

No-173

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

- OF -

Township *Sp 14 N* Range *31 E*

Gila and Salt River Base and Meridian

173

ARIZONA.

By *Milton Santee* D. S.

under contract dated *April 29 1882.*

Survey commenced *Aug. 21 1882.*

Survey completed *Aug. 24 1882.*

No-173

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Subdivision lines
T. 14 N. R. 31 E.

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Township *14 N.*
Range *31 E*
Gila & Salt River Meridian

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Gila and Salt River, Arizona.

ARIZONA.

Subdivisions T 74 N. R 91 E.

Gila & Salt River Meridian.
chains

Survey commenced Aug. 21.
1882, with Burts Patent
Improved Solar Compass,
nearly new, and in first
rate order. Made by Otto
Fenmel of Cassel Germany
in 1881.

From the corner to sec.
3.4. 33 x 34 on S. By of Sp.
which is a Sand stone
set firmly in the ground
marked with notches
on E & W. edges, with pits
18 x 18 x 12 ins. in each sec.
5 1/2 ft. dist. with mound of
earth 2 ft. high, 4 1/2 ft. base
along side.

4
BOOK 173
T. 14 N. R. 31 E. continued

chain

Thence I run

North bet. Secs. 33 & 34.

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

ascend

4000 Set a Sandstone $13 \times 9 \times 6$
ins. 9 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N. face, and raised
a mound of stone alongside
Pits impracticable

8000 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
N. 14 N. S. 27. on N. E.
R. 31 E. S. 34 on S. E.
S. 33 on S. W. and
S. 28 on N. W. faces. with

T. 14 N. R. 31 E Continued

chains

3 notches on E and 1 notch on
S. edges, dug pits $18 \times 18 \times 12$
ins. in each sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth 2 ft. high, $4\frac{1}{2}$ ft. base
around pit.

Hand rolling.

Soil 3^d rate

Vegetation

Sagebrush &
Timber of Pine and
cedar.

East on a true line, bet.
secs. 27. & 34.

Var. $13^{\circ}45'E$

lies and gradually

T. 14 N. R. 31 E. Continued

chains

19.41

Intersect Boundary line,
bet. Arizona and New Mexico
at a point which is North
14.07 chs. from the 167th
Mile post and

Set a post, 4 ft. long, 4 in.
sq. with marked stone, 12
in. in the ground, for
closing cor. to Secs. 27 & 34
marked C. C. T. 14 N. R. 31 E.
on N. S. 27 on N. and
S. 34 on S. faces, dug pits
18 x 18 x 12 in. N. S. & N. of
post 5/8 ft. dist. and raised
a mound of earth 2 ft.
high, 4 1/2 ft. base around
post.

Band rolling.

T. 14. N. R. 31 E. Continued

chains

Soil 3^d rate
 Vegetation, Sagebrush.
 Timber of Pine and
 cedar.

North bet. Secs. 27 & 28.

Var. 13° 45' E.

Ascend

22.00 Top of Ridge, to E. W. and
 descend

40.00 Set a sandstone 12 x 8 x 7 ins.

8 ins. in the ground, for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on W. face,

dig pits 18 x 18 x 12 ins. N & S. of
 stone 5' ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base alongside.

T. 14 N. R. 31 E. Continued

chains
47.00
80.00

Cross low Sag and ascend
Set a Sandstone 15 x 9 x 5 ins.
10 ins. in the ground for cor.
to Secs. 21, 22, 27 x 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 1/2 ft. dist. and raised
a mound of earth 2 ft. high
4 1/2 ft. base, alongside,
land unmountainous
Soil 3^d rate

Vegetation, Sagebrush
Number of cedar and Pine.

East on a true line bet. Secs.
22 x 27.

T. 14 N. R. 31 E. continued

chain

Var. $13^{\circ}50'E$

Descend gradually

19.57 Intersect Boundary line,
bet. Arizona and New
Mexico at a point which
br. North, 14.06 chs. from
the 166th Mile post, and
Set apart 4 ft. long, 4 ins. sq.
with marked stone, 12 ins.
in the ground, for closing
cor. to Secs. 22 & 27, marked
C. C. T. 14 N. R. 31 E. on N.
S. 22 on N. and S. 27 on S. faces,
with 4 notches on N. and
2 notches on S. faces, dug pits
18 x 18 x 12 ins. N., S. & W. of post.
5 1/2 ft. dist. and raised a mound
of earth 2 ft. high 4 1/2 ft.

T. 14 N. R. 31 E. Continued

chains

base around post.

hand rolling

Soil 3d rate

Vegetation Sagebrush

Timber of Pine & Cedar.

North bet. sec. 21 & 22

Var. $13^{\circ} 50' E!$

40.00 Descend gradually over Valley
 Set a post 2 ft. long, 3 ins. dia.
 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.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

D. 14 N. R. 31 E. Continued

chains

75.00 Leave Valley bro N. E & S. W.
and ascend.

80.00 Set a post 4 ft. long, 4 ins. sq.,
with marked steel, 12 ins. in
the ground for Cor. 6 Secs.

15. 16. 21 & 22. marked

D. 14 N. S. 15 on N. E.

R. 31 E. S. 22 on S. E.

S. 21 on S. W. and S. 16 on N. W.

faces, with 3 butches on E & S.
edges, dug pits 18 x 18 x 12 ins.
in each sec. 5/2 ft. dist. and
raised a mound of earth
2 ft. high, 4 1/2 ft. base around
post

Land rolling & level

Soil 1 & 2nd rate

Vegetation, Bunchgrass.

BOOK 173

T. 14 N. R. 31 E. Continued

Chains

East on a true line, bet.
secs. 15 & 22.

Var. $13^{\circ}48'E$

Descend gradually

19.90 Intersect Boundary line
bet. Arizona and New
Mexico at a point which
is North 14.60 chs from the
16.5th Mile post. and

Set a Sandstone 11+11+11 ins.

Tim. in the ground for
closing cor. to Secs. 15 & 22
marked C.C. with 3 notches
on E. S. edges, and raised
a mound of stone, alongside
Pt. impassible.

