

with
copies
referred

Book No 9.

No-143

Field Notes

OF THE SURVEY OF THE

Subdivision Luis

-OF-

Township *13 1/2* Range *27 E*

Gila and Salt River Base and Meridian

143

ARIZONA.

By *A P Johnson* D.S.

Under contract dated *July 17th* 1882

Survey commenced *Nov 23rd* 1882

Survey completed *Nov 25th* 1882

No-143

18A

BOOK 143

INDEX DIAGRAM.

Township... 13 N.

Range... 27 E.

6	76	5	54	4	40	3	27	2	13	1
75'		74		52		38		25'		12
7	73	8	51	9	37	10	24	11	11	12
71		70		50		26		23		9
18	69	17	49	16	35	15	22	14	8	13
67		66		48		34		21		7
19	64	20	46	21	33	22	20	23	6	24
63		61		46'		32		19		5
30	60	29	44	28	31	27	17	26	3	25
59		57		43		30		16		2
31	58'	32	42	33	28	34	15'	35	1	36

Gila and Salt River, Arizona.

ARIZONA.

BOOK 143
No-143

18

For description of instrument
and preliminary oaths see
Book No. 1.

Survey commenced Nov 23rd 1882
Survey completed Nov 25th 1882

Before proceeding to subdivide
this Sp. I made a change of 21
minutes in the latitude arc of
our solar compass by adding
same to the reading previously
given, and at noon verified and
corrected same by observation on
the sun. We also further tested
instrument by reversing.

T. 13N. R. 27 E G. & S R M

Chc

From the standard cor. to sec's 35th and 36. on the south boundary T.P. reverts, re-establishes by me I.

North between sec's 35th and 36.

by 13° 30' E

Ascend over rolling hills

20.00 Cross wash to N. E

33.00 Lean Scott timber line to N. E ^{and} S. W.

40.00 Set a Flint stone, 12 x 10 x 4 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 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.

~~40.00~~
44.00 Ascend Broken hills

45.00 Top of spur Pass E ^{and} W ^{and} ascend

46.80 A Juniper 10 ins diam

47.00 Enter Rolling prairie

76.00 Cross saguaro ^{the} ridge to N. W

78.50 Cross Camp Apache Road
to N. E ^{and} S. W.

T. 13N. R. 27 E. G. & S. R. M

chs

80.00 Set a *Plumb* stone 18x16x4 ins., 12 ins. in the ground for Cor. to Secs, 25-26 ²⁴³⁶ marked with 1 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high. 4½ ft. base. alongside.

Soils. Rolling ^{and} Shells
Soil; 8th rali
Timber, Scat Juniper.
Vegetation good grass

1189° 05' E. on a random line
lat. sec's 25-²⁴¹³⁶ 36
la 130.56' E

9.57 Cross camp Apache Road
bears S 30' W.

40.00 Set a temporary 1/4 sec cor

77.67 Cross same Road. N 70' W.

80.18 Intersect E Box Sp 17 lbs

T. 13 N. R. 27 E G & S R M

chs

N of cor to sees 25, 30, 31 ^{and 36}
 recently re-established by
 me. Thence I run

S 89° 12' W. on a true line
 bet sees 25 ^{and 36} same as

40.09

Set a Flint stone 18+12+4
 12 ins in the ground for 14 sec
 cor. marked 14 on N face. ^{and}

80.18

raised a mound stone alongside.
 This impracticable ^{and 36}
 To cor to sees 25, 26, 65, ^{and 36}

Land Rolling

Soil, 2nd good soil

Timber None. Good grass

North bet sees 25 ^{and 26}

to 13° 5' 6" E

West slope of hill

1.00

Cross Conato Road bears

N 79° W.

T. 13 N. R. 27 E G & S P M

chs

3.00 Assumed Bluff, near N.W.

13.00 Enter Rolling prairie

40.00 Set a *Shut* stone, 16 x 12 x 4 ins., 11 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. *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.

80.00 Set a *Shut* stone, 12 x 8 x 9 ins, 8 ins. in the ground for Cor, to Secs, 23-24-25², marked with 2 notches on S. and 1 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

Soil; good soil

No Timber.

Vegetation Bunch grass

T. 13 N. R. 27 E G & S R M

cks

N. 89° 05' E on a random line
bet sec's 24^{and} 25

to 13° 57' East

Ascend Gradually

40.00 Set temp 1/4 sec cor

80.28 Intersect E. Ridge Sp. 22 lbs
South of cor to sec's 19-24-25^{and}

30. recently re-established
by me. Thence down

S 88° 56' W on a true line bet
sec's 24^{and} 25 same ca

40.14 Set a Flint-stone, 12 x 8 x 6 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 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.

80.28 To cor to sec's 23-24-25^{and} 26
Sand Rolling
Soil; 2nd sale.

No Timber
vegetation Good grazing

T. 13N. R. 27 E G. & S R M

cho

North lat-secs 23^{and} 24

Ta 13° 57' E

Along N slope over rolling
prairie

40.00

Set a Lava stone, 15 x 10 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. 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.

45.00

Cross ravine to N.W. ^{anywhere}

46.30

Cross Road bears N 30° E

80.00

Set a Lava Stone 12 + 10 + 8 ins
8 ins in the ground for the
cor to sec 13, 14, 23^{and} 24, marked
with 3 notches on S. and 1 notch
on E edges, and raised a
mound stone alongside. Pits
impracticable

T. 13 N. R. 27 E G. & S R M

Chis

Land Rolling
 Soil, 3rd rate
 No Timber
 Vegetation Good grazing

North 89:05' E on a random line
 bet sees 13^{and} 24
 to 13:57' E

Descend

280

Cross Road trans N. 10° W

12.00

Cross Ravine Co NE^{and} ascend

24.70

Top of spur trans NN^{and} descend

40.00

Set temp - 1/4 sec cor

62.00

Enter level Prairie trans NNE.

79.84

Intersect E Boundary Sp.

14 lbs South of cor to sees 13-18

19^{and} 24. reestablished
 by me.

Thence Inm.

T. 13N. R. 27E G. & S R M

chs

S 88° 54' N on a true line bet.
see's 13^{and} 24. same line

39.92 Set a *Lava* stone, 12 x 6 x 6 ins., 9 ins.
in the ground for $\frac{1}{2}$ Sec, Cor, marked $\frac{1}{2}$ on No.
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.

79.84 To cor to see's 13, 14, 28^{and} 24
Sand Rolling
Soil. 8th soil
Vegetation Good Grass

North bet see's 13^{and} 14
to 13° 57' E

6.00 Our level prairie
15.00 Cross over bars E.
Cross say, 100 lbs misc Co
N. E. and over rolling
prairie

T. 13N. R. 27E G & S R M

cho

40.00 Set a Sand stone, $12 \times 8 \times 7$ ins. 8 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.

80.00 Set a Sand stone $14 \times 10 \times 9$ ins, 9 ins. in the ground for Cor, to Secs, 11, 12, $13\frac{3}{4}$ marked with 4 notches on S. and 1 notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft. base. alongside.

