

Over flat ground -

40,00

Set a band stone 12 x 10

x 5 - ins 8 ins in the

ground for $\frac{1}{4}$ Sec cor -

marked $\frac{1}{4}$ on W face

Dug pits 18 x 18 x 12 ins

N + S of stone 5 $\frac{1}{2}$ ft.

dist. & raised a mound

of earth $1\frac{1}{2}$ ft. high 3 $\frac{1}{2}$

ft. base alongside

58,00

Cross day hrs E + W

T, 3 N, R 24 E

Obs

80.00 Set a sand stone 24 x
 15 x 5 ins 1.8 ins in the
 ground for Cor. to Secs.
 19-20-29+30 marked
 with 2 notches on S &
 5 notches on E edges -
 + raised a mound of
 stone alongside, Pitt
 impracticable -
 Band rolling
 Soil 2nd rate,
 Good grazing -
 Timber feathering juniper

N 89° 12' E on a random
 line bet. Secs 20 + 29
 to 1305-8' E
 Over rolling land -

T 13 N. R 24 E

Obs.

- 40.00 Set temporary $\frac{1}{4}$ Sec Cor.
- 53.00 Top of spur 25 ft. high bet
N E & descend
- 67.00 Cross sag 15-lbs wide Course
N. E. Ascend -
- 80.42 Intersect N + S line -
8 lbs S of Cor. to Secs -
20 - 21 - 28 + 29 from which
Cor. Draw -
S 89° 09' W on a true line
bet. Secs 20 + 29, with
same ba.
- 40.21 Set a sand stone 10 x 8 x
3 ins 6 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 $\frac{1}{2}$ ft. dist.
E + W of stone and
raised a mound of earth
1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base

S 13 N. R 24 E

Chs.

80.42 along side -
 The Cor. to Secs. 19-20-29+30
 band rolling -
 Soil 3^d rated
 Good grazing

S 89.012' W on a random
 line bet. Secs 19+30
 Va 13059' E.

40.00 Over rolling ground -
 Set temporary $\frac{1}{4}$ Sec Cor.
 83.34 Intersect W. By of Sp -
 15' block of Cor to Secs - 19
 -24-25+30 which is a
 post set firmly in a
 mound of earth properly
 marked & notched & with
 pits in each Sec
 5 $\frac{1}{2}$ f K. disk. -

S 13 N. R 24 E

Obs

From which cor. Iron
 N 89° 5' E on a true line
 bet. Secs 19 & 20 - with
 same ba.

43.34 Set a sand stone $12 \times 10 \times$
 4 ins 8 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 & W of
 post $5\frac{1}{2}$ ft. dia. &
 raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside -

83.34 The cor. to Secs. 19-20-29
 + 30 -

Land rolling
 Soil 2nd rate

Good grazing
 Timber - a few statters
 Juniper

S 13 N. R 24 E

chs

North bet. Secs 19 + 20 -
to a 13° 5-8' E.

Ascend.

19.00 Top of hill 70 ft. high bet
N 20° E + descend.27.00 Cross sag 15 chs wide
Course N 80° E40.00 Set a sand stone 16 x 14
x 5 ins 12 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
on W. face, Dig pits 18
x 18 x 12 ins N + S of stone
5 $\frac{1}{2}$ ft. dia. + raised a
mound of earth 1 $\frac{1}{2}$ ft
high 3 $\frac{1}{2}$ ft. base alongside80.00 Set a sand stone 15 x 9
x 4 ins 10 ins in the
ground for Cor. to Secs
17-18-19 + 20 marked
with 3 notches and

S 13 N. R 24 E

Cha.

and 5 notches 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 along side -
 Hand rolling -
 Soil 3^d rate -
 Timber scattering pinper -

At 890 12' E on a random
 line bet. Secs 17 + 20

to 13057' E.

Over rolling ground -
 set temporary 1/4 Sec Cor.
 Intersect N of A line 27
 lbs N of Cor. to Secs -
 16-17-20+21 - from which
 Cor. I run -

40,000

80,39

S 13 N. R 24 E

Obs.

S 89° 24' W on a true line
bet. Secs 17 + 20 with same
va -

40.19

Set a sand stone 12 x 8 x
8 ins 8 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 + W of stone
5 $\frac{1}{2}$ ft. dist. & raised a mound
of earth $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft.
base alongside -

80.39

The Cor to Secs - 17-18-19-20 -
Sand rolling
Soil 3 @ ratf
Good grazing

S 89° 12' W on a random
line bet. Secs 18 + 19
va 13° 57' E

S 13 N, R 24 E

Chs.