Sand rolling
Soils & rate

T. 14 N. R. 31 E. continued

chain

Vegetation, Punchgrass.

North bet. secs. 15 & 16.

Var. 13° 48' E.

ascend abruptly.

40.00 Set a Sandstone 12 x 12 x 6 ins.
 8 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on NW face,
 dug pits 18 x 18 x 12 ins. N.W.
 of stone 5 $\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base, along-
 side.

80.00 Set a Sandstone 16 x 14 x 12 ins.
 11 ins. in the ground for
 cor. to secs. 9, 10, 15 & 16.
 marked with 4 notches.

BOOK 173

T. 14 N. R. 31 E. Continued

Chains

on S. and 3 notches on E. edges.
dug pits 18x18x12 ins. in each
sec. 5 1/2 ft. dist. and raised,
a mound of earth 2 ft. high,
4 1/2 ft. base along sides.
Land unmountainous.

Soil 2d rate

Number of cedar.

Vegetation, Bunchgrass
Sagebrush.

East on a true line, bet.
secs. 10 & 15.

Var. 13° 54' E.

W. end

19.74 Intersect Boundary line
bet. Arizona and New.

T. 14 N. R. 31 E. continued

Chains

Mexico, at a point which is
North 15.00 chs from the
164th Mile post. and
Set a Sand stone 36 x 24 x 4
ins. 27 ins. in the ground for
blowing cor. to Secs. 10 & 15.
marked b.c. with 2 notches
on N. and 4 notches on S. edges
and raised a mound of
stone alongside, Pits imp-
racticable.

Sand mountains

Soil 3^d rate

Timber of Pine and cedar
Vegetation, Bluegrass &
Sagebrush.

T. 14 N. R. 31 E. Continued

chains

North bet. secs. 9 & 10.

Var. $13^{\circ} 54' E$

descend

22.33 Cross Wash 8 lks wide, course
West, and ascend31.50 Top of Ridge, tr. E & W. and
descend40.00 Set a Sandstone $16 \times 12 \times 10$.ins. 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on W. face, dug pits $18 \times 18 \times 2$
ins. N & 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 whicha Pine 10 ins. dia. tr. East 42 lks dist.
marked $\frac{1}{4}$ S. B. T.A Cedar 20 ins. dia. tr. S. 59° W. 94 lks dist.

D. 14 N. R. 31 E. continued

chains

marked $1/4$ S. B. T.67.50 Cross Wash, 7 lks wide course S. W.
and ascend80.00 Set a post 4 ft. long, 4 ins sq. with
marked stone, 12 ins. in the ground,
for cor. W. Sec. 3. 4. 9 + 10. marked

D. 14 N. S. 3 on N. E.

R. 31 E. S. 16 on S. E.

S. 9 on S. W. and

S. 4 on N. W. faces, with 5 notches
on S. and 3 notches on E. edges,and raised a mound of stone
2 ft. high, $4\frac{1}{2}$ ft. base around
post. Pit impracticable, from which
a Pine tree 10 ins. dia. to N. W. 40 lks dist.

marked D. 14 N. R. 31 E. S. 4 B. T.

a Pine 8 ins. dia. to N. 10° E. 67 lks. dist.

marked D. 14 N. R. 31 E. S. 3. B. T.

T. 14 N. R. 31 E. Continued

chains

a cedar 20 ins. dia. br. S. 64° W. 17' class dist.
 marked T. 14 N. R. 31 E. S. 9 B. T.

a cedar 20 ins. dia. br. S. 27° E. 39' class dist.
 marked T. 14 N. R. 31 E. B. T.

Land mountainous

Soil 2^d rate

Timber of Pine & Cedar
 Vegetation, Bunchgrass &
 Sagebrush.

East, on a ^{true} random line, bet.
 secs. 3 & 10.

Var. $13^{\circ} 50'$ E.

Ascend gradually

19.85 Intersect Boundary line
 bet. Arizona & New Mexico
 at a point which br. North

T. 14 N. R. 31 E. continued

chains

16.13 chs from the 163rd
 Mile post, and
 Set a post 4 ft. long, 4 in. sq.
 with marked stone, 12 in. in
 the ground, for closing Cor.
 to Secs. 3 & 10. marked C. C.
 T. 14 N. R. 31 E. on W.

S. 3 on N. and

S. 10 on S. faces, with 1 notch
 on N. and 5 notches on S.
 faces, dug pits 18 x 18 x 12 in.
 S. N. & N. of post, 5 1/2 ft. dist.
 and raised a mound of earth
 2 ft. high 4 1/2 ft. base around
 post.

and rolling

Soil 3rd date

Vegetation, Bunchgrass

S. 14 N. R. 31 E. Continued

Chairs

and Sagnetush,
 Timber of Pine and Cedar.

North on a random line
 bet. secs. 3 & 4.

Var. $13^{\circ} 50' E$

Ascend

15.00 Top of ridge br. N. $60^{\circ} E$ &
 S. $60^{\circ} W$. and descend

37.00 Cross low Sag and ascend

40.00 Sit temporary $1/4$ sec. cor.

55.00 Top of ridge br. N. $70^{\circ} W$ &
 S. $70^{\circ} E$ and descend.

80.33 Intersect N. B. of Sp 17 lbs
 N. of cor. to secs. 3, 4, 33 & 34.
 which is a post. 4 ins. sq.
 set finally in a mound of

D. 14 N. R 31 E Continued

chains

earth. marked

D. 15 N. S. 34 on N. E.

R 31 E. S. 3. on S. E.

D. 14 N. S. 4 on S. W. and

S. 33. on N. W. faces, with 3
notches on E & W. edges, with
pits 18x18x12 ins. in each sec.5/8 ft. dist. Thence I run
S. 31 W. on a true line, bet.
secs. 3 & 4.

Var. 140 E!

40.33 Set a post 3 ft long 3 ins. dia.
with marked stone, 12 ins. in
the ground, for 1/4 sec cor.
marked 1/4 S. on W. face, dug
pits 18x18x12 ins. N. & S. of
post 5/8 ft dist. and raised
a mound of earth 1/2 ft.

