

Book No. 1

No-167

Field Notes

OF THE SURVEY OF THE

Subdivision Lines

-OF-

Township *14 N.* Range *22 E.*

Gila and Salt River Base and Meridian

ARIZONA.

By *A. P. Johnson.* D.S.

Under contract dated *July 7th* 1882

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Survey completed *Dec 20th* 1882.

No-167

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*a
Copies
Compared
Indexed*

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Range 23 E.

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Gila and Salt River, Arizona.

ARIZONA.

Township 14 N. Range 28 East M. 1AA
Sula Unit Salt River Indian.



BOOK 167

10

BOOK 167

T14.N.R 23 E G & S R M

Chis

From the cor to sees 1. 2. 35 ^{and 26}
 on the south Boundary of the
 T.P. recently re-established.
 by me. I run
 North bet sees 35 ^{and 36}.
 Ia 13° 42' E

Our rolling land.

40.00

Set a post 8 ft long 3 ins square
 24 ins in the ground for 1/4 sec
 cor. marked 1/4 S. on W. face
 from which.

A Juniper. 18 ins diam base
 N 41° E 36 lks dist. Marked
 1/4 S. B. T.

A Juniper. 10 ins diam base S
 52° W. 28 lks dist. Marked 1/4
 S. B. T.

80.00

Set a post 4 ft long 4 ins
 square 24 ins in the ground
 for the cor to sees 26 ^{and 26}

T14.N.R 23 E G. & S R M

chs

35-^{and}36, marked T14 N. S. 25: on
N. E. R. 23 E. S. 36 on S. E.
S. 5 on S. W. ^{and} S 26 on N. W.
faces. with 1 notch on S ^{and} E
edges from which

A Juniper 10nis drain bears
N 10° E. 38 lbs dist. Marked
T. 14 N. R 23 E S. 25: B. T.

A Juniper 4nis drain bears S.
48. 30 E. 23 - lbs dist Marked
T. 14 N. R 23 E S 36 B. T.

A Juniper 6nis drain bears S
38° W. 73 lbs dist. Marked
T 14 N. R 23 E. S. 35 B. T.

A Juniper 10nis drain bears
N. 42° W. 95 lbs dist. Marked
T. 14 N. R 23 E. S. 26 B. T.

Laurel Rollin.

Soil. 3rd rate. good growing
Timber & dense Juniper

BOOK 167

T14.N.R 23 E G. & S R M

chs

$789^{\circ}06' E$ on a random line
 1st sec's 25-⁴⁴/36.

to $18^{\circ}42' E$

Descend gradually.

18.20

Leaves timber line N. & S

39.25

Cross egg course N.

40.00

Set a temporary $1/4$ sec cor

67.00

Enter scattering timber line

N. & S

79.83

Intersect δ Body $9/4$ 20 lbs N
 of cor to sec's 25-30-31 ⁴⁴/36.

which is,

A Post 4 in square, firmly set
 in a mound of earth, properly marked
 and notched with 4 bearing
 trees also properly marked.

Thence down

$89^{\circ}17' N$ on a true line set

T14.N.R 23 E G & S R M

chs

39.91

see's 25^{and} 26. same rd
 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 $\frac{1}{4}$ face, dug pits 18 x 18 x 12
 ins. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
 a mound of earth 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. around
 post.

79.88

To cor to see's 25, 26, 35^{and} 36.
 Land. Rollins
 Soil. 8th rate. good grazing
 Timber. Scattered juniper.

North rd see's 25^{and} 26

ca 13° 42' E

Descend gradually through
 dense juniper timber.

30.00

Lean dense juniper timber
 from E to W and across
 flat

T14 N. R 23 E G & S R M

chs

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 \mathcal{N} face, dug pits 18 x 18 x 12 ins. \mathcal{N} and S of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around post.

80.00 Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 23 24, 25 $\frac{1}{2}$ 26 marked T. 14 \mathcal{N} S. 24 on N. E. R. 23 \mathcal{S} S. 26 on S. E, S, 26 on S, W, and S, 28 on N, W, face, with 2 notch ~~se~~ 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. around post. from which

A Juniper tree 12 ins diam
 bears \mathcal{N} . 49 \mathcal{E} . 141 chs dist -
 Marked T. 14 N. R 23 \mathcal{S} \mathcal{S} 24
 B. T. A Juniper.
 20 ins diam bears \mathcal{S} 39 \mathcal{E} . 120
 chs dist. Marked T. 14. N. R
 23, \mathcal{S} . S. 25. B. T. 20 other end
 in limits

T14.N.R 23 E G. & S R M

chs

Lays. Rolling
Soil, 2nd sale - Good grazing
Timber - Dense Juniper.

489° 06' E on a random line
between sec's 24^{and} 25
2a 13° 42' E

Descend gradually.

81.50

Top of ridge 75 ft. high near
S. and W. and descend.

40.00

Set a temporary 1/4 sec cor

79.69

Intersect E. Bdy of Sp. 13th
South of cor to sec's 19, 24, 25^{and} 30
which is.

A post, 4 in square, firmly set in
the ^{a mound} ground of earth, properly
marked and notated, with pits
daqui each sec 5 1/2 ft. dist and
mound of earth raised around post

T14.N.R 23 E G. & S R M

chs

Thence Iron
 S. 89° 00' W m a true line
 41-sec's 24^{Aug 25}: Same as
 39.85- Set a Post, 3 ft long 3 ins
 square 24 ins in the ground
 for 1/4 sec cor. marked 1/4
 on N. face, from which
 a Juniper 8 ins diam bears
 S 77° E. 1.66 ch's dist. Marked
 1/4 S.B.S.

A Juniper 16 ins diam bears
 N 85° W. 1.44 ch's dist. Marked
 1/4 S.B.S.

79.69. To cor to sec's 23-24-25^{Aug 26}
 Sand. Rolling
 Soil, 3rd soil. Good grazing
 Timber. Dense Juniper

T14. N. R. 23 E G. & S R M

ch

North let sees 23^{and} 24
 Ea 13° 42' E

Across flat.

7.00 Leave timber near E. W.

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.

60.00 Leave flat ^{and} enter scattering ^{of} ^{wood}
 timber near N 45° E

68.00 Top of low hill near E + W
 and descend. (30 ft high)

71.00 Cross creek near N. 13° W.

80.00 Set a post 4 ft. long 4 ins. square, with marked stone, ²⁷ 12 ins, in the ground for Cor, to Secs, 13. 14. 23^{and} 24 marked T. 14 N. S. 13 on N. E. R. 23 S. 24 on S. E, S, 23 on S, W, and S, 14 on N, W, face, with 3 notch ^{es} on S, and 1 notch on E. edges, from which

T14 N. R 23 E G & S R M

chs

A Juniper. 20 in diam base
N 67° E. 99 lbs dist.

Marked T. 14 N. R. 23 E. S
13 B. S.

A Juniper - 8 in diam base
S 74° E. 135 lbs dist.

Marked T. 14 N. R. 23 E. S 24
B. S.

A Juniper 8 in diam base
S. 58° W. 61 lbs dist

Marked. T. 14 N. R. 23 E. S 23.
B. S.

A Juniper 10 in diam base
N 82° W. 42 lbs dist

Marked. T. 14 N. R. 23 E. S. 14 B. S.

Soil. Rolling

Soil, 2nd row - good ground

Timber - Scattered Juniper

T14.N.R 23 E G. & S R M

chs

$N 89^{\circ} 06' E$ on a random line
 1/4 sec's 13^{and} 14.

In $13^{\circ} 42' E$

Ascend gradually.

2600 Top of ridge 70ft high near
 $N 25^{\circ} E$ and descend gradually.

40,00 Set a temporary 1/4 sec cor

79.96 Intersect E Boundary. Tip
 32 lbs N. of cor to sec's 13, 18,
 19^{and} 24, which is.

A 40x40 ft square, firmly set
 in a mound of earth, properly marked
 and notched, with 1/2 ft dug in
 each sec. 5 1/2 ft dist and mound
 of earth raised around post

Thence I run.

$S 89^{\circ} 20' W$ on a true line bet
 sec's 13^{and} 14, same run

4.00

T14.N.R 23 E G & S R M

cl

39.98

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

79.96

To cor to sec's 13-14-23 ^{and 24}
 Land. Rolling
 Soil. 3rd m. - Good faying
 Timber Scattered Juniper

North 1/4-sec's 13 ^{and} 14

on 13° 42' E

13.00

Ascend slope has N. 28° E.