Sand Rolling

Soil, 3rd rate

Vegetation Good grass

$N 89^{\circ} 03' E$ on a random line bet. sec's 12^{and} 13.

In $18^{\circ} 07' E$

Descend gradually

T. 13N. R. 27E G & S R M

chs

- 3.50 Cross Road bear N. 65° W.
- 23.00 Enter flat bear N and S.
- 40.00 Set temporary $\frac{1}{4}$ sec cor
- 53.00 Cross sq. Co N. and ascend
- 55.00 Top of spur bear N and S.
and descend
- 79.70 Intersect. E Boundary of
42 chs south of cor to sec
7. 12. 13 and 18. recently reestablished
by me.
- Thence I run
S 88° 47' W on a true line
bet secs 12 and 13. same as
- 39.85 Set a Flint 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 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.
- 79.00 To cor to secs 11, 12, 13 and 14
Sant. Rolling:

T. 13 N. R. 27 E G & S R M

cho

Soil. 2nd val.
No Timber.
Good grazing.

North lot sees 11 ^{and} 12
13. 37' E
Our rolling pair

40.00

Set a Sand stone, 12 x 10 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. 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 Lava stone 18 x 8 x 6 ins., 12 ins. in the ground for Cor, to Secs, 1. 2. 11 ^{and} 12 marked with 5 notches on S. and 1 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.

Sand Rolling

T. 13N. R. 27E G. & S R M

chs

Soil. 3rd run
 300 feet
 Vegetation Good Grass

N. 89° 05' E on a random line
 bet. sees 1 and 12.

to 13° 5' 8" S

- 34.13 Cross Road bears N and S.
- 40.00 Set temp 1/4 sec cor
- 40.50 Cross ranie. to N.
- 76.00 Top of paper pass: N. W. ^{with seen}
- 79.92 Intersect. E. Bisy Sp. 18 lbs
 South of cor to see's 1. 6. 7 ^{and 12}
 recently re-established by me.
 These done.

S 88. 57' N on a true line bet.
 sees 1 and 12 same run

- 89.96 Set a Larn stone, 20 x 10 x 10 ins. 15 ins.
 in the ground for 1/4 Sec, Cor, marked 1/4. on N
 face, dug pits 18 x 18 x 12 ins. S and N

T. 13N. R. 27E G. & S R M

cks-

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.

79.92

To cor to see 1. 2. 11 ^{and 12}
 Sand. Rolling
 Soil, 3rd run
 No Timber.
 Good grazing

North on a random line to see
 1 ^{and} 2.

ca $13^{\circ} 56' E$

Over rolling prairie

28.00

Cross road has N $40^{\circ} W$

79.90

Intersect. N Boring Sp. 18 lbs

rest of cor to see 1. 2-35 ^{and 36}
 newly re-established by me.

Three Iron

S. $1^{\circ} 8' N$. on a true line to
 see's. 1 ^{and} 2. same run

T. 13 N. R. 27 E G & S R M

chs-

3990 Set a *Sawn* stone, $7 \times 9 \times 9$ 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. *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.

7990 To cor to sees' 1, 2, 11 ^{and 12}
Sawn, *Pollung*,
Soil, *3rd run* -
No Iron, *Good grazing*

I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus, and found them correct.

A. P. Johnson

Nov. 25th 1882.

BOOK 143
T. 13N. R. 27 E G. & S R M

chs

From the Standard cor lo
secs 34^{and} 35 on the S. Br of
T¹³ sec 34 re-established
by me. I run
North lat sec 34 ^{and} 35 -
in 18° 30' E

Ascent

- 18.00 Cross Ravine bears S ^{and} W
- 26.00 Top of spur bears S ^{and} W and
Ascent
- 40.00 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ S. on W face, dug pits 18 x 18 x 12
ins. N and S of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. around
post.
- 58.00 Cross Camp Apache Road
bears S W.
- 60.00 Enter flat bears N E.
- 79.90 Cross wash bears N. 20° E
and ascent.

T. 13N. R. 27 E G & S R M

ch

80.00
~~37.75~~

Set a Sand stone 15x2x12 ins, 10 ins. in the ground for Cor, to Secs, 26-27-34^{and} 35 marked with 1 notch on S. and 2 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. alongside.

Sand Rolling.
Soil; 3rd val.
Good grazing.

N 89° 05' E on a random line bet. sec's 26^{and} 35 -
In 15° 30' E.

Descend.

1.15 - Cross wash bet N 15° 8' and ascend.

40.00 Set-terrap 1/4 sec cor

79.88 Intersect N^{and} S line 32
E. south of cor to sec's

BOOK 143
T. 13 N. R. 27 E G & S R M

cks

25-26-35 ^{and 36}

Thence I run

S 88° 31' N. on a true line

bet. sees 26 ^{and} 35 same ea

39,94. Set a Flint stone, 6 x 12 x 6 ins., 11 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.

19,88 To cor to sees 26-27-34 ^{and 35}

Land Rolling
Soil, - good soil
Good grazing

North. bet. sees 26 ^{and} 27

Ea 13° 30' E

Gradually ascend

15,77 Cross Concho Road bears S 88° W20,00 Top of low spur bears S 84° W

T. 13N. R. 27 E G. & S R M

chs

and descend.

28.60 Cross gulch 10 lbs wide
to E and ascend?

40.00 Set a Flint stone, 12 x 10 x 10 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. N and S.
of stone 5 1/2 ft. dist. and raised a mound of earth
1 1/2 ft, high. 3 1/2 ft. base. alongside.

80.00 Set a Lava stone 6 x 10 x 6 ins, 11 ins. in
the ground for Cor, to Secs, 22-23-24 marked
with 2 notches on S. and 2 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. alongside.

Sand rolling
Sail, 2nd rate
• Good grazing

BOOK 143

T. 13 N. R. 27 E G. & S R M

chs

N 89° 15' E on a random line
hit sees 28^{and} 26.

to 13° 56' E

Descend gradually

40.00 Set temp - 1/4 sec cor

60.00 Cross 2nd mark to N^{and}
ascend.

63.30 Cross Road trans N^{and} 8.

80.02 Intersect N^{and} 8 line
14 lbs S of cor to sees 23-24-25-
and 26. Thence I run

S. 88° 59' N on a true line
hit sees 25^{and} 26 - same as

40.00 Set a lava stone, 16 x 10 x 5 ins., 11 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 N
of stone 5 1/2 ft. dist. and raised a mound of earth
1 1/2 ft, high. 3 1/2 ft. base. alongside.

80.02 To cor to sees 22-23-26^{and}
27.

T.13N. R 27 E G. & S R M

chs

Sand rolling
Soil, low run
Good grazing

North lot sec 22 ^{and 23}
In 13:56'8"

Asses gradually

40.00

Set a Sand stone, 10 x 10 x 10 ins., 7 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 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 low spur has E
and W ^{and} descends.