BOOK 173

T. 14 N. R. 31 E. Continued

chains

high, 3 1/2 ft. base around post.

80. 33

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

Land unmountainous

Soil 2^d rate

Timber of Pine and Cedar.

Vegetation, Brunch grass &

Aug. 21. 1882.

From the Cor. to Secs.

4, 5, 32 & 33. on S. By of

Township, which is a

Sandstone, set firmly in

the ground, marked with

4 notches on E & 2 notches on

W. edges. with pits 18 x 18 x 12

ins. in each sec. 5 1/2 ft. dist.

with mound of earth 2 ft.

S. 14 N. R. 31 E. Continued

chains

high, $4\frac{1}{2}$ ft. base alongside
Thence from

North bet. Secs. 32 & 33.

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

Ascend

22.00 Top of ridge, brs N. $60^{\circ} E.$ &
S. $60^{\circ} W.$ and descend40.00 Set a post 2 ft long, 2 ins. dia.
with marked stone 12 ins. in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on W. face, dig
pit 18 x 18 x 12 ins. N & 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 Sandstone 14 x 11 x 5 ins.
9 ins. in the ground, for cor.

T. 14 N. R. 31 E. Continued

Chairs

to Secs. 28, 29, 32 & 33. marked
with 4 notches on E & 1 notch
on S. edges, dug pits 18 x 18 x 12
ins. in each sec. 5 1/2 ft. dist.
and raised a mound of earth
2 ft. high, 4 1/2 ft. base along-
side

Land unmountainous

Soil 3^d rate

Timber of cedar

Vegetation, bunchgrass
Pogonochloa.

East on a random line
bet. Secs. 28 & 33.

Var. 14° 08' E'

Ascends

T. 14 N. R. 31 E. Continued

chains

40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.27 Intersect N + S line, 6 lks
 S. of cor. to Secs. 27, 28, 33 + 34
 from which corner Run
 $S 89^{\circ} 57' W$. on a true line,
 bet. Secs. 28 + 33.

Cor. $13^{\circ} 45' E$

40.14 Set a Sand stone $15 \times 9 \times 5$ ins.
 10 ins. in the ground, for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N.
 face, dug pits $18 \times 18 \times 12$ ins.
 Ex 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 along-
 side.

80.27 The cor. to Secs. 28, 29, 32 + 33
 Sand mountainous
 Soil 3^d rate

T. 14 N. R. 31 E. Contained

Chains

Timber of Pine and Cedar.
 Vegetation, Sagebrush

North bet. Secs. 28 & 29.

Var. $14^{\circ} 08' E!$

Descend gradually.

40.00 Set a post 3 ft. long, 3 ins. sq,
with marked stone, 12 ins.

in the ground, for $\frac{1}{4}$ sec.
 Cor. marked $\frac{1}{4}$ S. on N face,
 dug pits $18 \times 18 \times 12$ ins. 9×5 .
 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.

42.00 Enter Valley, br N. $70^{\circ} E$.
and East.

T. 14 N. R. 31 E. Continued

chains

71.30 Cross Wash 5 lks wide, come West. and ascend

80.00 Set a Sandstone 12 x 12 x 6 ins.
8 ins. in the ground, for Cor.
to Secs. 20, 21, 28 & 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.

Land rolling and level

Soil 1st rate

Vegetation, Puncturegrass.

East on a random line bet.
Secs. 21 & 28.

T. 14 N. R. 31 E. Continued

Var. $14^{\circ} 12' E$.

Descend gradually

13.00 Cross Wash, 5 lks wide, course
S. W. and ascend40.00 Set temporary $\frac{1}{4}$ sec. cor.68.00 Leave Valley to N. S. and
ascend.80.14 Intersect N. S. line, 23 lks N.
of cor. to Secs. 21, 22, 27 & 28,
from which corner I run
N. $89^{\circ} 50' W$. on a stone line
bet. secs. 21 & 28.Var. $13^{\circ} 50' E$:40.07 Set a post 3 ft. long, 3 ins. dia.
with marked stone, 12 ins. in
the ground, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S. on N. face, dug pits 18" x 18" x 12
ins. E & W. of post $5\frac{1}{2}$ ft. dist.

T. 14 N. R. 31 E. Continued

chain

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

80.14 The corner of secs. 20, 21, 28 & 29.
 Land rolling & level.
 Soil 1st & 2^d rate
 Vegetation, Bunchgrass.

North bet. Secs. 20. & 21.
 Var. $14^{\circ} 12' E!$

Along Valley

4000 Set a post 3 ft. long, 3 ins. dia.
 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 + S. of
 post $5\frac{1}{2}$ ft. dist. and

T. 14 N. R. 31 E. Continued

chains

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

45.00 Leave Valley, to N. E. & S. W.
 and ascend gradually.

80.00 Set apart 4 ft. long, 4 in.

sq. with marked stone
 pins in the ground, for
 cor. to secs. 16. 17. 20 & 21.

marked T. 14 N. S. 16 on
 N. E. R. 31 E. S. 21 on S. E.

S. 20 on S. W. and S. 17 on

N. W. faces. with 4 notches
 on E and 3 notches on S. edges,
 dug pits $18 \times 18 \times 12$ in. 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.

N. 14 N. R 31 E Continued

Chains

Land rolling & level
 Soil 1st & 2^d rate
 Vegetation, Purplegrass.

Cast on a random line
 bet. Secs. 16 & 21.

Var. $14^{\circ} E$

Descend gradually.

15.00 Enter Valley, bro N & S.

4000 Set temporary $\frac{1}{4}$ sec cor.

79.86 Intersect N & S line, 19th

N. of cor. to sec. 15. 16. 21 & 22

from which comes Iron
 $N. 89^{\circ} 52' W.$ on a true line
 bet. sec. 16 & 21.