27.00

Cross spur 80 ft high has
 N 30° W and descend over broken
 land.

40.00

Set a Sandstone 13710 + 3 ins
 8 ins in the ground for 1/4 sec

T14. N. R 23 E G. & S R M

Ch's

- Cor. marked 14 on N face
and raised a mound of stone
alongside pile - impracticable
- 48.00 Cross sag 70 ft. mid: Co
N 17° W. and ascend
- 53.00 Top of spur. 75 ft. high base
N. 20° W. and descend.
- 56.00 Cross sag. 65 ft. mid: Co
N 22 1/2° W. and ascend
- 68.00 Top of spur 60 ft. high ^{base N 28° W} and
descend.
- 80.00 Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins. in the ground for Cor, to Secs.
11, 12, 13 ^{and} 14 marked T. 14 N S. 12 on
N. E. R. 23 E S. 13 on S. E. S. 14 on
S, W, and S, 11 on N, W, face, with 4 notch
seen S, and 1 notch on E. edges, dug
pits 13 x 13 x 12 ins. in each Sec., 5 1/2 ft. dist.
and raised a mound of earth 2 ft. high. 4 1/2 ft.
base. around post. from which
A jumper 12 ins diam base

T14.N.R 23 E G & S R M

chs

S 68° E. 24 lbs dist

Masked T. 14 N. R. 23 E. S 12 G. S.

A Juniper 13 in diam bears

S 70° N. 64 lbs dist.

Masked T. 14 N. R. 23 E. S 14

B. T. No other trees in limits
Lands. RollingSoil: 8th salt. Good grazingTimber: ~~Juniper~~ Juniper

N 89° 06' E on a sandstone line

Set sec 12 and 13

on 13:42' E

Ascend gradually.

4.30

Top of spur 30 ft high bears
N 15° E, and descend

22.00

Cross sag 27 ft - rise to
N 60° W, and ascend,

40.00

Set a temporary 1/4 sec on

T14.N.R 23 E G. & S R M

chs

- 53.00 Cross spur 50 ft high base
N 78° and descend.
- 61.20 Cross sag 37 lbs wide base
S 86° W. and ascend
- 73.00 Top of spur 140 ft high base
N 78° and descend.
- 80.00 Foot. of spur base N. 78°
- ~~80.40~~ Intersect E B. Sp. 8 lbs S
of cor to see's 7, 12, 13^{and} 18
which is
A Post 4 in square firmly set in
the ground. Properly marked
and notched, with 4 Juniper
properly marked as bearing
true.
- Thence I run.
S 89° + 3' W on a true line bet.
see's 12^{and} 13. same as
- 40.20 Set a sand stone 12 7 10 + 6 in

T14.N.R.23.E.G. & S.R.M

chs

is in the ground; for 14
see cor. marked 14 on N
face and raised a mound
stone alongside. Pile
impracticable.
80.40 To cor to see 11.12.13 ^{and 14}
Lays. Rolling
Tail. 3rd side open grazing
Timber Scattermg jumper

North between 11 ^{and 12}

In 13:42 '8

81.07 Top of spur 60 ft high bears
N 12° W. and descend.
13.12 Cross Sag bears N 15° W
and ascend
17.10 Top spur 30 ft high bears
N 15 1/2° West, and descend
19.00 Lean timber bears N 16° E.

T14.N.R 23 E G. & S R M

chs

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 \swarrow face. Corn pits 18 x 18 x 12 ins. \swarrow and \searrow of post $\frac{1}{4}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. around post.

42.00

Cross sag bars \swarrow $3\frac{1}{2}^{\circ}$ \swarrow 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, 1. 2. 11 \swarrow 12 marked T. 14 \swarrow S. 1 on N. E. R. 23 S. 12 on S. E, S, 11 on S, W, and S, 2 on N, W, face, with 5-notch es 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. around post.

Lans Rolling

Soil, $\frac{1}{2}$ sale. good grazing
Triton. Scattering Juniper.

TIAN R 23 E G & S R M

Ch's

$7189^{\circ} 56'$ B on a random line
 Set sees 1 and 12.

2a $13^{\circ} 42'$ B

Ascend gradually.

30.00 Enter timber bears N. 44° W.

33.00 Cross creek bed N.

40.00 Set a temporary 14 see cor

69.00 Top of spur bears N. 18° and
 descend gradually.

80.16 Intersect E. B. Sp. 36 lks
 S of cor to see 1, 6, 7 and 12
 which is

A Post 4m square, firmly set
 in the ground properly marked
 and notched. From which a juniper 16 in
 diam bears S. 20° E. 69 lks dist; Marked P. 14 N. R. 23 E. S. 6. B. 5.
 A juniper 12 in diam bears S. 40° W. 83 lks dist
 Marked S. 14 N. R. 23 E. S. 12 B. 5.

Thence S. $88^{\circ} 51'$ W on a true line

T14.N.R 23 E G. & S R M

chs

4018 bet-secs 1^{and} 6, same sub
 Set a post 3 ft. long 3 ins. diam with marked
 stone, 12 ins. in the ground for $\frac{1}{4}$ Sec, Cor,
 marked $\frac{1}{4}$ S. on N face, dug pits 18 x 18 x 12
 ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
 post.

80.16 Di cor to secs 1, 2, 11 ^{and} 12.
 Saw rolling ^{and broken}
 Soil; Standys rate, good grain
 Timber. Scattered juniper.

North on a random line
 bet secs 1^{and} 2.

A 13°. 42' E

Over rolling land

4130 Enter timber trees N 8. 45 W.

18.00 Cross egg bar N 63° E. and around

33.00 Cross Log 5' ft high trees N 50° W

40.00 Set a temporary 1/4 sec cor

T14 N. R. 23 E G & S R M

chs

- 71.00 Cross mark Co N. E.
- 81.25 Intersect N Body T^p 12th
East of cor to sees 1, 2, 35-
and 36. recently re-established
by me.
Thence, I run,
S 0.5' E, on a true line bet.
sees 1^{and} 2, same val.
- 41.25 Set a Sand stone, 30 x 16 x 4 ins., 22 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.
- 81.25 To cor to sees 1, 2, 11^{and} 12.
Sand. Rolling.
Soil, 3rd rate. Good growing
Timber scattering Juniper.
I carefully examined the
adjustments of my color

T14.N.R 23 E G & S R M

Chis

Compass today, particularly
the latitudes and running
aparatus and found them
correct.

A. P. Johnson Dec. 18. 1882

From the cor to sees 2.3
34^{and} 35 on the South
Boundary T. P. recently
re-established by me
I run

North to sees 34^{and} 35 -
Ba $13^{\circ} 42' E$

Over rolling surface through
dense Juniper timber

30.00 Sear timber bears $71^{\circ} 40' E$

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

T14. N. R 23 E G & S R M

chs

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

76.00 *Galix dense timber bears S. W.*

80.00 Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 26-27-34-35 marked T. 14 N S. 26 on N. E. R. 23 S. 35 on S. E, S, 34 on S, W, and S, 27 on N, W, face, with 1 notch on S, and 2 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., No trees in limits

Sand Rolling

Soil. 3rd rate

Timber Dense Juniper

Good Grazing

*N 89° 06' E on a random line
bet-sec's 26 and 35*

Da 13: 42' E

T14. N. R 23 E G. & S R M

chs

- Ascend gradually.
- 23.00 Lean timber E, W
- 40.00 Set a temporary 1/4 sec cor
- 60.00 Enter dense timber tract
N + S
- 79.90 Intersect N + S line 35 lbs
S of cor to sec's 25-26-35^{and 26}
Three drum.
S 88. 51' W on a trundle
bet sec's 26^{and} 35. same as
- 89.95 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins. in the ground for 1/4 Sec, Cor,
marked 1/4 S. on N face, dug pits 18 x 18 x 12
ins. E and W of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around
post.
- 99.90 To cor to sec's 26-27-34^{and 35}
Land Rolling
Sail. no saw
Timber. Dense Juniper
Good. Grazing

T14.N.R 23 E G & S R M

chs

- North let sees 26 ^{Aug 27}
 In $13^{\circ} 42' 8''$
- 17.00 To foot of hill bears $8^{\circ} W$
^{Aug 26 contd}
- 33.00 Top of hill 90 ft high bears $8^{\circ} W$
^{& 1/2 bearing}
- 40.00 Set a post 3 ft long, 3 ins square 2 1/4 ins in the ground for 1/4 sec cor marked 1/4 S on N. face. From which
 A Juniper 18 ins diam bears $N 15^{\circ} E$, 60 lks dist,
 Marked 1/4 S B S.
- A Juniper 20 ins diam bears $S 3^{\circ} W$, 16 lks dist. Marked 1/4 S B S.
- 61.15 Cross wash 15 lks wide $60^{\circ} N 70^{\circ} W$
- 62.00 Leave foot of hill bears $E \& W$.
- 70.00 Leave ^{where} timber bears $E \& W$.
- 72.00 Enter flat bears $E \& W$.
- 80.00 Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Sees,
 22.23.26 [&] 27 marked T. 14 N S. 23 on
 N. E. R. 23 E S. 26 on S. E. S. 27 on

T14.N.R 23 E G. & S R M

chs

S, W, and S, 22 on N, W, face, with 2 notches
 es on S, and 2 notches on E. edges dug,
 pits 13 x 13 x 12 ins. in each Sec., 54 ft dist
 and raised a mound of earth 2 ft, high. $1\frac{1}{2}$ ft
 base. around post.