65.00

Entire flat has N. E.

80.00

Set a Sand stone 8 x 10 x ins, 12 ins. in
the ground for Cor, to Secs, 14, 15, 22 ²³ marked
with ∞ notches on S. and Σ notches 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.

BOOK 143
T. 13N. R. 27E G. & S. R. M

chi

4 1/2 ft base alongside.
Sand Rolling
Soil, 2nd run
Good grazing

N 89° 03' E on a random line
Set see's 14 ^{Aug} 23.
See 13: 5 1/2' E

Descend

40.00 Set temp 114 see cor

67.00 Cross wash 15 lbs mid E Co
N 20° E ^{Aug} ascend

79.92 Intersect ^{Aug} S line 6 lbs
So far 2 see's 13, 14, 23. ^{Aug 24}
Three I run

S 89° 03' N on a true line
Set see's 14 ^{Aug} 23. same as

39.97 Set a sand stone, 12 x 9 x 9 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 and W

BOOK 143

T. 13 N. R. 27 E G & S R M

chs

of stone 5 1/2 ft. dist. and raised a mound of earth
1 1/2 ft. high. 3 1/2 ft. base. alongside.

79.92 To cor to see's 14. 15. 22 ^{and 23}
Saw Roccia
Soil, 3rd rate
Good grazing.

North to see's 14 ^{and} 15 -
To 13: 57' 8"
Curr say.

2.50 Saw say to N 70° E and
ascend gradually.

34.00 Top low spur to N 60° E
and descend gradually.

40.00 Set a Lava stone, 16 x 10 ins., 11 ins.
in the ground for 1/4 Sec, Cor, marked 1/4. on N
face, dug pits 18 x 18 x 12 ins. N and S.
of stone 5 1/2 ft. dist. and raised a mound of earth
1 1/2 ft. high. 3 1/2 ft. base. alongside.

BOOK 143
T. 13N. R. 27 E G. & S R M

Ch:

80.00

Set a sand stone $6x12x10$ ins, 11 ins. in the ground for Cor, to Secs, 10, 11, 14²/₅ marked with 4 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft, high. 4½ ft. base. alongside.

Sand Rolling
Soil. 5th sec.
Good grazing.

N 89° 05' E on a random line
bt. sec's 11 and 14.

to 15° 57' E

Gradually ascend.

35.00

Top of spur base N 10° E and descend gradually.

40.00

Set temp - 14 sec cor

79.90

Intersect N and S line 18
lbs N of cor to sec's 11.12.

T. 13N. R. 27E G & S R M

Chs:

13^{and} 14, Thence Iron
 589:13' W on a true line
 let see's 11^{and} 14 same way

39.95 Set a Lava stone, 18 x 12 x 4 ins. 12 ins.
 in the ground for $\frac{1}{4}$ Sec, Cor, mark $1\frac{1}{4}$. 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.

79.90 Top cor to see's 10, 11, 14^{and} 15
 Land. Rolling
 Soil, and well
 Good grazing

North let-see's 10^{and} 11

to 15: 5' 7" E

Decreases gradually over
 high rolling prairie
 country, sloping N.E.

36.00 Cross Road bear N.E. ^{and} S W

BOOK 143
T. 13 N. R. 27 E G & S R M

chs

40.00 Set a *Lava* stone, 13 x 10 x 8 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* 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 *Lava* stone, 8 x 13 x 8 ins., 12 ins. in the ground for Cor, to Secs, 2. 3. 10^{and 11} marked with 5-notch on *S*. and 2 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.

Lava Rollins
Soil, 3rd rate
Good grazing

$789^{\circ}.05' L$ on a random line
bet sees 2^{and 11}

In $13^{\circ}.56' L$

Gradually ascending

T. 13N. R. 27E G. & S R M

chs

- 25.00 Top of hill 20 ft high
and descend. (has N ^{and S.})
- 32.85 Cross Road has N 25° E.
- 40.00 Set temp 114 sec cor
- 80.24 Intersect N ^{and S} line
16 lbs of cor to sees 1, 2, 11 ^{and 12}
Thence I run
S 88° 58' W on a true line to
sees 2 ^{and 11}. same sa.
- 40.12 Set a Lava stone, 13 x 10 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. S and W
of stone 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth
1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. alongside.
- 80.24 To cor to sees 2, 3, 10 ^{and 11}
Lava. Rolling
Soil, and same
Good grazing.

BOOK 143
T. 13N. R. 27E G & S R M

Chs

North on a random line bet.
secs 2 ^{and} 3.

In 15° 5' 7" E

Gradual descent

40.00

Set temp 1/4 sec cor

80.26

Intersect N Biny Sp'

46 lbs west of cor to sec's 2.

3.34 ^{and} 35. recently re-

established by me.

Thenar & run.

S. 0° 20' N on a true line

bet secs 2 ^{and} 3. same run

40.26

Set a Sandstone, 12 x 12 x 12 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. N and S

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

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

80.26

To cor to sec's 2, 3. 10 ^{and} 11

Sand Rolling

Sail, 80 rods
good ground

BOOK 43
T. 13 N. R. 27 E G & S R M

cho'

Good grazing
G. M. Carson Comptroller
No 23rd 1882

From the Standard cor to
secs 33 and 34 on the S B line
Sp. recently re-established
by me.

I run
North lat. sec's 33 and 34
in 13.30' E

Ascend'

15.00 Lava scall Juniper timber
has N.E.

40.00 Set a Lava stone, 26 x 15 x 5 ins., 19 ins.
in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$ on N
face, dug pits 18 x 18 x 12 ins. N and S
of stone 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth
1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base. alongside.

BOOK 143
T. 13 N. R. 27 E G & S R M

chs

- 44.00 Top of low spur base $\text{S}^{\text{and W}}$
and ascend.
- 33.00 Cross sag 50 lbs mid, to 80°E
and ascend.
- 80.00 Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
27. 28. 33 ³⁴ marked T. 13 N S. 27 on
N. E. R. 27 E S. 34 on S. E, S, 33 on
S, W, and S, 28 on N, W, face, with 1 notch
on S, and 3 notches on E. edges, dug
pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.
and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft.
base. around post.

Sand Rolling
Soil 2nd rate.
Good grazing.

BOOK 143

T. 13N. R. 27E G. & S R M

chs-

$N 89^{\circ} 15' E$ on a random line
at see's 27 ^{and} 34.

$S 13^{\circ} 5' E$

Ascend over low spur
have N ^{and} S .