Var. $13^{\circ} 48' E$

39.93 Set a Limestone 13 & 11 & 7

T. 14 N. R. 31 E. Continued

chain

ins. 9 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
on N. face, dug pits $18 \times 18 \times 12$
ins. Et 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.

79.86 The corner to secs. 16, 17, 20 & 21

Land rolling & level

Soil 1st & 2d rate

Vegetation, Bunch grass,
& Sagebrush.

North bet. secs. 16 & 17.

Var. 140° E!

Ascend

40.00 Set apart 3 ft. long 3 ins.

T. 14 N. R. 31 E. Continued

Chains

dia. with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W. face dig pits 18 x 18 x 12 ins. N. & 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 bedar 24 ins. dia. br. N. 52° E. 35 lbs. dist. marked $\frac{1}{4}$ S. B. S.

A bedar 18 ins. dia. br. N 74° W. 86 lbs dist. marked $\frac{1}{4}$ S. B. S.

80.00 Set a post 4 ft. long, 4 ins. sq, with marked stone, 12 ins in the ground, for cor. to sees.

8. 9. 16 & 17. marked
T. 14 N. S. 9. on N. E.
R. 31 E. S. 16 on S. E.

T. 14 N. R. 31 E. Continued

chains

- S. 17 on S. W. and
 S. 8 on N. W. faces, with 4
 notches on E. S. edges. Aug
 pits 18x18x12 ins. in each sec
 5/2 ft. dist. and raised a
 mound of earth 2 ft high, 4 1/2
 ft. base around post, from which
 a Pine 6 ins. dia. br. N. 70° E. 103 lbs dist.
 marked T. 14 N. R. 31 E. S. 9 B. T.
- a Pine 10 ins. dia. br. S. 69° E. 74 lbs dist.
 marked T. 14 N. R. 31 E. S. 16 B. T.
- a Pine 8 ins. dia. br. S. 19° W. 82 lbs dist.
 marked T. 14 N. R. 31 E. S. 17 B. T.
- a Cedar 24 ins. dia. br. N 20° W. 40 lbs dist.
 marked T. 14 N. R. 31 E. S. 8. B. T.

Land rolling.

Tumber of Pine & Cedar.
 Soil 2^d rate

P. 14 N. R. 31 E. Continued

chains

Vegetation Bunchgrass.East on a random line bet.
secs. 9 & 16.Var. $13^{\circ} 56' E$

Ascend

24.00 Top of ridge bet N & S. and
descend32.00 Cross Gulch 2000 wide
course N. $10^{\circ} W$. and ascend40.00 Set temporary $\frac{1}{4}$ sec. cor.80.07 Intersect N & S. line 7 lbs N.
of cor. to secs. 9, 10, 15 & 16.from which corner I run
N. $89^{\circ} 57' W$. on a true line,
bet. secs. 9 & 16.Var. $13^{\circ} 54' E$

T. 14 N. R. 31, E Continued

chains

40.04 Set a Sandstone $14 \times 14 \times 12$
 ins. 9 ins. in the ground,
 for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$
 on N. face, dug pits $18 \times 18 \times 12$
 ins. E & 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

80.07 The corner to Secs. 8, 9, 16 & 17,
 Sand mountains
 Soil 2^d rate
 Timber of Pine and Cedar
 Vegetation, Bunch grasses,
 Sagebrush.

North bet. Secs. 8 & 9.
 Var. $13^{\circ} 36' E$.

T. 14 N. R. 31 E. Continued

chains

descend

19.74 Cross Wash, 5 lks wide, course
S. 16° W. and ascend

40.00 Set a post 3 ft. long, 3 ins. dia.
with marked stone, 12 ins in
the ground, for 1/4 sec. Cor.
marked 1/4 S. on W. face, dug
pit 18 x 18 x 12 ins. N. & S. of
post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft.
high, 9 1/2 ft. base around post.

74.00 Top of ridge brs Ex W. and
descend

80.00 Set a post 4 ft. long, 4 ins. sq.
with marked stone, 12 ins in
the ground, for Cor. to Sec.
4. 5. 8 x 9. marked
T. 14 N. S. 4. on N. E.

T. 14 N. R. 31 E. Continued

chains

R 31 E. S. 9. on S. E.

- S. 8 on S. W. and S. 5 on
N. W. faces, with 4 notches
on E & 5 notches on S. edges
dug pits 18 & 18 & 12 ins. in
each sec. 5/8 ft. dist. and
raised a mound of earth
2 ft. high 4 1/2 ft. base around
post, from which
- 4 cedar vines. dia. ins. N. 10° E. 28 lbs dist.
marked T. 14 N. R. 31 E. S. 4 B. J.
 - 1 cedar 6 ins. dia. ins. S. 64° E. 76 lbs dist.
marked T. 14 N. R. 31 E. S. 9 B. J.
 - 1 cedar 8 ins. dia. ins. S. 27° W. 19 lbs dist.
marked T. 14 N. R. 31 E. S. 8 B. J.
 - 1 cedar 20 ins. dia. ins. N. 15° W. 61 lbs dist.
marked T. 14 N. R. 31 E. S. 5 B. J.
- Land mountains.

T. 14 N. R. 31 E. Continued

Chains

Soil 2^d rateTimber of Pine & Cedar
Vegetation, Bunchgrass.Cast on a random line bet.
Secs. 4 & 9.Var. $13^{\circ} 58' E'$

Ascend

4.00 Top of ridge, br. N. $80^{\circ} E'$ &
S. $80^{\circ} W$. and descend24.55 Cross Wash 5 lbs wide, come
S. $30^{\circ} W$. and ascend40.00 Set temporary $\frac{1}{4}$ sec. cor.67.00 Top of ridge br N. W. & S. E.
and descend79.92 Intersect N & S. line 12 lbs
N. of cor. to secs. 3, 4, 9 & 10.

T. 14 N. R. 31 E. Continued

Chains

from which corner I run
N. $89^{\circ} 55' W.$ on a true line
bet. secs. 4 + 9.

Var. $13^{\circ} 50' E.$

39.96 Set a post 3 ft. long, 3 ins. dia.
with marked stone, 12 ins. in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4} S.$ on N. face,
dug pits $18 \times 18 \times 12$ ins. Et 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.

