

OK No-216

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

- OF -

Township 15 N. Range 31 E.

Gila and Salt River Base and Meridian

ARIZONA.

By Milton Santee D. S.

under contract dated Apr 29 1882.

Survey commenced July 19 1882.

Survey completed July 22 1882.

No-216

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INDEX DIAGRAM.

Township *15 N.*
 Range *37 E.*
Gila and Salt River Meridian

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Gila and Salt River, Arizona.

ARIZONA.

No-216

Subdivision T, 15 N, R, 31 E

Gila + Salt River Meridian

Survey Commenced on
 July 19th 1882 with Burt's
 Patent improved Solar Compass
 nearly new, and in first
 rate order, Made by Otto
 Fennel of Cassell Germany
 in 1881

Before proceeding to subdivide
 this T^p. I made a change
 of 5 minutes in the latitude
 arc of my Solar Compass by
 subtracting some from the
 reading previously given
 and at noon verified and
 corrected some by observations
 on the sun. I also further

Subdivision T. 15 N., R. 31 E., Continued

Chairs tested instrument by reversing.

From the Corner to Secs. 3-4-33 and 34 on S. Boundary of township ~~which is a post of ins. & iron~~ which is a post of ins. & iron set firmly in a mound of earth, with pits in each Sec. Marked

T. 15 N., S. 34 on N. E.

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

T. 14 N., S. 4 on S. W. and S. 33 on N. W. faces with 3 notches on E and N. edges. Thence I run

North between Secs. 33-34
 207. 14° East

Subdivision T. 15 N., R. 31 E., G. 4 S. R. M.

Morris Ascend.

40.00 Set a post 3 ft., long 3 ins. diam.
with marked stem 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. 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 Pine 10 ins. diam. bears
N. 81° E. 18 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A Pine 10 ins. diam. bears
S. 65° N. 72 lks. dist.
marked $\frac{1}{4}$ S. B. T.

68.00 Top of Spur bears E. & N. & descend

Subdivision G, 15 N, R. 31 E, G, + 5 R 21

Chorus

80.00

Set a post 4 ft. long 4 ins.
square with marked stam
12 ins. in the ground for Cor.
to Secs 27-28-33 & 34 marked
T. 15 N, S. 27 on N.E.
R. 31 E, S. 34 on S.E.
S. 33 on S. N. and
S. 28 on N. N. faces with
3 notches on E and 1 notch
on S. edge, dug pits 18 x 18 x 12
ins. in each Sec. 5 1/2 ft.
diam. and raised a
mound of earth 2 ft
high 4 1/2 ft. top around
post.

Land Mountainous
Soil 2nd Rate

Subdivision T. 15N., R. 31E., Continued

Chorus Vegetation: Bunch grass
Timber of Pine & Cedar

East on a true line between
Sections 27 & 34
Cor. 14° East

Ascend

1947 Intersect Boundary line
between Arizona & New Mexico
at a point which bears
North 17.56 Chorus from
the 16th Mile Post and
set a post 4 ft. long 4 ins.
square, with marked true
17 ins. in the ground for
Chorus Cor to Secs. 27 & 34

Subdivision T. 15 N., R. 31 E., Antonine

Chains marked C, C, T. 15 N., R. 31 E., on N.
 S. 27 on N., and
 S. 34 on S., faces with
 5 notches on N. and 1 notch on
 S. faces, dug pits 18x18x12
 ins. N. S. & W. of post, 5 1/2
 ft. dist., and raised a
 mound of earth 2 ft high
 4 1/2 ft. top around post.
 Lone mountainous
 Soil 3rd rate
 Timber of Pine & Cedar
 Vegetation Bunch grass

Subdivision T. 15 N. R. 31 E. Continued

- Open North between Sacs. 27-28
 Cor. 140° Each
 Descend
- 33.00 Cross gulch 20 lks wide
 corner S. N. and ascend
- 40.00 Set a post 3 ft. long 3 ins. diam.
 with marked stone 12 ins. in
 the front for $\frac{1}{4}$ Sec. Cor.
 marked $\frac{1}{4}$ S. on N. face, dug
 pits, $18 \times 18 \times 12$ ins N. & S. of
 post $5 \frac{1}{2}$ ft. dish and
 raised a mound of earth
 $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base
 around post.
- 50.00 Set a pond stone $16 \times 16 \times 10$
 ins. 11 ins. in the front
 for Cor. to Sacs. 21-22-27-28

Subdivision T, 15N, R, 31E, Grantmmt

Chairs Marked with 2 notches on
S, and 3 Notches on E
edges and raised a row
of Stone along side,
Pits impracticable.
Land Mountainous
Soil 2nd cat.
Timber of Pine & Cedar
Vegetation bunchgrass.