Spec. Rolling
 Soil. 8th rate Good grazing
 Timber: White Juniper

71.89° 06 On a random line
 bet. sees 23rd and 26.

In 13° $2\frac{1}{2}'$ C

Over flat; gradual N slope
 700 Lean flat & ascend gradually.
 4000 Set a temporary 14 sec cor
 74.00 Enter. 10 sec scrub timber
 near N. 8. S
 80.18 Interest N 8 line 8 lks
 North of cor to sees 23-24. 25th 26

T14.N.R 23 E G & S R M

chs

- Thence Iron
S 89.09' W on a true line
bet sees' 23^{and} 26 same rd
- 40.09 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ S. on N face, dug pits 18 x 18 x 12
ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post.
- 80.18 To cor w sees' 22. 23. 26^{and} 27
Sawd. Rolling
Soil. 8th rate. Good grazing
Timber dense scrub juniper
-
- North bet sees' 22^{and} 23
In $13^{\circ}.42' E$
Across flat.
30.00 Lease flat near N.D. & S.W.

T14.N.R. 23 E.G. & S.R.M

chs

- 40.00 Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on *N* face, dug pits 18 x 18 x 12 ins. *N* and *S* of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around post.
- 63.00 Enter Dense timber bears *S* and *W*.
- 65.00 Leave same bears *S. & W.*
- 80.00 Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor. to Secs, 14.15722²/₃ marked T. 14 *N* S. 14 on N. E. R. 23 *S* S. 23 on S. E, S, 22 on S, W, and S, 15 on N, W, face, with 3 notch ~~ed~~ on S, and 2 notch ~~ed~~ on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft. base. around post.

Land. Rolling

Soil, 1st & 2nd rule. Good grazing

Timber. Dense Juniper

T14.N.R 23 E G & S R M

chs

- 489° 06' E on a random
 line to see's 14th 23
 Cal 13° 72' E
- 4.20 Descending gradually
 Enter dense timber
 N. 78°
- 14.10 Leave timber bears N. 78°
- 30.00 Enter flat bears N 20° E
- 40.00 Set a temporary 1/4 sec cor
- 43.00 Enter dense timber bears N 78°
- 46.00 Cross say bears N. 6° W.
- 55.00 Leave flat and ascend gradually
- 67.75 Top of hill 30 ft high bears N 78° (some)
- 80.34 Intercept N. 78° line 17 lbs B
 of cor to see's 13/14, 22nd 23.
 Thence Iron
 S 88° 59' W on a line bet-
 see's 14th 23 - Same rd.
- 40.17 Set a post 3 ft. long 3 ins. diam with marked
 stone, 12 ins, in the ground for 1/4 Sec, Cor,
 marked 1/4 S. on N face, dug pits 18 x 18 x 12

T14.N.R 23 E G. & S R M

chs

ins. E and W of post 5½ ft. dist. and raised
a mound of earth 1½ ft, high. 3½ ft. base. around
post.

80.34

To the cor 20 sec's 14, 15-22 ^{and 23}
Sand, Rolling
Soil, 2nd rate. Good growing
Timber Dense Juniper.

North 21-sec's 14 ^{and 15-}
to 13° 42' E

Over rolling surface
27.00 Better Dense Juniper
timber, trees to 33° W.

40.00

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for ¼ Sec, Cor,
marked ¼ S. on W face, dug pits 18 x 18 x 12
ins. E and W of post 5½ ft. dist. and raised
a mound of earth 1½ ft, high. 3½ ft. base. around
post. from which

A Juniper 15' in diam trees

T14 N. R 23 E G & S R M

chs

N 12° E. 213 lks dist.

Marked 14 S. B. T.

A Juniper 8 ins diam base

N 16° W. 120 lks dist

Marked 14 S. B. T.

80.50

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 10-11-14 and 15 - marked T. 14 N. S. 11 on N. E. R. 23 E S. 14 on S. E, S, 15 - on S, W, and S, 10 on N, W, face, with 4 notch es on S, and 2 notch es on E. edges, dug pits 13 x 13 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high. 4 1/2 ft. base. around post. from which

A Juniper 14 1/2 ins diam base

N 80° E. 3.10 lks. Marked T.

14 N. R. 23 E. S, 11 B. T.

A Juniper 8 ins diam base

S 31° E. 108 lks dist.

Marked T. 14 N. R. 23 E. S 14 B. T.

A Juniper 15 ins diam base

T14.N.R 23 E.G. & S.R.M

chs

S1 6 1/2 N. 2.05 ch' dist
 Marked T14 N.R. 23 E.S.
 15-13 S. No other trees in limits
 Leaves. Rolling
 Soil, 8th. rali. Good grazing
 Fruits. Scattering juniper.

N 89° 06' E on a random line
 1st sees 11 and 14
 N 13° 47' E

- 13.00 Descend gradual slope back N.S
- 16.00 Enter dense timber back N.S
- 40.00 Set a temporary 1/4 sec cor
- 68.00 Cross flat back N.
- 69.20 Cross wash to N.
- 73.00 Enter dense timber back N.S
- 80.12 Intersect N.Y. Line 24 lbs
 South of cor to sees 11, 12, 13 and 14

T14 N R 23 E G & S R M

chs

- These I run
 S 88° 56' W on a true line
 bet sees 11 ^{and} 14 same as.
- 40.06 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. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
 a mound of earth 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. around
 post.
- 80.12 In cor to sees 10, 11, 14 ^{and} 15 -
 Sand. Rolling
 Soil. 3rd rate. Good foraging
 Timber. Dense juniper

- North bet-sees 10 ^{and} 11
 Ia 13° 42' E
- Over rolling surface
- 3.00 Cross sag. bet 37 $\frac{1}{2}$ ° E ^{and} around
- 5.00 Top of Spur 60 ft high bare
 N 40° E. and around

T14. N. R 23 E G & S R M

chs

- 31.00 One East of this point - about
21.00 chs is Jaramillo's Ranch,
- 40.00 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $\frac{1}{2}$ Sec, Cor,
marked $\frac{1}{2}$ S. on 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. \nearrow Cross sag, bears $N 48^\circ E$ and
- 53.00 Lean dense timber bears $N 11^\circ E$
- 61.00 Top of spur 60 ft high bears
 $N. 45^\circ E$ and descend,
- 80.00 Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
 $2.3-10$ ^{and} 11 marked T. 14 N S. 2 on
N. E. R. 23 & S. 11 on S. E, S, 10 on
S, W, and S, 8 on N, W, face, with 5-notch
es on S and 2 notch es on E. edges dug
pits 18 x 18 + 2 ins in each Sec. $5\frac{1}{2}$ ft dist
and raised a mound of earth 2 ft, high. $1\frac{1}{2}$ ft.
base. around post.

Land. Rollins,

Soil. red soil. good grazing

T14.N.R 23 E G & S R M

chs

Timber, *Quercus prinus*

$489^{\circ} 06'$ Long random line
 between 2nd & 11

In $13^{\circ} 42' E$

Descending Gradual

24.00 Enter ^{line} timber base $N. 7. E$

31.00 Lean dense timber base $N. 12. E$

34.00 Cross Road base $N. 10. 8 +$
 $S. 10. 0 W.$

38.00 Enter flat base $N. 12. 0 W$

34.00 chs not good farming
 land.