79.92 The corner to secs. 4, 5, 8 + 9,
Land unimproved
Soil 2^d rate
Timber of Pine and Cedar.
Vegetation, Bunchgrass.

T. 14 N. R. 31 E. Continued

Chains

North on a random line,
bet. secs. 4 & 5.

Var. 13° 58' E.

Descend

22.00 cross low Sag and ascend

40.00 Set temporary 1/4 sec cor.

74.00 Top of ridge, br N. 80° W x
S. 80° E. and descend

80.26 Intersect N. B. of Sp. 10

lbs W. of cor. to secs. 4, 5.

32 x 33. which is a post.

4 ins. sq. set firmly in
mound of earth, marked

S. 15 N. S. 33 on N. E.

R 31 E. S. 4 on S. E.

S. 14 N. S. 5 on S. W. and

S. 32 on N. W. faces, with
4 notches on E x 2 notches

T. 14 N. R. 31. E Continued

Chains

on W. edges, with pits 18×18
 $\times 12$ ins. in each sec. $5 \frac{1}{2}$ ft. dist.

Thence I run

S 41° W. on a true line, bet.
 secs. 4 & 5.

Var. 14° E:

40.26 Set a post 2 ft. long, 3 ins.
 dia. with marked stone,
 12 ins. in the ground, for
 $\frac{1}{4}$ sec. bor. marked 14° S.
 on W. face, dug pits $18 \times 18 \times 12$
 ins. N. & 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.

80.26 The bor. to secs. 4, 5, 8 & 9.
 Land mountainous.
 Soil 2^d rate

T. 14 N. R. 31 E. Continued

chains

Timber of Pine & Cedar.
Vegetation, Bunchgrass &
Hagetush.

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

Aug. 22. 1882.

From the corner to
secs 5. 6. 31 & 32 on S. 1/4
of township which is a
post 4 ins sq. set firmly in
mound of earth marked
T. 14 N. S. 32 on N. E.

T. 14 N. R. 31 E. Continued

Chains

R. 31 E. S. 5 on S. E.

N. 13 N. S. 6 on S. W. and
 S. 31 on N. W. faces, with
 5 notches on E. & 1 notch
 on W. edges, with pits 1848 & 12
 ins. in each sec. 57/8 ft. dist.
 Thence 0 m.

North bet. secs. 31 & 32

Var. $13^{\circ} 38' E.$

Ascend

7.13 Top of ridge to N. $80^{\circ} W.$ and
 S. $80^{\circ} E.$ and descend29.40 cross Wash 5 lbs wide corner
 S. $65^{\circ} W.$ and ascend40.00 Set a post 3 ft long .3 ins. dia
 with marked stone, 12 ins.
 in the ground, for $1/4$ sec. cor.
 marked $1/4 S.$ on W. face, aug

T. 14 N. R. 31 E. Continued

Chains

pits $18 \times 18 \times 12$ ins. N & 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

8000 Set a Sand stone $14 \times 11 \times 5$ ins.
9 ins. in the ground for cor.
to Secs. 29, 30, 31 & 32, marked
with 5 notches on E. and 1
notch on W. edges, dug pits
 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$
ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
along side.

Sand mountains.

Soil 3d rate

Timber of Cedar

Vegetation, Bruchgrass
Sagebrush.

T. 14 N. R. 31 E. Continued

Chains

East on a random line,
bet. secs. 29. & 32.

Var. $13^{\circ} 55' E.$

Descend

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

79.92 Intersect N. & S. line, 13 lbs

N. of cor. to secs. 28, 29, 32 & 33.

from which corner I run

N. $89^{\circ} 54' W.$ on a true line

bet. Secs. 29. & 32

Var. $14^{\circ} 08' E.$

39.96 Set a sandstone $22 \times 8 \times 4$ in.

16 in. in the ground, for $\frac{1}{4}$

sec. cor. marked $\frac{1}{4}$ on N.

face and raised a mound

of stone alongside, pits

irreproachable.

79.92 The corner to secs. 29, 30, 31 & 32.

T. 14 N. R. 31 E. Continued

Chains

Land mountains

Soil 2^d rate

Timber of Cedar

Vegetation Bunchgrass
& Sagebrush.West on a random line
bet. Secs. 30 & 31.Var. $13^{\circ} 55' E$.

Ascend

40.00 Set temporary $\frac{1}{4}$ sec. cor.48.18 Cross Wash 6 lks wide, course
S. 50° W. and ascend

49.50 a Horse bro South 15 lks dist.

79.65 Intersect W. Bay of Tp. 14
lks N. of cor. to Secs. 25, 30, 31 & 36.
which is a Basalt stone

T. 14 N. R. 31 E. Continued

Chains

set firmly in the ground,
marked with 5 notches on N.
and 1 notch on S. edge, with
pits $18 \times 18 \times 12$ ins. in each sec.
 $5/8$ ft. dist. and mound
of earth alongside.

Thence I run

N. $89^{\circ} 54'$ E. on a true line,
bet. secs. 30 + 31.

Var. $13^{\circ} 48'$ E!

39.65 Set a sandstone $12 \times 10 \times 10$ ins.
8 ins. in the ground, for $1/4$ sec
cor. marked $1/4$ on N face,
dug pits $18 \times 18 \times 12$ ins. E x W.
of stone $5/8$ ft. dist. and raised
a mound of earth $1/8$ ft. high
 $3/8$ ft. base, alongside.

79.65 The corner to secs. 29. 30. 31 & 32

L.J. 173

T. 14 N. R. 31 E. Continued

chains

Land rolling

Soil 2^d rateVegetation, Bunchgrass
Trunk of cedar.

North bet. Secs. 29 & 30.

Twp. 13° 55' E.

Descend

26.92 cross Wash, also middle course

S. 70° W. and ascend

4000 Top of ridge br. E. W. and

set a sandstone 12 x 10 x 8 ins.