East on a 1/4 m line between
Secs. 22-27

Var. 13° 55' East

Ascend.

1936 Interest Boundary line
between Arizona and New Mexico

Subdivision T. 15 N. R. 31 E, Continued

Chairs at a point which bears North
 17. 90 Chs. from the 160th mile post &
 Set a sand stone 18 x 16 x 9 ins.
 12 ins. in the ground for closing
 Cor. to Sacs. 22, 27 marked
 C. C. with 4 notches on N. and
 2 notches on S. edges and raised
 a mound of stone along side,
 Pitts impracticable
 Low mountains,
 Soil 3rd cat
 Timber of Pine & Cedar
 Vegetation of Bunchgrass.

North between Sacs. 21-22
 Cor. 13' 55' East

Subdivision T. 15 N., R. 31 E., Continuum

- | | |
|-------|---|
| 19.00 | Ascend |
| 46.00 | <p>Top of ridge bears N. 40° E. & S. 40° W. and descend
 Set a post 3 ft. long 3 ins. diam, with marked stem 12 ins. in the ground for 1/4 Sec. Cr. marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins N. & S. of post 5 1/2 ft. dist and raised a mound of earth 1/2 ft. high 3 1/2 ft. dia. around post.</p> |
| 53.50 | <p>Cross gulch 8 lks wide
 bears N. and ascend</p> |
| 80.00 | <p>Set a post 4 ft. long 4 ins. square with marked stem 12 ins. in the ground for Cor.</p> |

Subdivision T. 15 N., R. 31 E., Continued

Chorus to Secs. 15-16-21 & 22 marked
 T. 15 N., S. 15 on N. E.
 R. 31 S. 22 on S. E.
 S. 21 on S. W. and
 S. 16 on N. W. faces with
 3 patches of E. S. and N. E. S. S.,
 dug pits 18 x 18 x 12 ins in each
 Sec 3 1/2 ft. dist. and raised
 a mound of earth 2 ft. high 4 1/2
 feet ^{around} around post
 Land Mountainous
 Soil 3rd rate
 Timber of Pine & Cedar
 Vegetation of Bunch grass

Subdivision T. 15 N., R. 31 E., Continues

Choirs East on a true line between
 Sections 15 and 22
 Br. $13^{\circ} 55'$ East

Ascend

19.43 Intersect Boundary line between
 Arizona and New Mexico
 at a point which bears North
 17.71 Chs. from the 159th
 Mill Post. and
 Set a post 4 ft. long 4 ins. square
 with marked Stone 12 ins. in
 the front. for closing Cor. to
 Secs. 15 and 22 marked
 C.C. T 15 N., R. 31 E., on N.
 S. 15 on N., and
 S. 22 on S. faces with 3 notches
 on N. & S. faces. dug pits

Subdivision T. 15 N. R. 31 E. Continued

Chairs 18x18x12 ins. N. S. & W. of
 post 5 1/2 ft. dist. and contain
 a mound of earth 2 ft. high
 4 1/2 ft. base around post.
 Low mountainous
 Soil 3⁵ cat
 Timber of Pine & Cedar
 Vegetation of Bunchgrass.

North between Secs 15-16
 Cor. 13° 55' Each

Ascend

40,00 Sit 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

Subdivision T. 15 N., R. 31 E., Continued

Chorus pits. 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 3 1/2
ft. base around post.

This Cor. is on top of ridge, bears
E. & N. and descends

St. 00 Set a post 4 ft. long 4 ins. square
with marked on 12 ins. in
the ground for Cor., to Secs. 9-10-15-16
marked

T. 15 N. S. 10 on N. E.

R. 31 E. S. 15 on S. E.

S. 16 on S. N. and

S. 9 on N. N. faces with
3 notches on E. and 4 notches
on S. edges, dug pits 18 x 18 x 12
ins. in each Sec. 5 1/2 ft. dist.

Subdivision T. 15 N. R. 31 E. Continued

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

Land mountainous

Soil 3rd cat.