40.00 Set a temporary $1/4$ sec cor

68.00 Cross wash line $N. 13. 1/2 E$

70.00 Ascend gradual slope

73.00 Enter dense timber base N

78.00 Lean same base $N. 7. E$

79.88 Intersect $N. 7. E$ line 10 lbs S

T14. N. R 23 E G & S R M

chs

of cor to see's 1, 2, 11, ^{and} 12.

Pence Iowa

S 89° 02' W on a true line bet.

see's 2 ^{and} 11 same as

39.94 Set a Sand 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. 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.

79.88 To cor to see's 2, 3, 10 ^{and} 11 -

Sand. Rolling

Soil. 2 nd & 3 rd sec.

Good grazing.

Timber. Scattered Juniper

North on a sand on line bet.
see's 2 ^{and} 3.

Va 13° 42' E

Decreases gradually

T14.N.R 23 E G. & S R M

chs

- | | |
|-------|---|
| 17.00 | Enter dense timber bears
N 40° E |
| 40.00 | Set a temporary 1/4 sec cor |
| 49.20 | Leave timber bears N 40° E |
| 58.00 | Enter flat bears N 12° W |
| 82.10 | Intersect N Boundary
T _p . 45 lks E. of the cor to
secs 2, 3, 34 ^{and} 35; recently
re-established by me.
Thence Iron
S: 19' East on a true line
bet secs 2 ^{and} 3. same as |
| 42.04 | Set a sand stone 16+1218 in
12 in in the ground for 1/4
sec cor, marked 11 on
N face, and raised a
mound stone alongside
Ditch impracticable. |
| 82.04 | To cor to secs 2, 3-11 ^{and} 12
Sand, Rolling. |

BOOK 167

T14.N.R 23 E G & S R M

chs

Soil. 3rd rate Good grazing
Timber Dense Juniper

C. M. Carson Comptroller
Dec 18th 1882.

From the cor to see's 3.4.33 ^{and 34}
on the South Side Sp. recently
re-established by me

Down.

North Int. see's 33 ^{and 34}

to 13° 42' E.

Over rolling surface

40.00

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

T14 N R 23 E Q & S R M

Chs

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 27-28-33³⁴ marked T. 14 N S. 27. on N. E. R. 23 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 notch ~~es~~ on E. edges, dug pits 13 x 13 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft, high. 4½ ft. base. around post.

Land Rolling

Sail. 2nd sale good grazing
Timber - Scatterin Juniper

N 89° 06' E on a random line
bet. sec's 27^{and} 34
to 13° 42' E

Descend gradually

25.00 Inlet flat near N

40.00 Set a temporary 1/4 sec cor

50.00 Leave flat and ascend gradually

T14.N.R 23 E G & S R M

Obs.

^{Line 1}
 Through ^{line} timber
 80.26 Intersect N. 1/2 S line 14 lks
 North of cor to sees 26.27.34 ^{and 35}
 Thence S on
 N 89° 12' W. on a true line
 to sees 27 ^{and 3} & corner 2a

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

80.26 To cor to sees 27.28.33 ^{and 34}
 Land. flat & rolling
 Soil, 8th row, good growing
 Timber Scattered ^{and} Juniper

North to sees 27, ^{and} 28
 on 13° 42' E
 Over rolling surface

T14 N. R 23 E G & S R M

chs

- | | |
|-------|---|
| 21.15 | Descent bluff 20 ft high
bears $N 40^{\circ} E$. |
| 28.00 | Leaves timber E & W |
| 37.50 | Cross sag bears $N 38^{\circ} E$ & ascends |
| 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. |
| 44.70 | Enter ^{dense} timber bears $N 70^{\circ} E$ &
$S 70^{\circ} W$. |
| 47.20 | Top of Spur 50 ft high bears
$N 65^{\circ} E$. & descends |
| 51.00 | Leaves dense timber bears
$N 70^{\circ} E$ & $S 70^{\circ} W$. |
| 76.00 | Cross sag, bears $N 63^{\circ} E$ |
| 80.00 | Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
21, 22, 27 & 28 marked T. 14 N S. 22 on
$N. E. R. 23 E$ S. 27 on $S. E. S$, 28 on
S, W , and $S, 21$ on N, W , face, with 2 notch |

BOOK 167

T14.N.R 23 E G & S R M

Chis

es on S, and E notch es on E edges. dug
pits 18 x 18 x 12 ins. in each Sec. 7 1/2' dist.
and raised a mound of earth 2 ft, high. 4 1/2 ft.
base. around post.

Land. Rolling
Soil, 2nd rate - Good farming
Timber Scattering Juniper.

N 89° 06' E on a random line
bet. sees 22nd & 27

to 139 42' E

Ascend gradually.

35:00 Cross Ridge bears N 78 and
descend gradually

40:00 Set a temporary 1/4 sec. cor

45:00 Cross wash bet N.

53:00 Enter ^{double} timber bears N 45° E.

70:00 Bear same base N. 78

80:00 Intersect N 78 line 28 lbs N

T14 N. R 23 E G & S R M

chs

of the cor to sees 22. 23 26
and 27.

Thence I run
S. 89° 18' W on a true line
bet sees 22 ^{and 27} same way

40.26

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 \angle face, dug pits 18 x 18 x 12
ins. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft, high. 3 $\frac{1}{2}$ ft. base. around
post. from which

A Juniper 10 ins diam here
N 10° E. 81 lks dist.

Marked $\frac{1}{4}$ S. B. T.

No other trees in limits'

80.52

To cor w sees 21. 22. 27 ^{and 28}

Sand. Rolling

Soil. 2 nd \times 5 th \times 10 th \times 15 th \times 20 th

Trunks. Scattered Juniper

HOOK 167

T14.N.R 23 E G & S R M

chs

North It sees 21 ^{and} 22.

Ja 13:42' E

5:20 Enter timber bear N 60° E.

8:30 Leave dense timber bear N 60° E
and S 60° W.

12:17 Top of spur 40 ft. high bears N 60° E
and S 60° W.

27:00 Cross sag. Co N 60° E.

40:00 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins. in the ground for 1/4 Sec, Cor,
marked 1/4 S. on W face, dug pits 18 x 18 x 12
ins. N and S. of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around
post. from which

A Juniper 12 ins diam bear
N. 17° E 2.40 lks dist

Marked 1/4 S. B. T. no other trees in limits

45:08 Top of spur 40 ft. high bears
N. 16° E N 16° W

49:30 Cross sag bears N 5° W.

65:00 Enter dense timber bears N 60° E

T14 N. R 23 E G & S R M

Chs

76.00 Lean dense timber
 base N. 63° E.

80.00 Set a post 4 ft. long 4 ins. square, with marked
 stone, 12 ins, in the ground for Cor, to Secs,
 15, 16, 21 ⁴ 22 marked T. 14 N S. 15 on
 N. E. R. 23 E S. 2 2 on S. E, S. 2 1 on
 S, W, and S, 16 on N, W, face, with 3 notch
 es on S, and 3 notch es on E. edges, dug
 pits 13 x 13 x 12 ins. in each Sec., 5 1/2 ft. dist.
 and raised a mound of earth 2 ft, high. 4 1/2 ft.
 base. around post.