8 ins. in the ground for 1/4

sec. cor. marked 1/4 on W.

face, dug pits 18 x 18 x 12 ins.

N. & S. of stone 5 1/2 ft. dist.

and raised a mound of

T. 14 N. R. 31, E. Continued

Chairs

- earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside, thence descending,
 45.22 Cross Wash 6 lbs wide, cross
 S. W. and ascend
- 43.40 Top of ridge, br Et W. and
 descend
- 80.00 Set a post 4 ft. long, 4 ins.
 sq. with marked stone, 12
 ins in the ground, for cor.
 to sec. 19, 20, 29 + 30, marked
 T. 14 N. S. 20 on N. E.
 R. 31 E. S. 29 on S. E.
 S. 20 on S. W. and
 S. 19 on N. W. faces, with 5
 notches on E and 2 notches
 on S. edges. dig pits $18 \times 18 \times 12$
 ins. in each sec. $5\frac{1}{2}$ ft. dist.
 and raised around of earth

B.L. 173

T. 14 N. R. 31 E. Continued

chains

2ft. high $4\frac{1}{2}$ ft. base around
post. from which

4 Cedar 14 ins. dia. tr. N 30° E. 60 lbs dist.
marked T. 14 N. R. 31 E. S. 20 B. T.

2 Cedar. 18 ins. dia. tr. S 25° E. 17 lbs dist.
marked T. 14 N. R. 31 E. S 29. B. T.

4 bedar 40 ins. dia. tr. S. W. 18 lbs dist.
marked T. 14 N. R 31 E. S. 30 B. T.

2 bedar 10 ins. dia tr. N 75° W. 87 lbs dist
marked T. 14 N. R 31 E. S. 19. B. T.

Land unimproved

Soil 2^d rate

Timber of bedar.

Vegetation, Bruchgrass.

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

T. 14 N. R. 31, E. Continued

Var. $13^{\circ} 55' E$

Descend

13.00 Cross Wash 5 lps wide, course
S. W. and across Valley.40.00 Set temporary $\frac{1}{4}$ sec. cor.68.00 Leave Valley to N. Et S. W.
and ascend, entering timber
to N. S.80.07 Intersect N. S. line, 3 lps N.
of cor. to Secs. 20, 21, 28 & 29,
from which cor. I run
N. $89^{\circ} 59' W$. on a true line
bet. Secs. 20 & 29.Var. $14^{\circ} 12' E$ 40.04 Set a Sandstone 13x12x4 in.
qms. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,
dug pits 18x18x12 ins. Et W.

D. 14 N. R. 31 E. Continued

chain

up stone, 5 1/2 ft. dist. and
raised a mound of earth
1 1/2 ft. high, 3 1/2 ft. base, along
side.

80.07 The cor. to secs. 19. 20. 29 & 30

Land rolling

Soil 1st rate

Vegetation, Brunchgrass

Timber of Cedar.

West on a random line,
bet. secs. 19 & 30.

Var. 13° 55' E.

Descend

15.00 cross low sag and ascend

4000 Set temporary 1/4 sec. cor.

79.49 Intersect W. By of Sp. 17 lbs

T. 14 N. R. 31 E. Continued

chains

N. of cor. to Secs. 19, 24, 25 & 30.
which is a post 4 ins. sq.
set firmly in mound of
earth, marked

R. 14 N. S. 19, on N. E.

R. 31 E. S. 30. on S. E.

R. 30 E. S. 25 on S. W. and

S. 24 on N. W. faces, with
4 notches on N. & 2 notches
on S. edges, with pits 18x18x12
ins. in each sec. 5 1/2 ft. dist.

Thence 0 mm.

N. $89^{\circ} 53'$ E! on a true line,
bet. Secs. 19 & 30.

Var. $13^{\circ} 52'$ E!

39.49 Set a post 3 ft. long, 3 ins. dia.
with marked stone, 12 ins in
the ground, for 1/4 sec. cor.

T. 14 N. R. 31 E Continued

Chains

marked 1/4 S on N face, dug
 pits 18 x 18 x 12 in. E + 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.

79.49 The Cor. to Secs. 19, 20, 29 + 30.

Sand rolling

Soil 2d rate

Vegetation, Bunchgrass*

Sagebrush.

Number of cedar.

North bet. secs. 19 + 20.

Var. $13^{\circ} 55' E!$

Ascend

40.00 Set a post 3 ft. long, 3 in. dia.
 with marked stone, 12 in. dia.

T. 14 N. R. 31 E. Continued

Chains

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.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.

8000

Set a post 4 ft. long, 4 ins. sq,
 with marked stone, 12 ins. in
 the ground, for cor. to sec.
 17. 18. 19. & 20 marked

T. 14 N. S. 17 on N. E.

R. 31 E. S. 20 on S. E.

S. 19 on S. W. and

S. 18. on N. W. faces, with 5
 notches on E and 3 notches

on S. edges, dug pits $18 \times 18 \times 12$
 ins. in each sec. $5\frac{1}{2}$ ft. dist.

and raised a mound of earth.

T. 14 N. R. 31 E. Continued

chains

2ft. high, 4 1/2 ft. base around
post.

Land rolling

Soil 2d rate

Vegetation Bunchgrass

Timber Pine & cedar.

East on a random line,
bet. Secs. 17 & 20.

Var. 19° 56' E.

Descend

27.00 Leave timber via N.S.

40.00 Set temporary 1/4 sec. cor.

43.15 Cross Wash 600 ft wide, course

S. and ascend

79.93 Intersect N.S. line 150 ft
S. of cor. to secs. 16, 17, 20 & 21

BOOK 173
 T. 14 N. R. 31 E. Continued

chains

from which corner I run
 S. $89^{\circ}54'$ W. on a true line,
 bet. secs. 17 & 20.

Var. 14° E!

39.97 Set a post 8ft long, 3 ins. dia.,
 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 & W.
 of post 5 1/2 ft. dist. and
 raised a mound of earth
 $\frac{1}{2}$ ft. high 3 1/2 ft. base
 around post.