Timber of Pine + Cedar

Vegetation of Bush grass

East on a true line between
Sections 10-15

Var. $13^{\circ} 52'$ East

Descend

1938

Intersect Boundary line
between Arizona + New Mexico
at a point which bears North
N. 51 Chs from the 158th mile -

Subdivision T, 15 N, R. 31 E, Continuum

Chains Post and

Set a post 4 ft. long 4 in. square
with marked iron 12 in. in the
ground for clearing wood, to Secs.
10 and 15 Marked

C. C. T. 15 N. R. 31 E, on N.

S. 10 on N. and

S. 15 on S. faces, with 2 notches
on N. and 4 notches on S. faces,

day pit, 18 x 18 x 12 in. N, S. & W.

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

Low mountain

Soil 3rd rate

Timber of Pine & Cedar

Vegetation Bunch grass

Subdivision T. 15 N. R. 31 E, Continued

Chorus North between Secs. 9-10

Var, $130^{\circ}52'$ East.

Descend

37.75 Cross low sag & ascend

46.00 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 15 x 15 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.
over 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. 3-4-9-10 marked
T. 15 N. S. 3 on N. E.

Subdivision T. 15 N. R. 31 E. Continued

Chains R. 31 E. S. 10 on S. E.
 S. 9 on S. W. and
 S. 4 on N. W. faces with
 3 notches on E. and 5 notches
 on S. 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 around post.
 Sand rolling
 Soil 3rd rate
 Vegetation Bunch grass
 Timber of Pine & Cedar

Subdivision T. 15 N. R. 31 E. Continued

Chorus East on a true line between
Sections 3-10

Cor. $13^{\circ} 50'$ East

Descent

19.40 Intersect Boundary line between
Arizona + New Mexico at a
point which bears North 17.59
Chs. from the 157 ft. mile post and
Sub a post 4 ft. long 4 ins. square
with marked stem 12 ins. in
the ground for closing Cor. to
Secs. 3 + 10 marked
C. C. T. 15 N. R. 31 E. on N.
S. 3 on N. and
S. 10 on S. faces with 3 notches
on S. + 1 notch on N. faces, dug
pts $18 \times 18 \times 12$ ins N. S. + N. of

Subdivision T. 15 N., R. 31 E., Continued

Chairs of Post 5 1/2 ft. dist and raised
 a mound of earth 2 ft. high
 4 1/2 ft. tree around post
 Land mountainous
 Soil 3^d cat
 Timber of Pine & Cedar
 Vegetation of Bunch grass

North on a random line
 between Secs. 3 and 4
 W. 13° 50' East

Ascend

5.00 Top of ridge bears N. 80° E.
 and S. 80° W. and descend
 40.00 Set temporary 74 Sec. Cor.
 79.38 Intersect North Boundary

Subdivision T, 15 N. R, 31 E. Continued

Chairs of township 22 lks E, of
Cor to Secs 4-3-34-33

✓ Which is a sand stone set in
the ground marked with 3 notches
on E, and N. edges with
pits, & mound of earth elongoid.
Thence I run

S, 9' E, on a true line between
Secs. 3-4

Var, 13° 50' East.

39.38 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 N, & S, of post 5 $\frac{1}{2}$ ft. dist
and raised a mound of

Subdivision Y, 1571, R, 31, E, Continued

Chorins

48.72 Cross wash 10 lks wide down
S. 77, and ascend81.00 Set a pond str 15 x 10 x 6 ins
10 ins. in the ground for Cor.
to Secs. 28-29-32-33 marked
with 1 notch on S, and 4 notches
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 side

Pond ceiling

Soil 2nd cat

Vegetation: Bunch grass

Timber of Pine & Cedar

Subdivision T, 15 N, R 31 E, (Continued)

Chairs East on a random line between
Sections 28 + 33

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

37.13 Cross mark 10 lks. wide corner
S. 20' N. and ascend.

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

50.22 Intersect N. + S. line 31 lks
S. of cor. + Secs. 27-28-33-34
from which Cor. I run
S. $89^{\circ} 47'$ N. on a true line
between Sections 28-33

Var. 14° East

40 11 Set a post 3 ft. long 3 ins. diam
with marked stem 12 ins. in
the ground for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ S. on N. face, dog
pits 18 x 18 x 12 ins E. + N. of

Subdivision T, 15 N, R. 31 E, G, & S, R. W.