4.00 Cross track to Sand ascend

20.00 Top of spur, cross N ^{and} Sand
ascend.

24.50 Cross track to Sand ascend

40.00 Set trip 1/4 sec cor.

65.00 Enter flat have N ^{and} S .

79.60 Interest N ^{and} S line

11 lbs Sofcor to see's 2627

34 ^{and} 35. Thence I run

$S 89^{\circ} 00' N$ on a true line

at see's 27 ^{and} 34, same as

39.80 Set a Sand stone, $18 \times 10 \times 6$ 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 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.

T. 13 N. R. 27 E G. & S R M

chs

79.00 To cor to sec's 27-28. 88 ^{and 34}
 Lands. Rolling.
 Soil, 5th run.
 Good grazing.

North of sec's 27 ^{and 28}
 to 13° 3' 6" E

26.00 Gradually ascending E slope
 cross Caneho Road cross
 E and W.

40.00 Set a Lava stone, 10 x 8 x 8 ins., 7 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 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 75-ft above last sec cor
 Set a Lava stone 2x1x8 ins, 8 ins. in
 the ground for Cor, to Secs, 21, 22-27 ^{and 28} marked
 with 2 notches on S. and 3 notches on E. edges,
 dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft.

BOOK 143

T. 13N. R. 27E G & S R M

chs.

dist. and raised a mound of earth 2 ft. high.
4 1/2 ft. base. alongside.

Land rolling
Soil on water
Good grazing

N 89° 05' E on a random line
bet sees 22 and 27.

to 13° 56' E

Gradual ascent

- 40.00 bet temp 114 see cor
- 50.00 Top of low spur bars N and S
and descend
- 79.46 Intersect N and S line 42
lbs N of cor to sees 22, 23
26 and 27. Thence down
S 89° 38' N. on a true line
bet sees 22 and 27. same cor

T. 13N. R. 27 E G & S R M

shs

39.73

Set a *Lava* stone, 10 x 9 x 6 ins., 7 ins. in the ground for $\frac{1}{4}$ Sec, Cor, marked $\frac{1}{4}$. on ~~or~~ 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.

79.46

To cor to sees 21, 22, 27^{and} 28
Lava. Rolling
 Soil; 3rd rate
 Good grazing

North lat sees 21^{and} 22
 In 130. S of E

Over rolling country

40.00

Set a *Lava* stone, 10 x 10 x 6 ins., 7 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 and E, 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 *Lava* stone 10 x 8 x 8 ins., 7 ins. in the ground for Cor, to Secs, 15, 16, 27^{and} 28, marked with 3 notches on S. and 3 notch 20 on E. edges,

T. 13 N. R. 27 E G & S R M

chs

dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft, high. 4½ ft. base. alongside.

Lined Rolling
Soil. 3rd rate.
Good grazing

N 89° 15' E on a random line
bet sees 15^{and} 22.

to 13° 5' 9" E

Descend gradually.

10.00 Entire flat has N^{and} S'

40.00 Set- temp 1/4 sec cor.

45.00 Top of low spur has N E
and S N^{and} Descend.

79.70 Intersect. N^{and} S line. 2 3/4

N of cor to sees 14, 15, 22^{and} 23

Thence I run

S 89° 16' N on a true line

BOOK 143
T. 13N. R. 27E G & S R M

cts

- bet sees 15^{Aug 22}, same ea
- 39.85- Set a Sand' stone, 18 x 14 x 4 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. 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.
- 79.70 To cor to sees 15, 16, 21^{Aug 22},
Sant. Rolling
Soil, 8th rule
Good grazing
-
- North bet sees 15^{Aug 16}
Ea 13° 55' E
- Descent'
- 5.80 Cross flat 30 lbs with 60
N 80° E and ascent'
- 9.75 Cross Road has N 60° E.
- 40.00 Set a Silint stone, 15 x 12 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. N and S.

T. 13N. R. 27E G & S R M

chs

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 Sand stone 5×6 ins, 10 ins. in
 the ground for Cor. to Secs, 9-10-15 ¹⁴ marked
 with 4 notches on S. and 3 notches 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.

Sand. Rolling
 Soil. 3rd rate.
 Poor Grazing.

$189^{\circ} 03' E$ on a random line
 bet. Secs. 10 and 15.

to $13^{\circ} 57' E$

Over rolling country sloping
 North.

40.00 Set temp - 14 sec cor

57.00 Cross Road bet. Secs N. & S.

T. 13N. R. 27 E G & S R M

Chs-

80.10 Intersect N^{and} S line 4 lks
 N of cor to see's 10, 11, 14^{and} 15 -
 Thence S run
 S 89.07' N. on true line bet
 see's 10^{and} 15 same rd

40.03 Set a Sand stone, 9 x 9 x 9 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. E and W
 of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. alongside.

80.10 To cor to see's 15, 16, 21^{and} 22
 Sand Rolling
 Soil; 2nd val.
 Good grass

North bet see's 9^{and} 10
 to 120.50' E
 Descend gradually.

40.00 Set a Lava stone, 10 x 8 x 8 ins., 7 ins.

T. 13N. R. 27 E G & S R M

chs.

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

75.00 Cross Road runs N. E. ^{and} S. W.

80.00 Set a sandstone. 20 + 12 + 12 in
18 in in the ground for the
cor to sec's 3. 4 9 ^{and} 10. marked
with 5 notches on S. and 3 notches
on E edges and raised a
mound of stone alongside.
The ^{impalpable} rolling
Soil, 2nd rate
Good grazing.

N 89° 05' E on a random
line 4 trees. 3 ^{and} 10.

to 13. 56' E

Our rolling prairie

39

BOOK 143

T. 13 N. R. 27 E G & S R M

Chs

- 3.55 Cross road bears $N. 40^{\circ} E$
- 17.00 Enter flat bears $N^{and} S.$ slopes East
- 40.00 Set temp $\frac{1}{4}$ sec cor
- 79.82 Intersect $NA^{and} S$ line 121 lbs. Set cor to sees 2.3.10^{and} 11
Thence I run
 $S 88^{\circ} 59' W$ on a true line
let see 3^{and} 10 same way
- 39.91 Set a sand stone, 13 x 10 x 10 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 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.
- 79.82 To cor to see's 8.4.9^{and} 10
Sand Rolling
Soil 500 rate
Dust growing

T. 13N. R. 27 E G. & S R M

Chs

North on a random line
 Int sees 3^{and} 4
 In 13° 56' E

Ascend over rolling hills

3.00 Top spur pass 8^{and} Ward
 descend.

40.00 Set temp - '14 sec cor.

42.00 Enter flat pass N 20° E

48.25 Cross wash 20 lbs with Co N
 10° E. and ascend gradually.

80.45 Intersect N. B. by Sp. 14 lbs

East of cor to sees 3.4.33^{and} 39
 recently re-established by me. These I measured

So: 6' E on a true line Int.
 sees. 3^{and} 4. same as

40.45 Set a sandstone, 3 x 10 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. N and S
 of stone $\frac{1}{2}$ ft. dist. and raised a mound of earth
 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base. alongside.