Land Rolling
 Soil. 8th rate - Good grazing
 Timber scattering juniper

3/8 9006' E on a random line
 bet-sec's 15 ⁴ 22

ca 13° 42' E

Asens gradually

T14.N.R 23 E G. & S R M

cks:

27.00 Crossed track Co. N. ^{and} acc'd.

40.00 Set a temporary 1/4 sec cor

79.91 Interest N.T.S line 49 lbs
North of cor to sees 14, 15, 22 ^{and} 23

Thence down

S 89° 27' W on a true line to
sees 15 ^{and} 22. same as39.26 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/4 Sec. Cor,
marked 1/4 S. on N face, dug pits 18 x 18 x 12
ins. E and W of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around
post. from whichA Juniper 6 in. diam tree
N 10° E. 20 cks dist. Marked
1/4 S. B. T.A Juniper 6 in. diam tree
S 82° E. 49 lbs dist Marked 1/4 S. B. T.
Land. RollingSoil, 2nd rate. Good grazing

Timber - Scattering juniper

T14.N.R 23 E G. & S R M

chs

- North lot-sec's 15^{and} 16
- bears $\text{to } 13:42' \text{ E}$
- Over flat $\text{to } 115^\circ \text{ E}$.
- 19.00 Top of spur 30ft high bears
- 112° E & 1812° W and descend
- 31.00 Cross sag. bears 116° E ^{ascend}
- 38.00 Top spur 40ft high bears 115° E
- 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 $18 \times 18 \times 12$
- 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. From which
- A Juniper 12 ins diam
- bears 1148° W . Marked $\frac{1}{4}$ S. B. T.
- No other trees in limits.
- 53.00 Cross sag bears 117° E and ascend
- 70.00 Top of spur 40ft high bears
- 120° E ^{and} 120° W and descend
- 80.00 Set a post 4 ft. long 4 ins. square, with marked
- stone, 12 ins, in the ground for Cor, to Secs,
- 9.10.15^{and} 16 marked T14²¹ S. 10 on

T14 N. R 23 E G & S R M

ch
 N. E. R. 23 E S. 15- on S. E, S, 16 on
 S, W, and S, 9 on N, W, face, with 4 notch
 es on S, and 3 notch es on E. edges, dug
 pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dia.
 and raised a mound of earth 2 ft. high 4 1/2 ft.
 base. around post. from which

A juniper. 12 ins diam near
 S 30° E. 105' lbs dia

Marked T. 14 N. R 23 E. S. 15. B. T.
 No other trees within limits
 Sand. Rollway

Soil, 3rd rate. Good grazing
 Timber. A. Dancer, juniper

7
 N 89° 06' E on a random line
 bet sec's 10^{and} 15-

dia. 13° 42 E

Over rolling surface.

23.00 Top of Spur 28 ft bears N 17° E

31.00 Cross sag bears N 23° E

32.50 Cross wash 16 lbs with es N. E.

T14.N.R 23 E G. & S R M

chs

- 40.00 Set a temporary $\frac{1}{4}$ sec cor
- 79.72 Intersect N. & S line 5 lks
North of cor to sees 10.11.14^{quads}
Thruer Quad.
S 89.08' W on a tree line
at sees 10^{quads} 15, same rd
- 39.86 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 $\frac{1}{2}$ face, dug pits 18 x 18 x 12
ins. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft, high. 3 $\frac{1}{2}$ ft. base. around
post.
- 79.72 To cor to sees 9.10.13^{quads} 16
Land. Rolling & broken
Soil. 3rd soil. Good grazing
Timber. Scattered juniper

ECC 167

T14 N. R 23 E G & S R M

Chs

North lot sees 9 and 10

La 13:42'E

Over rolling surface

40.00

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

A Juniper 10 ins diam bears

S 45° E. 1.17 chs dist. Marked 1/4 S.S.

55.00

~~No other bears in locality~~
Cross Spur 40 ft-high bears

N 30° E. and descend

74.00

Cross sq. bears N-35° E. ascend

98.70

Top spur 33 ft-high bears N 48° E

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Sees, 3-4-9 and 11 marked T. 14 N S. 3 on N. E. R. 23 S. 10 on S. E, S, 9 on S, W, and S, 4 on N, W, face, with 5 notch on S, and 6 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.

T14. N. R 23 E G & S R M

Chs

and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft.
base. around post.

Land. Rolling

Soil. 2nd rate. Good grazing

Timber. *Desmodium illinoense*

$N 89^{\circ} 06' E$ on a random line
at 225 ft $S 24^{\circ} 10'$.

$Ea 13^{\circ} 42' E$

Gradual descent,

23.00 Cross timber line $N 1^{\circ} 8'$

30.00 Enter flat. $N 6^{\circ} E$.

40.00 Set a temporary 4222 cor

47.00 Cross mark Co $N 3\frac{1}{2}^{\circ} E$.

57.00 Ascend slope $N 7\frac{1}{2}^{\circ} E$ $S 89\frac{1}{2}^{\circ} W$

62.00 Enter dense timber line $N 1^{\circ} 8'$

68.00 Top of hill. 225 ft high $N 5^{\circ} E$ $S 86^{\circ} W$, and descend

T14.N.R 23 E G & S R M

cls

- 78.00 Lean dense timber bears 4
- 79.57 Intersect N.T.S line 23 lks
South of cor to see's 2-3
10^{and} 11. Thence S run
S 88.56' W on a true line
bet see's 3^{and} 10. same ea.
- 39.78 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 and W
of stone 5 ft. dist. and raised a mound of earth
1 $\frac{1}{2}$ ft. high. 3 ft. base. alongside.
- 79.57 To cor to see's 3. 4. 9^{and} 10
Land. Rolling
Soil. 8th run, Good grazing
Timber. 3rd Denise, Juniper.

North on a sand on line bet.
see's 3^{and} 4.

W 13. 42' 8

T14 N. R 23 E G & S R M

chs

- 40.00 Over rolling surface
Set a temporary $\frac{1}{4}$ sec. cor.
82.60 Interest $\frac{1}{4}$ Bdy Sp. 60 lks
East of the cor to sec's 3-4
33 $\frac{3}{4}$ 34, recently re-established
by me.
There is now
S $10^{\circ} 26'$ E on a true line bet-
see's 3 $\frac{1}{4}$ and 4. same val.
- 42.60 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. from which
A juniper $8\frac{1}{2}$ ins diam bears
S $7\frac{1}{2}^{\circ}$ E. 33 lks dist
Marked $\frac{1}{4}$ S. B. T.
No other trees in limits
- 82.60 To cor to sec's 3. 4. 9 $\frac{3}{4}$ 10
Land. Rolling.

T14. N. R 23 E G & S R M

chs

Soil. 3rd rate Good grazing
Timber. Dense Juniper Bush

I carefully examined the
adjustments of my solar
compass to day, particularly
the latitude and reversing
a part and ^{and} found them
correct.

A. P. Johnson

Dec 19th 1882

From the cor to see's ^{4.8'}~~3.4~~.32
and 33 on the S. Boy Top.
recently re-established by me
I run

North lat-see 32 ^{and} 33

80° 13' 42" E

Over rolling surface

T14 N. R 23 E G & S R M

chs

40.00

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

44.00

Cross sag trans 28° E ^{and} ^{dissected}

57.00

Top of spur 33 ft high trans $29\frac{1}{2}^{\circ}$ E. and dissected

60.00

Cross sag trans 31° E

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 28, 29, 32 & 33 marked T. 14 *N* S. 28 on N. E. R. 23 *S* S. 33 on S. E, S, 32 on S, W, and S, 29 on N, W, face, with 1 notch on S, and 4 notch ~~on~~ 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. from which

A Juniper. $9\frac{1}{2}$ ins diam base $S 5^{\circ} N. 26$ lks dist.

Marked T 14 *N*. R 23 E. S. 32, 33.

T14.N.R 23 E G & S R M

chs

A Juniper 30 in diam base
S. 40° W. 80 lbs dist.

Marked T14.N.R 23 E. S. 32 B. T.

A Juniper 8 in diam base $110^{\circ} \frac{1}{2}$ W
57 lbs dist

Marked T14.N.R 23 E. S 29. B. T.

No other trees in limits

Soils. Rolling.

Soil: 3rd rule. Good growing
Timber. No use Juniper

$189^{\circ} 06'$ on a random line
1st sec 28th and 33

2nd $13^{\circ} 42'$ E

Over rolling surface

40.00 Set a temporary 14 sec cor

57.00 Cross sag. base 180° E. and ascend

63.00 Top of spruce base 110.30° E 2 ft
high and descend

65
55

T14 N. R 23 E G & S R M

Chs

80.04 Intersect $\frac{1}{4}$ + S line 6 lks
W of cor to sees 27.28.33 ^{and 34}
Thence down.

S 89° 08' W on a true line to
sees 28 ^{and} 33. same ed.

4002 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 $\frac{1}{4}$ face, dug pits 18 x 18 x 12
ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
post. from which

A Juniper 8 $\frac{1}{2}$ ins diam near
N 43° W. 37 lks dist Marked 14 S.P.S.

No other trees in limits
80.04 To cor to sees 28.29.32 ^{and} 33

Land. Rolling.
Soil, 8th rate Good grazing
Timber dense; Juniper.