Chairs post 5 1/2 ft. dia., and
 raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. over crown
 post.

St. 22 The Current Secs 28-29-32-33
 Long rolling
 Soil 2 feet
 Vegetation Bush grass
 Timber of Pine & Cedar

North between Secs. 28-29
 Str. 13' 56' East
 Ascend.

St. 00 Set a post 3 ft. long 3 ins.
 diam. with marked Stone
 17 ins. in the ground for 1/4 Sec.

Subdivision T, N. W. R. 31 E, Continued

Wires Cr. marked $\frac{1}{4}$ S₁ on N. face,
 dug pits 18 x 18 x 12 ins N. & S,
 of post 5 $\frac{1}{2}$ ft. dia., and
 raised a mound of earth
 17 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base around
 post

So. 00 Set a post 4 ft. long 4 in's
 square with marked stone
 12 in's, in the ground for Cr.,
 to Secs. 20-21-28-29 marked
 T. 15 N. S. 21 on N. E.
 R. 31 E, S. 28 on S. E.
 S. 29 on S. W. and
 S. 20 on N. W. faces with
 4 white on E, and 2 white
 on S. edges, dug pits 18 x 18 x 12
 ins, in each Sec 5 $\frac{1}{2}$ ft. dia.,

Subdivision T. 15 N., R. 31 E., Continued

Chorus and raised a mound
 of earth 2 ft. high 4 ft.
 over around post
 Land rolling
 Soil 2nd rat
 Vegetation ~~of~~ Bunchgrass
 Timber of Cedar

Each on a random line between
 Section 21 and 28
 Var. 13' 50' Each

Descend

40.00 Sec temporary $\frac{1}{4}$ Sec. Cor.
 So. Nth Intersect N. & S line 16 lbs
 S. of Cor. & Secs. 21-22-27-28
 from which Cor. I run

Subdivision T. 15 N. R. 31 E. Continued

Chairs S. 89° 53' N. on a true line
between Sections 21-28

Cor. 13° 55' East

40.08 Set a post 3 ft. long 3 ins. diam.
with marked stem 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. & N. of post $\frac{1}{4}$
ft. dist and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
over around post.

8815 The Cor. to Sics. 20-21-28-29
Good welling
Soil 2^o cat
Vegetation Bunchgrass

Subdivision I, 15 N., R. 31 E. Continued

Chains North between Sections 20-21

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

Descend

40.00 Set a post 3 ft. long, 3 ins. diam., with marked pt on 12 ins. in the front, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face, dug 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. over around post, from which a cedar 9 ins. diam., bears N. 37° N. 49 lbs. dist., marked $\frac{1}{4}$ S. B. T.

58.61 Cross wash 12 lbs. wide
Course N. 70° N. and ascend

Subdivision T. 15 N. R. 31 E. S. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21

Chains

\$0.00

Set a post 4 ft. long 4 ins. square with marked stone 12 ins. in the ground for Cor. to Secs. 16-17-20-21 marked T. 15 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. face with 4 notches on E. and 3 notches 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. over around post.
 Good rolling
 Soil 25 rot
 Vegetation: Bunchgrass
 Timber of Cedar

Subdivision J, 15 N. R. 31 E, Continuum

Chains Each on a random line
between Sics. 16 and 21

Var. $13^{\circ}43'$ East

Descend

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

79.88 Intersect N. & S. line 19.

lks. N. of Cor. to Sics 15-16
21-22 from which Cor. Run
N. $89^{\circ}52'$ N. on a true line
between Sections 16-21

39.

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

13.94 Set a post 3 ft. long 3 ins.
diam with marked stone
12 ins. in the ground for $\frac{1}{4}$
S. e. Cor. marked $\frac{1}{4}$ S. on
N. of a cor. dug pits 18 x 18 x 12
ins. E. and N. of post

Sub division T. 15 N. R. 31 E. Continued

Chairs 5 1/2 ft. dist, and raised
 a mound of Earth 1 1/2 ft
 high 3 1/2 ft. bar around post
 79.88 The Cor. to Sics. 16-17-20-21
 Land rolling
 Soil 2nd rate
 Vegetation Bunch grass
 Timber of Pine & Cedar

North between Sics 16-17
 Cor. 13° 43' East

Descend

40.00 Set a post 3 ft. long 3 ins.
 diam. with marked iron
 12 ins. in the ground for 1/4
 Sec. Cor. marked 1/4 S. on

Subdivision T, 15 N. R. 31 E. Continued

Chains N. face, dug pits 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 3 1/2
ft. base around post.