T. 13N. R. 27E G. & S R M

chs

80. 45

I, cov trees 3. 4. 9^{and} 10

Law. Rolling

Soil; 8th val.

Good grazing

I carefully examined the
adjustments of my solar
compass to day, particularly
the latitude and meridian
aparatus and found them
correct

A. P. Johnson

9th 24th 1882,

T. 13N. R. 27 E G. & S R M

clus

From the standard Cor to
sees 32^{and} 33 on the south
Boundary of recently
re-established by me.

I run

North to sees 32^{and} 33

to 18° 30' E

Descent gradually.

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

58.40 Cross secy. 200 ft wide to
N. E. and ascent.

80.00 Set a Lava stone 8 x 12 x 12 ins., 12 ins. in
the ground for Cor, to Secs. 29-29-33^{and} 32³² marked
with 1 notch on S. and 4 notches 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.

T. 13 N. R. 27 E G & S R M
 BOOK 143

chs

4 1/2 ft. base alongside
 Sand. Rolling
 Soil. 8th rate
 Goat grazing

N 89° 05' E on a random line
 bet sees 28^{and} 33.
 In 13° 57' E

Descend.

- 14.00 Cross 20 y quiet to S. C. and
 ascend over Rolling prairie
- 40.00 Set temp 1/4 sec cor.
- 49.00 Top low spur has N^{and} Sand
 descend.
- 80.22 Intersect N^{and} S line 26 lbs
 N. of cor to sees 27. 28. 33^{and} 34
 Thence down
 S 89° 16' N on a true line
 bet sees. 28^{and} 33. same as

T. 13 N. R. 27 E G. & S R M

chs

40.11 Set a *Sand* stone, 15 x 10 x 8 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.

80.22 To cor to sees 28. 29. 32 ^{and 33}
Sand. Rolling
 Soil. 800 sals
 Good grazing

North set sees 28 ^{and 29}
 in 13° 57' E

Gradual ascent along
 E slope.

2160

40.00 Set a *Lava* stone, 10 x 8 x 8 ins., 7 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 *E*
 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. 13 N. R. 27 E G. & S R M

chs

80.00

Set a *Lava* stone 5' x 10' x 10 ins, 10 ins in the ground for Cor, to Secs, 20, 21, 28⁴ & 29 marked with 2 notches on S. and 4 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. alongside.

Sand Rolling
Soil; 8th rate
Good grazing

N 89° 05' E on a ~~line~~ ^{rainbow} line
bet sees 21 ^{and} 28.

to 13° 50' E

3.75

Cross Road near N ^{and} S

4.00

Begin gradual ascent

40.00

Set tempo 1/4 sec cor

56.00

Top of high ridge. 225 ft high
near N 8 ^{and} S N. ^{and} S.
Deseend gradually

T. 13 N. R. 27 E G & S R M

cks

21 & 8 line

80.60

Intersect 14 lks S of cor to
see's 21. 22. 27 ^{and} 28

Three I saw.

S 88.° 59' W on a true bet-see's
21 ^{and} 28. same wa.

40.80

Set a Sand^l stone, 20 x 16 x 12 ins., 15 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.

80.60

To cor to see's 20-21. 28 ^{and} 29

Sand^l Rolling

Soil; 8th rate

Grazing good.

North bet-see's 20 ^{and} 21
Va 13° 57' E

Assumed

23.00

Top of spur 50 ft. above cor

T. 13N. R. 27E G & S R M

chs

4000
 Run N. 70° E and descend.
 Set a Lava Stone 10 x 14 8 ins
 7 ins in the ground for "14
 see cor marked '14 on N face
 and raised a mound
 of stone alongside.

80,00

Pit's impracticable
 Set a sand stone 2x10x10 ins, 8 ins. in
 the ground for Cor, to Secs, 16, 17, 20^{and 21}, marked
 with 3 notches on S. and 4 notches on E. edges,
 dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft.
 dist. and raised a mound of earth 2 ft, high.
 4½ ft. base. alongside.

Louis Rollin's
 Soil, 3rd rate
 Good grazing

T. 13N. R. 27E G & S R M

chis

N 89° 05' E on a random
line bet sees 16^{and} 21

ra 13° 56' E

Obs flat,

40.00 Set temp - 11 + see cor.

44.00 Gradually ascended.

71.00 Cross Road near N 25 E

71.50 Top of spur bears N^{and} S

80.18 Intersect^{21 + seen} 12 lbs S. of cor to
sees 15, 16, 21, ^{and} 22.

Thence I run

S 89° 08' N. on a true line bet
sees 16^{and} 21. same rd

40.09 Set a Law stone, 8 x 10 x 10 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. 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.

Land Level.

Soil 3rd rate: Good grazing

T. 13N. R. 27 E G & S R M

chs

North lot-secs 16 ^{and} 17

to 13'. 50' E

Over rolling prairie sloping
N. E.

20.50 Cross saggs N. E.

40.00 Set a *Lava* stone, 18 x 10 x 10 ins., 12 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 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 *Lava* stone 18 x 10 x 12 ins., 12 ins. in
the ground for Cor, to Secs, 8, 9, 16 ^{and} 17 marked
with 4 notches on S. and 4 notch es 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.Sous' Rolling
Sail 3rd sec
Good grazing

T. 13N. R. 27 E G & S R M

chs

- 71.89.13 East on a random line bet
 sees 9^{and} 16
 to 13° 56' E
 Gradual ascent.
- 600 Top of Spur 15 ft high bears
 N.W. and S.E. ^{and} sees
- 30.25 Cross wash 4 ft wide to
 N 10° E and ascend gradually
- 40.00 Set temp 1/4 sec cor.
- 58.00 Top of spur cross N^{and} S and
 descend.
- 79.88 Intersect N^{and} S line. 21 lbs
 N of cor to sees 9. 10. 15. ^{and} 16
 Thence I run
 S 89. 14' N on a true line bet
 sees 9^{and} 16. same cor.
- 39.94 Set a sand stone, 18 x 12 x 6 ins., 12 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.

chs

79.88

To cor to see's 8.9.16^{and} 17.
 Land Rolling
 Soil. 3rd rate
 Good grazing

North lot see's 8^{and} 9.

ca 130.50 £

Over flat

24.00

Cross wash 15 lbs mid to W. E.

24.70

Cross road has 18^{and} 8 W

40.00

Set a Lava Stone 19+10+10 in

12 in in the ground for 1/4

see cor. marked 1/4 on W

face. and raised a mound

of stone along side P's

Impracticable.

49.00

Top spur 1/2 ft high base
 8^{and} W. ^{and} descend.

67.50

Cross sag. to E ^{and} ascend

T. 13N. R. 27E G & S R M

chr

80.00 Set a lava stone 18x14x6 ins
 12 ins in the ground for the
 cor to see's 4, 5, 8 and 9, marked
 with 5" notches on S. and 4
 notches on E. edges and raised
 a mound of stone along it's
 P. is impracticable
 Sand. Rolling
 Soil; 8" rain
 Good. grass

N 89° 05' E on a random line
 bet-see's, 4 and 9.