24.00

Over rolling ground -
crossed by 8 ft wide
course N. E. + ascend -

28.00

Top of spur - 40 ft. high
hrs - N. E.,

40.00

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

84.13

Intersect Wf By of Sp -

22 lbs N of Cor. to Secs -

13-18-19 & 24 which is a
post set firmly in a mound
of earth properly marked
& with pits in each Sec - $5\frac{1}{2}$
ft. dist.

From which Cor. I run

N $89^{\circ} 3'$ E on a true

line bet. Secs - 18 & 19 -

with same ba -

44.13

Set a sand stone
8 x 6 x 5 ins 4 ins in

S 13 N. R 24 E.

Obs.

the ground for $\frac{1}{4}$ Sec
Cor. I marked $\frac{1}{4}$ on N
face. Dug pits 18x18x12
ins E + W of stone $5\frac{1}{2}$
ft. dia. & raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base alongside -

84.13

The Cor. to Secs 17-18-19 & 20

Band rolling

Soil 3^d rated

Good grazing

North bet. Secs. 17 + 18

ba 13° 58' E.

Gradual descent -

4000

Set a sand stone 12x10
x 8 ins 8 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
on W. face. Dug pits

S 13 N. R 24 E

Chs.

80,00

18 x 18 x 12 ins N + S of stone
 5 1/2 ft. dist. & raised a mound
 of earth 1 1/2 ft. high 3 1/2
 ft. base along side
 Set a sand stone 12 x 8
 x 9 ins 8 ins in the
 ground for Cor. to Sec -
 4 - 8 - 17 & 18 marked
 with 4 notches on S &
 5 notches on E edges -
 Dig pits 18 x 18 x 12 ins
 in each Sec 5 1/2 ft. dist.
 & raised a mound of
 earth 2 ft. high 4 1/2
 ft. base along side
 Sand rolling
 Soil 2nd rate
 Good grazing

BOOK 140

T 13 N. R 24 E

Obs.

N 89° 12' E on a random line bet. Sec 8 + 17.

va 130 58' E

27.00 Top of hill 25 ft. high bet Sec + S.

40.00 Set temporary 1/4 Sec Cor.

80.64 Intersect N + S line 16 lbs S of Cor. to Secs - 8-9 - 16 + 17 from which Cor. I run

S 89° 5' W on a true line bet. Secs 8 + 17

va 130 58' E.

40.32 Set a sand stone 10 x 8 x 4 ins 8 ins in the ground for 1/4 Sec Cor. marked 1/4 on N. face. Dug pits 18 x 18 x 12 ins E + W of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2


BOOK 140

S 13 N, R 24 E

Chs.

80,64

fb. high $3\frac{1}{2}$ ft. base alongside
 The cor. to Secs. 7-8-17 & 18
 Land rolling
 Soil 3' or rather
 Good grazing -



S 89° 12' W on a random
 line bet. Secs. 7 + 18,
 to a 13° 58' E.

Over rolling land -

40,000

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

84,82

Intersect W. By of Sp
 25-lbs S of Cor. to Secs.
 7-12-13 & 18 which is a
 post set firmly in
 mound of earth, properly
 marked & notched and
 with pits in each

T 13 N. R 24 E

che

See $5\frac{1}{2}$ ft. disk.
 From which Cor. I run
 N 89° 25' W on a true
 line bet. sees 7 + 18,
 with same ba.

- 44.82 Set a post 3 ft. long
 4 ins sq. with marker
 above 12 ins in the
 ground for $\frac{1}{4}$ Sec Cor.
 marked $\frac{1}{4}$ S on N. face.
 Dig pits 18 x 18 x 12 ins
 E + W of post $5\frac{1}{2}$ ft.
 disk, & raised a mound
 of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around post
- 84.82 The Cor. to sees 7-8-17 + 18,
 band rolling
 Soil 32 rats
 Good grazing

S. 13 N. R 24 E.

Obs.

North bet. Secs 7 & 8
T₂ 130° 57' E

Gradual ascent.

40.00

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

41.74 Cross Snow flake road
bet E & W.

65.00

Cross top of low hill
& descend

80.00

Set a sand stone 14 x
12 x 8 ins 10 ins in the
ground for Cor. to Secs-

S 13 N. R 24 E

Chs.