79.93 The Cor. to Secs. 17, 18, 14 & 20
 Land rolling
 Soil 2^d rate
 Vegetation, Bunch grass
 Number of cedar

T. 14 N. R. 31 E. Continued

chain

West, on a random line,
bet. Secs. 18 & 19.

Var. $13^{\circ}50' E$

Ascend

4000 Set temporary $\frac{1}{4}$ sec cor.

79.72 Intersect W. B. of Tp. 26

lks S. of cor. @ Secs. 13, 18, 19 & 24

which is a post. 4 ins sq.

set firmly in mound of
earth, marked T. 14 N. S. 18 on R. E.

R 31 E. S. 19 on S. E

R 30 E. S. 24 on S. W. and
S. B. on N. W. faces, with

3 notches on N & S. edges, with
pits $18 \times 18 \times 12$ ins. in each sec.

$5\frac{1}{2}$ ft. dist. Thence I run
 $S. 89^{\circ}49' E$ on a true line,
bet. Secs. 18 & 19.

T. 14 N. R. 31 E. Continued

chains

Var 13° 55' E!

39.72 Set a post 2ft. long, 3 in. dia. with marked stone 12 in. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on N. face, dug pit 18 x 18 x 12 in. Et 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.

79.92 The cor. to secs. 17, 18, 19 x 20 and rolling.

Soil 3^d rate.

Vegetation Bunchgrass & Sagebrush.

Aug 23. 1862.

North bet. Secs. 17 & 18.

T. 14 N. R. 31 E. Continued

Chains

Var. $13^{\circ} 50' E.$

Ascend

- 40.00 Set a post 2 ft. long, 3 ins. dia. with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S. on N. face, dug pits $18 \times 18 \times 12$ ins. N. $\frac{1}{4}$ 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 bed on 24 ins. dia. br. N. $16^{\circ} E.$ 25 lbs dist. marked $\frac{1}{4}$ S. B. T.
 a bed on 13 ins. dia. br. S. N. 52 lbs dist. marked $\frac{1}{4}$ S. B. T.
- 80.00 Set a post 4 ft. long, 4 ins. - sq. with marked stone, 12 ins. in the ground, for cor. to secs.

BOOK 173
 T. 14 N. R. 31 E. Continued

chains

7. 8. 17 & 18. marked
 T. 14 N. S. 8. on N. E.
 R. 31 E. S. 17 on S. E.
 S. 18. on S. W. and
 S. 7 on N. W. faces, with 5
 notches on E & 4 notches on
 S. edges, dug pits 18 & 18 & 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 bedar 3 ins. dia. br. h. 76° W. 3 1/4
 dist. marked T. 14 h. R. 31 E. S. 7 O. T.
 a bedar 14 ins. dia. br. h. 28° E. 68 lbs dist.
 marked ^{T. 14} h. R. 31 E. S. 8 O. T.
 a bedar 16 ins. dia. br. h. 23° E. 45 lbs dist.
 marked T. 14 h. R. 31 E. S. 17 O. T.
 a bedar 12 ins. dia. br. h. 12° W. 74 lbs dist.

T. 14 N. R. 31 E. Continued

chains

marked T. 14 N. R. 31 E. S. 14 B. T.

Sand mountains

Soil 2^d rate

Timber of cedar

Vegetation, Bunchgrass.

East on a random line, bet.
Secs. 8 & 17.Var. $13^{\circ} 50' E.$

Ascend

36.00 Top of ridge bet N. W & S. E.
and descend40.00 Set temporary $\frac{1}{4}$ sec. cor.57.00 cross Wash, 5 lbs wide, course
S. 50 W. and ascend79.78 Intersect Nat. line 14 lbs N.
of cor. to Secs. 8, 9, 16 & 17. from

T. 14 N. R. 31 E. Continued

Chains

which corner Irony,
N. $89^{\circ} 54'$ W. on a true line,
bet. secs. 8 & 17.

Var. $13^{\circ} 56'$ E.

39.89 Set a post 3ft. long, 3ins. dia.
with marked stone, 12ins. in the
ground, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S. on N. face, dug pits 18x18x12
ins. E & W. of post $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth $1\frac{1}{2}$ ft. high $9\frac{1}{2}$ ft. base
around post, from which
a Pine 8ins. dia. br. N 7° E. 164 lbs dia. br.
marked $\frac{1}{4}$ S. B. T.
a Pine 6ins. dia. br. South 118 lbs dia. br.
marked $\frac{1}{4}$ S. B. S.

79.70 The corner to secs. 7, 8, 17 & 18.
Land unmountainous.

T. 14 N. R. 31 E. Continued

Chairs

Soil 2d rate
 Timber of Pine and Cedar
 Vegetation, Bunchgrass.

West on a random line
 bet Secs. 7 & 18.

Var. $13^{\circ}50' E$

Descend

4000 Set temporary $1/4$ sec. cor.

79.82 Intersect W. By of Sp. 11-lks
 N of cor. to secs. 7, 12, 13 & 18
 which is a Post. 4 ins. sq.

set firmly in mound of earth
 marked T. 14 N. S. 7. on N. E.

R. 31 E. S. 18. on S. E.

R. 30 E. S. 13. on S. W. and

S. 12 on N. W. faces, with 2

BOOK 173

T. 14 N. R. 31 E. Continued

chains

notches on N. and 4 notches
on S. edges, with pits $18 \times 18 \times 12$
ins. in each sec. $5\frac{1}{2}$ ft. dist.

Thence I run

N. $89^{\circ} 55' E$ on a true line,
bet. secs. 7 & 18.

Var. $14^{\circ} 06' E$

- 39.82 Set a post 2 ft. long, 3 ins. dia
with marked stone, 12 ins. in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on N. face, dug
pits $18 \times 18 \times 12$ ins. Et 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 cedar 16 ins. dia. br. N. $50^{\circ} E$. 42 lbs dist.
marked $\frac{1}{4}$ S. B. T.
A cedar 20 ins. dia. br. S. $65^{\circ} W$. 98 lbs dist.