N 15° 57' E

Descend along S. E. slope

- 23.00 Enter flat bear N 35° E
- 40.00 Set trap '14 see cor
- 72.00 Cross wash 250 lbs with 60
 N and ascend.

BOOK 143
 T. 13N. R. 27 E G. & S R M

ch:

- 78.00 Top of spur 25 ft high base
N and S. and ~~down~~
- 80.16 Intersect N and S line 37 lbs
N. of cor to sees 3. 4. 9 and 10.
Thence down
S 89° 21' W on a true line bet.
sees. 4 and 9. same val.
- 40.00 Set a cairn stone. 14 + 12 + 9 in
9 in in the ground for 1/4
see cor marked 1/4 on N face
and raised a mound stone
alongside. Ditto impracticable
- 80.16 To cor to sees 4. 5 - 8 and 9.
Low Rollins
Soil 8th val.
Good grass

T.13N. R 27 E G & S R M

ch:

North on a random line.
bet sees 4^{and} 5 -
Ja 12° 5' 0" E.

Ascend.

19.00 Top of hill has. 8^{and} W and
descend gradually.

40.00 Set a temp- 1/4 sec cor

80.20 Intersect. N Biv. Sp. 20
lbs west of cor. to sees 4.5 -

32. ^{and} 33. results, re established

by me. These found
S.O. 97 ft. on a true line bet sees 4^{and} 5

40.20 Set a ^{same as} ~~quad~~ stone, 15 x 10 x 10 ins., 10 ins.
in the ground for 1/4 Sec, Cor, marked 1/4 on W
face, dug pits 18 x 18 x 12 ins. N and S.
of stone 5 1/2 ft. dist. and raised a mound of earth
1 1/2 ft. high. 3 1/2 ft. base. alongside.

80.20 To cor by sees 4.5: 8^{and} 9.
Land Rolling
Soil, 8 1/2 sec -
Good' Arayins

Chs

G. M. Carson Comptroller
Nov 24. 1882

From the standard cor to see's
31 and 32 on the south B'ding
Sp. recently re-established
by me I run

North bet see's 31 and 32.

In $13^{\circ} 30' E$

Ascend.

6.00 Enter Scott Juniper brush bars
E and W.

9.00 Top of spur bars N. W. and S. E.
and descend

12.00 Lean timber bars $74^{\circ} E$

14.00 Cross draw Cor. W. and ascend.

40.00 Set a line 12+10+8 ins. 8 ins
in the ground for '14 sec cor
marked '14 on N. face, and

BOOK 143

T.13N. R. 27 E G. & S R M

Chs

raised a mound of stone
alongside. Pits. Impassable

68.00 Top of hill 100 ft high bears N.E.

80.00 Set a Sand Stone 19 + 12 + 6 ins

12 ins in the ground for the
cor to see's 29. 30. 31 ^{and} 32.

marked with 1 notch on

S and. 5' notches on 8

edges dug pits 18 + 18 + 12

ins in each see 5 1/2 ft deep

and raised a mound of

earth 2 ft high 4 1/2

ft base alongside.

Sand Broken ^{and} Rocky

Soil. good rain

good grass

T. 13N. R. 27E G. & S R M

Chs

N. $89^{\circ} 05'$ E on a random line
 bet. sees 29^{and} 32.

to $15^{\circ} 58'$ E

Gradual ascent

12.00

Top of Spur bears N^{and} S
 and descent.

29.00

cross Prairie to N 15° E
 and ascent.

38.00

Foot. Spur bears N^{and} S and
 descent.

40.00

Set a trap - 114 ~~see~~, cor

42.00

cross rocky wash. 158 lbs
 with to S 62° N^{and} ascent.

65.00

Top of spur. Bears N. 30° E^{and}
 descent

80.12

Intersect N^{and} S line 42 lbs
 N of cor to sees 28. 29. 32^{and} 33

Thence I run

S $89^{\circ} 33'$ N on a true line
 bet. sees 29^{and} 32 same

T. 13 N. R. 27 E G & S R M

this

40.06 Set a Lateral Stone 16 + 12 + 8
 11 ins in the ground for 1/4 sec
 con. marked 1/4 on N face

and raised a mound
 of stone along side. Pits
^{impracticable}
 80.12 To cor to sec's 29. 30. 31 and 32.

Sand. Rolling and Broken
 Soil; 5th rule.

Good grass.

I carefully examined the
 adjustments of my solar
 compass to day, particularly
 the latitude and reversing
 apparatus and found them
 correct.

A P Johnson
 Nov 25th 1882.

T. 13 N. R. 27 E G & S R M
 BOOK 143

Chs

S 89° 05' W on a random line
bet. sees 30 and 31.

ca 13° 58' E

Rolling prairie

27.00 Descend gradual slope

33.00 Cross ravine bet N. and ascend
gradually.

40.00 Set temp 1/4 sec cor.

59.00 Top of fur bank N. 72° E and descend

80.26 Intersect N. Boundary of T.P.
14 lbs N of cor to sees 25, 30, 31
and 36. recently re-established
by me. Three Iron

N 88° 59' E on a true line bet
sees 30 and 31. same as

40.26 Set a Sand stone, 16 x 10 x 8 ins., 11 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.

T.13N. R 27E G & S R M

chs

80.26

To cor to see. 29-30.31^{and} 32
Land Rollins
Soil. 8th run.

Good' Grazing.
By M. Carson Compassman
Nov 25th 1882

North Mt. see's 29^{and} 30
In 130.57' E

22.78

Gradual ascent.
Cross Conchs Road. Cross
N 44° W.

40.00

Set a Lave Stone 10H10x6 in
This in the ground for 1/4
see cor marked '14 on N
face and raised a round
stone alongside. It's
impracticable.