5-6-7+8 marked with
 5 notches on E + S edges
 Dry pits 18 x 18 x 12 in
 in each see 5 1/2 ft. dia.
 + raised a mound of earth
 2 ft. high 4 1/2 ft. base
 alongside

Soil rolling

Soil 3 2 notches

Good grazing

Timber a few scattering

Junipers

At 890 12' E on a random
 line bet. sees 5-78

To 13058' E

Gradual ascent

Top of hill 20 ft. high

92

S 13 N. R 24 E

Chs.

- 40.00 At 20° E & descend.
Set temporary 1/4 Sec
Cor.
- 65.00 Cross Sag Course N. E
- 80.42 Intersect N + S line
3 & 4th S of Cor to Secs -
4-5-8 + 9 from which
Cor. - ~~Drawn~~
- 88° 56' W on a true line
bet. Secs - 5 + 8 with same
to a -
- 40.21 Set a post 3 ft. long
3 ins sq 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 + W of post 5 1/2 ft.
dist. & raised a mound
of earth 1 1/2 ft. high

S 13 N. R. 24 E

Chs.

80.42 3 1/2 fl. base around post
 The cor. to Secs - 5 6 - 7 + 8
 Band rolling.
 Soil 3^d rate
 Good grazing

S 89° 12' W on a random
 line bet. Secs 6 + 7.
 to a 13059 E.

Descend.

13.00 Cross road bet 7, E,
 15.00 Cross low Sag bet 7 + 8 E
 40.00 Set temporary 1/4 Sec Cor.
 49.00 Top of hill 50 ft. high bet
 N 25° E,

85.03 Intersect W. By of Sp
 18 lbs N of cor. to Secs -
 1 - 6 - 7 + 12 which is a

T. S. N. R 24 E

Chs.

post set firmly in a mound of earth properly marked + notched + with pits in back approx 5 1/2 ft. dist.

From which Cor. Drum - N 89° 4' E on a true line bet. Secs 6 + 7
va 130° 5' E,

45.03

Set a post 3 ft. long 4 ins sq. with marked stone 12 ins in the ground for 1/4. See Cor 1 marked 1/4 S on N. face. Dig pits 1 x 1 x 12 ins E + W of post 5 1/2 ft. dist. + raised a mound of earth 1/2 ft. high 3 ft. base around post

85.03

The Cor. to Secs - 5 - 6 -

7 - 8.

S 13 N. R 24 E

chs.

Sand rolling -
 Soil 3^d rate -
 Good grazing
 Timber scattered thinifer

Mouth on a random
 line bet. Secs - 5 + 6 -

to a 13° 5' 8" E.

Descend -

24.50 Cross Sag 1.00 ch. wide
course N 15° E.

40.00 Sit temporary 1/4 sec Cor.

62.00 Top of hill 50 ft. high has
N 60° E.

80.13 Intersect N. Bay of Sp.

271 chs W of Cor. to Secs -
5-6-31+32 - which is a
lava stone set firmly
in the ground properly situated

T 13 N, R 24 E

Obs.

and with pits & mounds in each Sec - 5 1/2 ft. dist

From which Cor. Iron. S 105-8' W on a true line bet. Secs 5 & 6 with same va

40,13

Set a sand stone 10x8x4 ins 6 ins in the ground for 1/4 Sec Cor. marked 1/4 on W. face - Dug pits 18x18x12 ins W of stone 5 1/2 ft. dist & raised a mound of earth 1 1/2 ft. ^{high} 3 1/2 ft. base alongside -

80,13

The Cor. to Secs 5-6-7 & 8 sand rolling - Soil 32 rats - Timber scattering juniper

T 13 N. R 24 E

Chs.

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

Aug 25 - 1882

General Description

The land in this Township is generally rolling. The soil is 2nd & 3rd rate.

There is some scattering juniper timber. The grazing is good throughout the Township. There is a road crossing the Township from East to West - Abram Chavey ranch is situated in Sec 14. House barn & about

98

BOOK 140

T 13 N. R 24 E

Chs.

20 acres fenced valued
at about \$5000

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

The foregoing Field Notes of the survey of the

Subdivision lines

of

Township 13 North,

Range 24 East,

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

D. S., under his contract of the 31st day of

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

J. W. Robbins

Surveyor General.