114. N. R. 23 E. G. & S. R. M.

chis

North let sees 28nd 29th
ca 13° 42' E

Rolling surface

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

A Juniper 12 ins diam bears
S. 30° W. 38 lbs dist

Marked 1/4 S. B. T. no other trees in line

53.70 Enter flat bears 112° E.

36.20 Lean dense timber bears 115° E

80.00 Set a Sand stone 20 x 15 x 4 ins, 15 ins in
the ground for Cor. to Secs. 20-21. 28th 29th marked
with 2 notches on S. and 4 notch on E. edges.
dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft.
dist. and raised a mound of earth 2 ft. high.
4 1/2 ft. base. alongside. from which

A Juniper 12 ins diam bears 1158° 8

~~67~~
57

BOOK 167

T14.N.R.23 E G & S R M

Chs

108 lbs dist

Marked T. 14 N. R. 23 E S. 2,

B. T.

A Juniper 15' in diam base

N 68° W. 176 lbs dist

Marked T. 14 N. R. 23 E. S. 20 B. T.

No other trees in limits -

Soil. Rolling.

Soil; 2nd rate. Good grazing

Timber. Dense Juniper

N 89° 06' E on a random line

at sec 21 ^{and 28}

N 13° 42' E

Over level surface

27.00

Top of Spur 45 ft high base

N 15° E

29.00

Entire level timber base N. S.

40.00

Set a temporary 1/4 sec cor

T14.N.R 23 E G & S R M

57.20 Saw dense timber bear N 45° E

79.85 Intersect N. V. S line 16 lbs

So far to see's 21.22.27^{and} 28

Thence I run.

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

79.93

Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $\frac{1}{4}$ Sec. Cor,
marked $\frac{1}{4}$ S. on N face, dug pits 18 x 18 x 12
ins. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. around
post. No trees in limits.

79.85-

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

Land rolling.

Soil, 2nd rate, Good growing
Timber. Scattering Juniper

69
59

BOOK 167

T14. N. R 23 E C & S R M

chs

North lot sees 20^{and} 21
 on 13° 42' E
 Our flat surface
 Enter Deuse corner
 N 40° E.

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

A jumper 12 mi. down base S
 5° 6' 12" W. 45 lbs dist. Marked
 1/4 S. B. T. No other survey limits

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

T14.N.R.23 E G & S R M

Chs

Sand. Rolling

Soil, ~~not~~ ^{not} ~~not~~ ^{not} good grazing
Timber. ~~None~~ ^{None} Juniper.

1
 N89° 06' E on a random line
 bet sees 16 ^{and 21}
 to 13° 42' E

Descending gradually.

40.00 Set a temporary 1/4 sec cor.

54.00 Cross sag. line N.E. and ascend

60.00 T.p. of spur 20 ft. high trans N.E.

76.00 Cross sag. line N.E.

79.62 Intersect N78 line 25 lbs S
of cor to sees 15, 16, 21 ^{and 22}

Thence I run

S 88° 55' W on a true line bet
sees 16 ^{and 21}. same wt.

39.80

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

71
61

BOOK 167

T14 N R 23 E G & S R M

chs

ins. *S* and *W* of post 5½ ft. dist. and raised
a mound of earth 1½ ft, high. 3½ ft. base. around
post.

79.60

To cor to sees 16. 17. 20^{and} 21
Land. Rolling
Soil, 5th rate. Good grazing
Timber Scattering Juniper

North of sees 16^{and} 17
In 13° 42' E

40.00

Over rolling surface
Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for ¼ Sec, Cor,
marked ¼ S. on *N* face, dug pits 18 x 18 x 12
ins. *N* and *S* of post 5½ ft. dist. and raised
a mound of earth 1½ ft, high. 3½ ft. base. around
post. from which
A Juniper 15-ins diam brass
S 24° N. 77 lbs dist
Marked ¼ S. B. T.
No other trees in vicinity

T14. N. R 23 E G & S R M

Chas

80,00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor, to Secs, S. 9. 16⁴⁰ 17 marked T. 14 N S. 9 on N. E. R. 23 E S. 16 on S. E, S, 17 on S, W, and S, 8 on N, W, face, with 4 notch ~~on~~ on S, and 4 notch ~~on~~ 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. around post. from which

A Juniper. 12 ins diam base
N. 58° E. 48 lbs dist
Marked T. 14 N. R 23 E. S. 9. B. T.
A Juniper 15 ins diam base
S 45° W. 120 lbs dist
Marked T. 14 N. R 23 E. S. 17 B. T.
No other trees in limits
From this cor Jarawillo's Ranch
base N. 24½° E. 7. 97. chs dist
Laud. Rolling &
Soil. 2d rate Good growing
Timber Dense purple

T14.N.R 23 E G & S R M

chs

$289^{\circ} 06'$ Coxa random line bet
secs 9^{and} 16.

bx $13^{\circ} 42'$ E

Over rolling surface

27.00 Cross sag bars $N. 44^{\circ}$ Eawased

40.00 Set a temporary $1/4$ sec cor

48.00 Top of spur 40 ft high bars $N. 17^{\circ}$ E

58.00 Descent slope bars $N. 17^{\circ}$ E

76.13 Enter flat bars $N. 12^{\circ}$ E.

79.94 Intersect $N 13$ line 12 lbs
South of cor to sec's 9, 10,
15^{and} 16. &

Thence I run

$89^{\circ} 01'$ W in a true line bet
secs 9^{and} 16 same val.

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

T14.N.R 23 E G & S R M

Obs

79.94 To cor to sees 9, 10, 15 ^{and} 16.
 Land. Rolling.
 Soil, 3rd rate. Good grazing
 Timber. Scattering Juniper

North lot sees 8 ^{and} 9

to 13° 43' E

Over rolling surface

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. From which

A Juniper 8 ins diam near
 base N $84\frac{1}{4}$ ° E. 2 1/2 lbs dist
 Marked 1/4 S. B. T.

No other trees in limits

69.50 Decid. Bluff. 70 ft high base

75
65

BOOK 167

T14 N. R 23 E G. & S R M

chs

74.20
80.00

N 70° E
Cross ray bears N 15° W
Set a Sand' stone 30x20x4 ins, 2 ins. in
the ground for Cor, to Secs, 4, 5, 8 ^{and} 9 marked
with 6 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. from which

A Juniper 700 is diam bears S 6 1/2° W
39 lbs diet, Marked T14 N. R 23 E
S. & B. T. No other trees in limits
Sand. Rolling
Soil, 8th val; Good grazing
Timber. Dense Juniper

N 89° 06' E on a random line
bet. sec's 4 ^{and} 9.

In 13° 42' E
Ascend gradually

T14.N.R 23 E G. & S R M

Chs

- 2.10 Tip of Spur 58 ft high bears
N 20° W. and ascend.
- 7.10 Cross Sag bears N 6 1/2° E
- 12.00 Ascend broken slope bears N 12° E
- 15.00 Leave dense timber bears N 18° E
- 40.00 Set a temporary 1/4 sec cor
- 47.50 Enter dense timber bears N 45° E
- 52.00 Top of ridge bears N 15° E. 200 ft high.
- 65.00 Descend gradually
- 80.26 Intersect N 48 line 46 lbs
North of cor to see 3, 4, 9^{and} 10
Thence Drive.
S. 89° 26' W on a true line
Set sec's 4^{and} 9. Same ea.
- 40.13 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/4 Sec, Cor,
marked 1/4 S. on N face, dug pits 18 x 18 x 12
ins. E and W of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around
post.
- 80.26 To cor to see's 4, 5, 8^{and} 9

77
67

BOOK 167

T14.N.R 23 E G & S R M

chs

Lands. Rolling
Soil, 2nd + 8th rate Good grazing
Dense Juniper timber

Went on a ransom line set -
see 4th 5th ...
ca 13° 42' E

4.41 Top of spur 60ft high bears
N 20° W 78 20° E.

7.53 Grass. Dense timber bears N 8° E
83 80° W.

8.15- Enter flat here N. 44° W

40.00 Set a temporary 1/4 sec cor

58.00 Top of spur 80 ft high bears N 70° E
& proceed.

67.00 Cross sag. bears N 67° E -

83.45- Intersect N. Boundary of Sp. 13 lbs
East of cor. to see 4.5-32nd 33
recently re-established by one

T14.N.R 23 E G & S R M

ch's

Thence down,

So: 6' 8" on a true line 44 sec's
4^{and} 5, same ea,

43-45- Set a sand stone, 14 x 12 x 4 ins., 9 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.

83-45- To cor to sec's 4. 5. 32^{and} 33.

Sand. Rolling.

Soil ~~2nd 3rd~~ rate. Good grazing
Timber. Dense Juniper.G. M. Carson Comptroller
Dec 19th 1882

79
69

BOOK 167

T14, N. R 23 E G & S R M

Chs

From the cor to sec 31, 6, 31^{and} 32
on the 8th Boring Sp recently
re-established by me

Iron.