57.27

Top of hill. 50 ft high bear N 45° E
and enter timber

T. 13N. R. 27 E. G. & S. R. M

cls

80.00

and descend over broken hills
 Set a lava Stone 16x15x10 in
 9 in in the ground for the
 cor to sees 19, 20, 29 ^{and} 30, marked
 with .2 notches on S ^{and} 5 notches
 on E edges, and raised a
 mound of stone along side. Pits
 impracticable.
 Land. High ^{and} broken prairie
 Soil. 3rd rate.
 Grass Good

789° 05' E on a random line
 Set sees 20 ^{and} 29
 In 13° 57' E

5.30

Ascend over broken hills
 Lean timber

40.00

Set temp 1/4 see cor

43.00

Top of hill has N ^{and} S ^{and}

T. 13N. R. 27E G. & S. R. M.

chs

Descent gradually

48.00 Cross Ravine ^{with} to N 40° E
and ascent.51.30 Top spur 50 ft high brass
N. 40° E. and descent.68.00 Enter gentle rolling
prairie79.82 Intersect N and S line 6
lbs S of cor to sees. 20.21
28 and 29. Thence down
S 89° 52' W on a true line
bet sees 20 and 29. same as39.91 Set a sandstone. 17 + 15' + 11' and
12' in the ground for
1/4 sec cor marked 14 on
N face and raised a mound
stone along side. It is
unpracticable.79.82 To cor to sees 19.20.29.30
Land Rolling

T. 13 N. R. 27 E G. & S R M

chs

Soil. 3rd rate

Good grass

A. P. Johnson Nov 25th 1882S 89° 05' N. on a rawson line
bet. sec's 19^{and} 30.

In 15° S 1/2 E

Ascend

20.00 Top of hill 100 ft. high and
enter rolling prairie

40.00 Set temp - 114 see cor

80.42 Insect. W. B. Sp. 18 lbs

S of cor to sec's 19. 24. 25^{and} 30
recently reestablished by

me. Thence down

N. 89° 14' E on a true line

bet. sec's 19^{and} 30. Same as

40.42 Set a larva stone, 18 x 16 x 12 ins. 12 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

BOOK 143

T. 13N. R. 27E G. & S R M

chs

1 1/2 ft high, 3 1/2 ft base
along side.

80.42

To see see's 19. 20. 29^{and} 30
Lans Rolling

Soil sand salt.

Timber scall Juniper

Good grass

G. M. Carson Comptroller

Nov 25th 1882

I carefully examined the
adjustments of my solar
compass to day. particular
lailey. the latitude &
and narrowing apparatus
and finding them correct

North let see's 19^{and} 20

In 13° 57' E

600

Entire level plain

T. 13N. R. 27 E G. & S R M

cho

- 40.00 Set a Lava Stone 16+12+8
 10 in in the ground for 14 sec
 cor marked 14 on W face
 and raised a mound
 stone alongside. Pits
 impracticable.
- 70.00 Ascend.
- 20.00 Set a Lava Stone 15+12+6
 10 in in the ground for the
 cor to see 17+18+19 ^{and 20}
 marked with 8 notches on
 S. ^{and} 5 notches on E edges
 and raised a mound stone
 alongside. Pits impracticable
 Land Rolling.
 Soil, 2nd rank
 Good grass

BOOK 43

T. 13N. R. 27E G & S R M

Chas

$N 89^{\circ} 05' E$ on a random line
between sees 17^{and 20}.

$Sa 13^{\circ} 56' E$

Gradual descent.

17.00 Enter flat cross N ^{and S}.

40.00 Set temporary $1/4$ sec cor

63.00 Cross sag 25-lbs net E to
 $N 15^{\circ} E$.

80.40 Intersect N ^{and S} line 33 lbs

N of cor 20 sees 16, 17, 20^{and 21}

Three runs

$S 89^{\circ} 19' W$ on a true line

between sees 17^{and 20} same 20'

~~80~~
40
80.20

Set a Laca stone, 12 x 10 x 6 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.: S and W
of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. alongside.

80 40

To cor 20 sees 17, 18, 19^{and 20}
Land Rolling

T. 13N. R. 27 E G. & S R M

Chs

Soil, 8th rate

Good grazing

A P Johnson

Nov 25th, 1882

$S 89^{\circ} 05'$ on a random line
between sees 18^{and} 19.

$Da 13^{\circ} 57' E$

Gradual ascent over
broken prairie

40.00 Set temp - $\frac{1}{4}$ sec cor

79.92 Intersect N. Boy Sp. 26 lbs
of cor to sees 18, 18, 19^{and} 24
recently re-established
by me. Thence I run

$N 89^{\circ} 16' E$ on a true line
bet sees 18^{and} 19. same as

89.92 Set a Sand stone, $22 \times 16 \times 4$ ins., $\frac{1}{16}$ 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. 8 and 10

T. 13N. R. 27E G & S R M

chs

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.

79.92 To cor w sees 17, 18, 19 ^{and} 20
 Sand. Broken
 Soil, 3rd soil
 Timber. Sealt Juniper bush.

I carefully examined the
 adjustments of my solar
 compass & day particularly
 the latitude and meridian
 apparatus and found
 them correct

G M Carson

Compassman

Nov 25th. 1882

143
T. 13N. R. 27E G. & S. R. M

chs

North set sees 17^{Aug} 18

to 18° 58' E

Over broken prairie on
East slope.

5.00 Enter timber base 21. W.
Aug 18

40.00 Set a Lava Stone 10 + 10 + 6 ins
7 ins in the ground for 1/4 sec
cut marked 1/4 on N face and
raised a mound stone
along side. Pits unpracticable

80.00 Set a Lava Stone 15 + 8 + 8 ins
10 ins in the ground for the
see to see's 7, 8, 17. ^{Aug} 18 marked
with 4 notches on S and
3 notches on E edges and
raised a mound stone
along side. Pits unpracticable.

Land Broken ^{Aug} Rolling

BLOCK 43
T. 13 N. R. 27 E G & S R M

chs

Soil 3rd soil
Finner Scott jumper
Good grazing.

N 89° 03' E on a random
line bet sees 8 ^{and} 17.
In 13° 56' E

15.00 Enter flat base N ^{and} S

40.00 Set camp - 114 see cor

68.10 Cross dry wash to N.E.
and around.

80.12 Intersect N ^{and} S line 22 lbs

S of cor to sees 8, 9, 16 ^{and} 17.

Thence I run

S 89° 56' N on a true line bet.

sees 8 ^{and} 17 - same ea

40.06 Set a Law stone, 16 x 10 x 8 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. S and W

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

BOOK 143
T. 13N. R. 27 E G. & S R M

chs

1 1/2 ft high 3 1/2 ft base
along side.

80.12 To cor to sees 7, 8, 17 ^{and} 18.

Sout. Rolling

Soil. 3rd run

Good grazing

A. P. Johnson

Nov 26th 1882

S 89° 05' N on a random line bet.
sees 7 ^{and} 18.

Pa 13° 57' 8

Gradually ascend our rolling
hills:

40.00 Set a temporary 1/4 sec cor

79.74 Intersect N Boundary of Sp

14 lbs N of cor to sees 7, 12, 13 ^{and}
reestablished by me
18th with same ra

Thence I run

BOOK 143

T.13N. R 27 E G & S R M

chs

$N 88^{\circ} 59' E$ on a low line
 on a low line
 on a random line bet
 sees 7^{and} 18. same ea.

39.74 Set a Sand stone, 2. x 16 x 12 ins. 15 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.

79.74 To cor 25 sees 7, 8, 17^{and} 18

Sand, Rolling

Soil; 3rd rate

Good grazing

Scatt jumper timber

G. M. Carson

Compassman

Nov. 25th 1882.