T. 14 N. R. 31 E. Continued

chains

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

79.82 The Cor. to Secs. 7, 8, 17 & 18.

Land rolling.

Soil 2^d rate

Vegetation Bunchgrass.

Timber of cedar.

North bet. Secs. 7 & 8.

Var. $130^{\circ} 50' E!$

Ascend

40.00 Set apart 2 ft. long, 3 ins. dia.

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

and raised a mound of earth

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

S. 14. N. R. 31 E. Continued

chains

from which

a bedar 12 ins. dia. br S. 75° E. 59 lbs dist
marked 1/4 S. B. S.

a bedar 18 ins. dia. br N. 30° W. 71 lbs dist.
marked 1/4 S. B. S.

80.00 Set apart 4 ft. long, 4 ins. sq.
with marked stone, 12 ins in
the ground, for cor. to sec.

5. 6. 7 & 8. marked

S 14 N. S. 5 on N. E.

R 31 E. S. 8 on S. E.

S. 7 on S. W. and

S. 6 on N. W. faces, with
5 notches on E & S. edges,
dug pits 18 + 18 + 12 ins. in
each sec. 5/2 ft. dist. and
raised a mound of earth
2 ft. high, 4 1/2 ft. base around

T. 14 N. R. 31 E. Continued

chains

post from which
 a Pine 8 ins. dia. br. S. E. 21 lks dist.
 marked T. 14 N. R. 31 E. S. 8 B. T.
 a cedar 24 ins. dia. br. N. 85° W. 18
 lks dist. marked T. 14 N. R. 31 E. S. 6 B. T.

Land mountainous

Soil 2^d rate

Number of Pine and cedar
 Vegetation, Bunchgrass.

East on a random line,
 bet. secs. 5 & 8.

Var. 13° 50' E

Descend

- 32.20 Cross low sag and ascend
 46.00 Set temporary 1/4 sec. bor.
 68.00 Top of ridge br. W.S. and descend

BOOK 173

T. 14 N. R. 31 E. Continued

chains

76.00 Cross low Sag and ascend
 80.11 Intersect U.S. line 19 lbs N.
 of cor. to sec. 4. 5. 8 x 9, from
 which corner I run
 N. 89° 52' W. on a true line,
 bet. Secs. 5 & 8.

Var. 13° 58' E!

40.11 Set a post 3 ft. long, 3 ins. dia.,
 with marked stakes, 12 ins. in
 the ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ S. on N. face, dug
 pits 18 x 18 x 12 ins. E & W of
 post 5 $\frac{1}{2}$ ft. dist. and raised
 a mound of earth 1 $\frac{1}{2}$ ft.
 high 3 $\frac{1}{2}$ ft. base around post.
 80.11 The corner to sec. 5. 6. 7 x 8.
 Land rolling
 Soil 2^d rate

D. 14 N. R. 31 E. Continued

chasins

Vegetation Brunchgrass
 Timber of Pine and cedar.

West on a random line bet
 Secs. 6 & 7.

Var $13^{\circ} 50' E.$

Ascend

6.00 Top of ridge hrs N.W.S. and
 descend.

40.00 Set temporary $1/4$ sec cor.
 79.59 Intersect N. B of Sp. 17 lbs
 S. of cor. to secs. 1. 6. 7 & 12
 which is a Post 4 ins. sq. set
 in mound of earth, marked
 D. 14 N. S. 6 on N. E.
 R. 31 E. S. 7 on S. E.
 R. 30 E. S. 12 on S. N. and

P. 14 N. R. 31 E. Continued

Chains

S. 1 on N. W. faces, with 1 notch on N. & 5 notches on S. edges, with pits $18 \times 18 \times 12$ ins. in each sec. $5 \frac{1}{2}$ ft. dist.

Thence 9 mu

S $89^{\circ} 53'$ E. on a true line, bet. secs. 6 & 7

Var. 140° E.

39.59 Set a post 3 ft. long, 3 ins. dia. with marked stave, 12 ins. in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S. on N. face dug pits $18 \times 18 \times 12$ ins. E & 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.

49.59 The corner to secs. 5, 6, 7 & 8.

D. 14 N. R. 31 E. Continued

Cherms

Land unmountainous

Soil 2^d rate

Timber of Pine and Cedar
Vegetation, Bunch grass.

North on a random line
bet. Secs. 5 & 6.

Var. $13^{\circ} 50' E$

Asced

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

80.00 Intersect N. B. of Tp. 17 lbs

W. of cor. to sec. 5, 6, 31 & 32

which is a sandstone, set

firmly in the ground, marked

with 5 notches on E x 1 notch

on W. edge, with 1/2 to 1/4 in

in. in each sec 5/8 ft. dist.

T. 14 N. R. 31 E. Continued

chains

and mound of earth 2 ft.
high $4\frac{1}{2}$ ft. base, along side.

Thence 9 mm

S 71° W. on a true line, bet
Secs. 5 & 6.

Var. $13^{\circ} 55'$ E.

40.00 Set a post 3 ft. long, 3 ins. dia.
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.W. of
post $57\frac{1}{2}$ ft. dist., and raised
a mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base around post.

80.00 The cor. to Secs. 5, 6, 7 & 8.
Land rolling.

Soil 2^d rate

Vegetation Bunch grass.

T. 14 N. R. 31 E. Continued

chain

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

Aug. 24. 1882.

General Description

The land in Tp. 14 N. R. 31 E. is rolling and mountainous. Pine and cedar timber are abundant.

It is covered with vegetation of bunch grass which furnishes excellent grazing facilities throughout the township.

The soil is generally 2^d & 3^d rate. There is one settler in Sec. 31. by the name of Oost Saburn who has a house, corral and about 30 acres under cultivation.

Improvements valued over \$ 500.

U. S. Surveyor General's Office,
Tucson, Arizona, Dec, 20, 1882

The foregoing Field Notes of the survey of

Subdivision Lines
of Township 14 North,
Range 31 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by Milton Jantzen,

D. S., under his contract of the 29th day of
April, 1882, having been critically ex-

amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Robinson
Surveyor General.