North let sec 31^{and} 32

to 13° 42' E

25.00

Cross sag to N 20° E and sec 32

29.00

Top of spur 40 ft high bears N 30° E
and S. 30° W. and sec 32

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.

62.00

Cross sag. bears N. 25° E.

80.00

Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
29.30-31^{and} 32 marked T. 14 N S. 29 on
N. E. R. 23⁸ S. 32 on S. E, S, & 7 on
S, W, and S, 30 on N, W, face, with 1 notch
on S, and 5 notches on E. edges, dug

T14. N. R 23 E G. & S R M

chs

pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist.
and raised a mound of earth 2 ft. high. 4 1/2 ft.
base. around post. from which

A Juniper 10 1/2 ins diam base
base S 48 1/2° W. 2.17 chs dist.

Marked T14 N. R. 23 E. S. 31 B. T.

No. other trees in limits.

Leaves. Rollinia?

Soil, str. calc. Good grazing

Timber. Dense Juniper.

N 89° 06' E on a random line lat.
secs 29th & 32.

W 13° 42' E

18.12 Same dense timber base N. 15

4.00 Set a temporary 1/4 sec cor

67.00 Clear timber base N 40° E.

39.48 Intersect N 7.3 line 23 chs

North of cor to sec 28 29 32nd 53

T14.N.R 23 E G & S R M

chs

- These I run
S. 89° 16' W on a ~~measured~~
bet sees' 29^{Aug} 32. same as
- 59.74 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ S. on N face, dug pits 18 x 18 x 12
ins. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base. around
post.
- 79.48 To cor to see's 28-29. 32^{Aug} 83.
Lands. Rolling
Soil. 8th rate, good grazing
Timber. Deuce jumper
A.P. Johnson Dec 20th 1882.
-
- S 89° 06' W on a random line
bet sees' 30^{Aug} 31.
In 13° 42' E
- 6.50 Cross. sag bars N. 15' E.
- 12.00 Top of spur 40 ft high bars

T14.N.R 23 E G. & S R M

chs

- 24.00 $N 17\frac{1}{2}^{\circ} E$ and $S 17\frac{1}{2}^{\circ} W$, ^{and descend}
 cross sag bars $N 18^{\circ} E$.
- 37.00 Top of Spar 47 ft high bars
 $N 20^{\circ} E + S 20^{\circ} W$, and descend
- 40.00 Set a temporary $\frac{1}{4}$ sec cor
- 43.10 cross sag course $N 21^{\circ} E$
- 87.30 Intersect N. Boundary. Top
 45-lbs N. of cor to sees 25:30
 31 ^{and} 36, recently re-established
 by me.
- These I run
 $N 88^{\circ} 47'$ East in a ~~random~~ ^{true}
 line N-sees 30 ^{and} 31 same ea
- 47.30 Set a post 3 ft. long 3 ins. diam with marked
 stone, 12 ins, in the ground for $\frac{1}{4}$ Sec, Cor,
 marked $\frac{1}{4}$ S. on N face, dug pit 18 x 18 x 12
 ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base. around
 post, from which
 a ^{runner} 12 ins. diam runs $S 15^{\circ} W$, 75-lbs dist marked 24.8, B, V.
 a ^{runner} 12 ins. diam runs $S 15^{\circ} W$, 75-lbs dist marked 24.8, B, V.
- 87.30 E. cor to sees 29.30, 31 ^{and} 32
- Sand, Rolling

~~88~~
73

T14 N R 23 E G & S R M

cks

Soil, 8th zone Good prairie
Timber. Dense Juniper
G. M. Carson Carpassanum
Dec. 20th 1882

North lot sec's 29 ^{and} 30
Va 13. 42' E

Over rolling surface.

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 \mathcal{N} face, dug pits 18 x 18 x 12
ins. \mathcal{N} and \mathcal{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. from which

A Juniper 12 ins diam bears S 45° E
30 lbs dist. Marked $\frac{1}{4}$ S. B. T.
No other trees in limits.

80.00

Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
19.20.29 ^{and} 30 marked T. 14 \mathcal{N} S. 20 on
N. E. R. 23 E S. 29 on S. E. S. 30 on

T14.N.R 23 E G & S R M

cho

S, W, and S, 19 on N, W, face, with 2 notch
 es on S, and 6 notch es on E. edges dug
 pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.
 and raised a mound of earth 2 ft. high. 4 1/2 ft.
 base. around post. no trees in limits

Land. Rolling

Soil. 8th soil. Good growing
 Timber. Dense Juniper

N 89° 06' E on a random line
 bet sees 20^{and} 29.

to 13° 42' E

Over. rolling surface

12.00 Reseek gradual slope bears
 N 12° E and S 12° N.

40.00 Set a temporary 1/4 sec cor

63.00 Bear dense timber bears N. 15

67.00 Enter flat bears N 12° E

79.92 Intersect U. S. line 5. chs. S.

T14. N. R 23 E G. & S R M

chs

of cor to sees 20. 21. 28^{and} 29.

Thence I run

S 89° 14' W on a true line bet -

sees 20^{and} 29. same rd

39. 26

Set a sandstone 30 + 20 + 4 ins

22 ins in the ground for 1/4

see cor. marked 14 in W

face. and raised a snow

stone alongside. This

impracticable from which

A Juniper 12 ins diam base

S 6° W. 21 lbs dist. Marked 14 S.R.S.

No other trees in limits

7992

To cor to sees 19. 20. 29^{and} 30

Lead. Rolling

Soil 3rd soil. Good growing

Timber. Dense Juniper

T14. N. R 23 E G. & S R M

chs

S 89° 06' W on a random line
 Set sec's 19^{and} 20.

to 13° 42' E

Over rolling surface

40.00

Set a temporary 1/4 sec cor

87.85-

Intersect N Bdy Sp 12 lbs

N of cor to sec's 19. 24. 25^{and} 30
 recently re-established by

me. Thence run

N. 89° 01' E on a true line

Set sec's 19^{and} 20 same as

47.85-

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

87.85-

To cor to sec's 19-20-29^{and} 30

Land. Rolling

Soil. 3rd year good grazing

Timber. Scattering juniper

T14 N. R. 23 E G & S R M

G. M. Carson Comptroller
Dec 21st 1882

North lot-sec's 19^{and} 20
W 13° 42' E

Over rolling surface

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. from which

A Juniper 20 ins diam has
S 15° N. 46 lbs dist marked $\frac{1}{4}$ S. B. S.

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 17. 18. 19^{and} 20 marked T. 147 S. 17 on N. E. R. 23 S. 20 on S. E. S. 19 on S, W, and S, 18 on N, W, face, with 3 notch 20 on S, and 6 notch 20 on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.

T14.N.R 23 E G & S R M

and raised a mound of earth 2 ft, high. $4\frac{1}{2}$ ft.
base. around post.

Land. Rolling

Soil. 3rd class. Good grazing

Timber. Scattered Juniper

$N 89^{\circ} 06' E$ on a random line
bet sees 17 ^{and} 20

$N 13^{\circ} 42' E$

usual ascent

40.00 Set a temporary $1/4$ sec cor

65.00 Top of hill 115 ft. high near
 N ^{and} S

80.12 Intersect N. T. S line 18 lbs N
of cor to sees 16, 17, 20 ^{and} 21.

Thence down

$S 89^{\circ} 14' N$ on a true line bet
sees 17 ^{and} 20. same cor

T14 N. R 23 E G & S R M

chs

40.06

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 \swarrow face, dug pits 18 x 18 x 12 ins. E and \swarrow of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around post.

80.12

To cor to sees 17, 18, 19 ^{and} 20
Sand. Rolling
Soil, 8th rate. Good farming
Timber Scattered Juniper
A. S. Johnson Dec 20th, 1882

889.06 Won a random line
bet sees 18 ^{and} 19
In 13'. 42' E

Descent

35.00

Cross sag bars \swarrow 50° E

40.00

Set a temporary $\frac{1}{4}$ sec cor

65.00

Top of hill 50 ft high bars \swarrow 50° E

88.63

Intersect \swarrow Boundary \swarrow P

T14. N. R 23 E G & S R M

cho

34 lbs S. of cor to sec's 13, 18, 19
and 24, recently re-established
by me.