T. 13N. R. 27 E. G. & S. R. M.

chs

North lat sees 7^{and} 8

In 13° 57' E

Over rolling hills, on E Slope

4.00 Low scat Juniper ~~brush~~
brush bears N 72° W.23.50 Cross road bears E^{and} W40.00 Set a Lava Stone 10+6+6 in
7 in in the ground for 1/4 see
cor. marked 1/4 on W face
and raised, a mound of
stone along E. Pits
impracticable80.00 Set a Lava Stone 12+8+8 in. 8 in
in the ground for the cor & see's
5.6.7^{and} 8. marked with 6 notches on
S and E edges and raised a mound
of stone along side. Pits impracticable
Sand, rolling &
Soil. 2nd rate good grazing.
Timber. Scattered Juniper:

T. 13N. R. 27E G & S R M

ch.

N 89° 15' E on a random line

bet sees 5^{and} 8.

to 13' S of E

Ascend.

36.00 Top of ridge bears N. E. ^{and S. W.}
and descend.

40.00 Set temp 14 sec cor

79.78 Intersect ^{N and S} line 25th

N of cor to see 4, 5, 8, ^{and} 9.

Thence run

S 89° 16' W on a true line

bet sees 5^{and} 8. same as.

39.84 Set a *Lava* stone, 10 x 10 x 6 ins., 7 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 $\frac{1}{2}$ ft. dist. and raised a mound of earth
 $\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside.

79.78. To cor to see 5, 6, 7 ^{and} 8.

Land. Rolling

Soil; set same.

BOOK 143
T. 13 N. R. 27 E. G & S. R. M.

chs

Vegetation Good grass
A P Johnson
Nov 25th 1882

S 89° 05' W on a random line
bet sees. 6^{and} 7.
In 13° 58' E

Over rolling prairie
Gradual ascent

40,00 Set temp 1/4 sec cor

7600 Enter track base N. 7° E.

80.20 Intersect W. Boring Sp 20 lb
N of cor to sees 1, 6, 7^{and} 12,
recently re-established by me

Thence I run

N 88° 56' E on a true line

bet sees 5^{and} 6 same re

40,20 Set a low stone 12 + 10 + 6 in
8 in in the ground for

T.13N. R 27 E G. & S R M

chs

114 see cor marked 114
on Mt. face. and raised
a mound of stone along side
Pits impracticable

80.20 To cor to see 5, 6, 7 ^{and} 8.

Lays. Rolling
Sail. 8th sun
Good grazing

North on a random line
bet. sees 5 ^{and} 6.

to 13° 5' 7" E

Over rolling hills on
E slope

40.00 1st temp - 114 see cor

76.00 Chas's House has due E
from this point ^{about} 32.77 chs dist

79.86 Invernet - N Boring Sp.

30 lbs E of cor to see 5, 6

T. 13 N. R. 12⁴³ E G. & S R M

chs

7^{and} 8. recently re-established
by me. Thence I run
S. 8. 13' on a true line
between 3^{and} 6 same w

39.86 Set a Lora Stone 12 H. 10 H.
in 8' in the ground
for 7' 11' see cor marked
7' 4' on N face and raised
a mound of stones alongside
Pit: impracticable.

79.86 To cor to see 5. 6. 7^{and} 8.
Land. Relling
Soil 3rd. soil
Good grass,
to M Carson Compassion
Nov 25th 1882

T. 13 N. R. 27 E. G & S R M
BOOK 143

Genl Description

T. 13 N. R. 27 E

The whole of this Tp is rolling prairie and low flats; hills are also low

The soil in the flats is rich and suitable for cultivation

The grazing is excellent throughout the whole Tp

Timber, medium sized scattering juniper

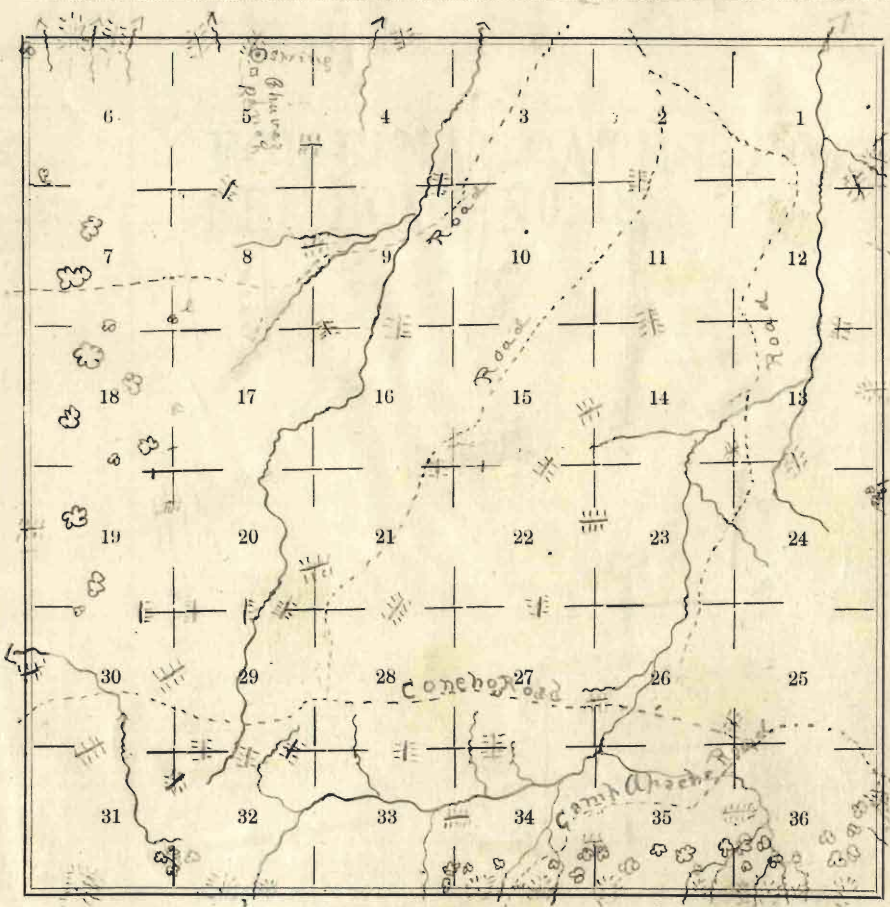
It is well watered and where there is no running water shallow wells would furnish all water necessary.

There is one settler Jose Angel Chavez, whose claims are in the N. E. and W. corners of sec 5. ^{and} Consists of house

19

T. 13 N. R. 27 E G & S R M

Township 13 N Range 27 E M.



BOOK 143

U. S. Surveyor General's Office,

Tucson, Arizona, *November 10, 1883,*

The foregoing Field Notes of the Survey of the

*Subdivision Lines of
Township 13 North
Range 27 East*

Of the Gila and Salt River Base and Meridian, Arizona, executed by *A. P. Johnson*

Deputy Surveyor, under his contract of the *14th*

day of *July*, 188*2*, 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. Robinson
Surveyor General.