Thence down

N. 89° 21' E on a meeline to

sec's 18^{and} 19. Same as

48. 63 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for $\frac{1}{4}$ Sec, Cor.
marked $\frac{1}{4}$ S. on N face, dug pits 18 x 18 x 12
ins. E and W of post 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft, high. 3 $\frac{1}{2}$ ft. base. around
post.

88. 63 To cor to sec's 17, 18, 19, 20.

Soil. Rolling ^{and} broken

Soil. S. B. soil, well; good grazing

Timber. Scattering Juniper

North to sec's 17 ^{and} 18

to 13° 42' E

Ascend

~~91~~
81

T14. N. R 23 E G & S R M

chs

26.00 Top of spur 65 ft. high bears
2160° E.

40.00 Set a sand stone, 24 x 18 x 12 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. from which

A Juniper 5' in diam bears
S 45° W. 23 lbs dist
Marked 14 S B. T.

No other trees in limits

57.00 Leave timber bears E & W.

80.00 Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs,
7. 8. 17 ²⁴ 18 marked T. 14 N S. 8 on
N. E. R. 23 E S. 17 on S. E, S, 18 on
S, W, and S, 7 on N, W, face, with 4 notch
on S, and 5 notch on E. edges, dug
pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist.
and raised a mound of earth 2 ft. high. 4 $\frac{1}{2}$ ft.
base. around post.

T14. N. R 23 E G & S R M

Ch's

Land. Booked
Soil. 2nd rate Good farming
Timber Scattered Juniper

N 89° 06' E on a random line
bet sec 8th & 17.

In 130 42' E

Descend slope

37.00 Cross sag bars N 37° E

42.00 At a temporary 1/4 sec cor

45.00 Ascend bluff bars N 60° E

56.00 Top of same 75 ft. high bars N 60° E

80.46 Intersect N. S. line 31 lbs S
of cor w sec's 8, 9, 16th & 17.

Thence down,

S 88: 53' N. on a line bet.
sec's 8th & 17. same rd

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

98
83

BOOK 167

T14.N.R 23 E G & S R M

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

80.46 Top cor to sees 7. 8. 12th 18
Sand Rolling.
Soil; 84th rate. Good grazing
Timber. Scattering Juniper

S 89° 06' W on a random line
bet sees 7th 18.

at 13° 42' E

1.40 Cross mark to N 25° E end of end

11.00 Entry Scattering timber to see 178

46.00 Set a trap 1/4 sec cor

75.00 Top of hill 9.0 ft high to see 117° W

89.06 Intersect at Biny Top 4 lbs S. of
cor to sees 7. 12. 13th 18. recently

re-established by me
Thence I run.

T14. N. R 23 E G & S R M

N. 89° 18' E on a true line
Set - sec 7 ^{9/18}

Pa 13° 42' E

49.06

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

89.06

To the cor to sec 7 ^{9/18}
Land, Rolling & broken
Soil, Sandy & shale. Good grass
Timber. Scattered Juniper
E. M. Carson Comptroller

Dec 20th 1882

North to sec 7 ^{9/18}

Pa 13° 42' E

9.00

Cross mark to N 27° E

4 95-
85
8

BOOK 167

T 14 N. R 23 E G. & S R M

chs

18,000 Top of hill 30 ft high bears
N 30° E and descends

40,000 Set a post 3 ft. long 3 ins. diam with marked
stone, 12 ins, in the ground for 1/4 Sec, Cor,
marked 1/4 S. on W face, dug pits 13 x 18 x 12
ins. N and S of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft, high. 3 1/2 ft. base. around
post.

80,000 Set a post 4 ft. long 4 ins. square, with marked
stone, 12 ins, in the ground for Cor, to Secs.
5, 6, 7, 8 marked T. 14 N S. 5 on
N. E. R. 23 S. 8 on S. E, S, 7 on
S, W, and S, 6 on N, W, face, with 6 notch
on S, and 5 notch on E. edges, dug
pits 13 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.
and raised a mound of earth 2 ft, high. 4 1/2 ft.
base. around post. from which

A Juniper 8' in diam bears
S 82° E. 44 lks dist

Marked T. 14 N. R 23 E S 8. B. T.

A Juniper 8' in diam bears N 45° W
52 lks dist. Marked T. 14 N. R 23 E S. 6

T14.N.R 23 E.G. & S.R.M

chs

No other trees within limits
 Land Rolling,
 Soil, 2nd rate. Good grazing
 Timber Scattered Juniper

789.06' E on a random line pt.
 sees 5' ^{and} 8.

to 15°. 42' E

Descending Gradually

19.00

Enter Dense timber here
 N. V. S.

33.00

Leave Dense timber near N. V. S.

35.00

Cross wash 12 lbs wide to N

40.00

Set a temporary 1/4 sec cor

75.30

Enter dense Juniper timber
 here N 8° E

80.10

Intersect N. V. S. line 15 lbs South
 of cor to sees 4, 8, 8 ^{and} 9.

Thence I run.

889.00' W on a true line pt

~~97~~
87

BOOK 167

T14 N R 23 E G & S F M

chs

40.05- see's 6^{and} 8. same rd
 Set a sand stone 24x16x4 ins
 18 ins in the ground for '14
 see cor marked '14 on N
 face. ^{Aug.} raised a mound stone
 along side E. Pils not practical

80.10 To cor to see's 5, 6, 7^{and} 8.

Sand Rolling

Soil 3rd rate, good grazing
 Timber, Dense Juniper
 A P. Johnson

Dec 20th 1882

S 89° 26' W on a random line
 Set see's 6^{and} 7.

In 13° 43' E

Across flat

18.00 Cross mark (ev N.E.)

40.00 Set a temporary '14 see cor

T14. N. R 23 E G & S R M

chs

- 58.00 Enter timber line $N 25^{\circ} E$ and ascend.
- 60.00 Top of hill 20 ft high $N 15^{\circ}$ and over table land
- 89.38 Intersect $N B$ of $Tp 35$ the N of cor to see's 1, 6, 7 and 12. recently re established by me
Thence I run $N. 88. 31' E$ on a true line to see's 6 and 7. same as
- 49.38 Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on N face, dug pits 18 x 18 x 12 ins. E and W of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft, high. $3\frac{1}{2}$ ft. base. around post.
- 89.38 To cor to see's 5, 6, 7 and 8.
Sand Rolling
Soil, 2nd soil - Good growing
Timber. Scattered Juniper

99
89

BOOK 167

T14.N.R 23 E G & S R M

chs

North on a random line 7th -
see's 5th and 6.

to 13° 42' E

31.00 Cross das to 8

38.00 Cross wash 10 lks mid to 7 B.

40.00 Set a temporary 1/4 sec cor

83.90 intersect N B'ing P 18 lks
west of cor to see's 5, 6, 31th & 32nd
recently re-established by me

47

Thence I run

S 0° 8' W on a true line

to see's 6th and 6. same as

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

83.90 To cor to see's 5, 6, 7th and 8.

Sans Rollins

Soil. 2nd run. Good grazing

T14. N. R 23 E G & S R M

Ch's

Trim: Scattering Juniper.

I carefully examined the
adjustments of my solar
compass to day particularities,
the latitude & crossing
apparatus and found them correct
G. M. Cusson Compassman
Dec 20th 1882

TIAN. R 23 E G & S R M

General Description

This Tp for the most part is well timbered, with dense groves of Juniper.

The soil in the flats is well suited for farming purposes and can be classed as 1st & 2nd rate, the soil on the hills and spurs is of a gravelly and sandy nature.

The surface is rolling with but few hills of any height. The whole has a general slope north & W.E.

During parts of the year this Tp. is well watered from the washes flowing through it and when those dry up plentiful water can be found in the flats at from 5 to 20 ft depth.

There is one settler in this Tp

T14.N.R 23 E G & S R M

Breeneis. Jamarillo whose
 residence is in sec 11. and
 his claim the .S. W 1/4 of same
 sec. The improvements are
 1 House for residence
 2 Houses, stable, and granery.
 and a considerable amount of
 fencing.

Value of improvements \$300.00

There is also another tract
 in sec 9.

FOR FINAL CATHS
 SEE BOOK NO. 18.

U. S. Surveyor General's Office,

Tucson, Arizona, November 10, 1883,

The foregoing Field Notes of the Survey of the

Subdivision Lines of
Township 14 North,
Range 23 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by

A. P. Johnson
Deputy Surveyor, under his contract of the 1st of the

day of July, 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.