8000 Sit a post 4 ft. long 4 ins. square
with marked stem 12 ins in its
found for Cor. to Sics. 8-9-16-17
Marked T. 15 N. S. 9 on N. E.
R. 31 E. S. 16 on S. E.

S. 17 on S. W. and
S. 8 on N. N. face with
4 notches on E. & W. edges.
Dug pits 18 x 18 x 12 ins in each
Sic. 5 1/2 ft. dist., and raised
a mound of earth 2 ft. high
4 1/2 ft. base around post

Subdivision T. 15 N. R. 31 E. Continued

Chains
 Long rolling
 Soil 2nd cat.
 Vegetation of Bush grass
 Timber of Pine & Cedar

East on a random line
 between Sics 9-16

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

Ascend

40.00 Sub temporary $\frac{1}{4}$ Sic. Cor.

52.50 Top of ridge, bear N, 80° E, and
 S, 80° W, and descend

80.37 Intersect N. & S. line 36 lds.
 North of Cor. to Sics, 9-10-15-16
 from which Cor. I run
 N, $89^{\circ}45'$ W, on a true line between
 Sics. 9-16 Cor. $13^{\circ}52'$ East

Subdivision T. 15 N. R. 31 E. Antennial

Chocoma

4069 Set a pond 16 x 14 x 10 ins.
11 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone along side

Pits impracticable

St. 37 the Cor. to Secs. 8-9-16-17

Land mountainous

Soil 3rd rate

Timber of Pine & Cedar

Vegetation of Bunchgrass

North between Secs. 8-9

& Ar. $13^{\circ} 45'$ East

Descend

Subdivision T. 15 N., R. 31 E., Continued

46.00

Set a post 3 ft. long 3 ins. diam. with marked straw 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.

86.00

Set a post 4 ft. long 4 ins. square with marked straw 12 ins. in the ground for Cor. to Sec. 4-5-8-9. Marked T. 15 N. S. 4 on N. E. R. 31 E. S. 9 on S. E. S. 8 on S. N. and S. 5 on N. N. face with

Sub division T, 15 N, R 3, E, Continued

Chairs 4 notches on E, and 5 notches
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. over
around post

Found collingy

Soil 2nd cat.

Vegetation: Birch grass

I carefully examined the
adjustment, of my Solar
Compass today particularly
the latitude and reversing
apparatus and found
them correct

July 20 1882

Subdivision T. 15 N. R. 31 E. Continued

Chains East on a random line
between Sics. 4 and 9
Var. $13^{\circ} 48'$ Each

Ascend

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

73.50 Top of ridge, bears N. 80° E
and S. 80° W. and descend

80.45 Intersect N. & S. line 18 lks

S. of Cor. to Sics. 3-4-9-10
from which Cor. I run

S. $89^{\circ} 52'$ W. on a true line
between Sics. 4-9

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

40.23 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, day

Subdivision T. 15 N. R. 31 E. Continued

Chimney pits 18 x 18 x 12 ins. E. & W. of
 post 5 1/2 ft. dia and raised
 a mound of earth 1 1/2 ft.
 high 3 1/2 ft. over around
 post.

S. 45th Cor. to Secs. 4-5-8-9
 Good rolling
 Soil 2nd rate
 Vegetation Bunch grass
 Timber of Cedar

North on a random line
 between Secs. 4 and 5
 Var. 13° 48' East.

Ascend

4000 ft temporary 1/4 Sec. Cor.

Sub division T. 15 N., R. 31 E., Continued

Chains

79.64

Intersect North Boundary
of Township 13 lks. N,
of Cor. to Sics. 4-5-32-33,
which is a post 4 in square
firmly set in earth mound
with marked. Iron set in the ground
and marked

T 16 N., S. 33 on N.E.

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

T. 15 N., S. 5 on S. N., and

S. 32 on N.W. faces with 4

notches on E. and 2 notches

on W. edges

Thence Run

S. 6' N. on a true line between

Sections 4-5

Or $13^{\circ} 46'$ East

Subdivision T. 15 N., R. 31 E., Continued

Chains

39.64 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. & S. of post 5 $\frac{1}{2}$ ft. dia. and raised a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. over ground for

79.64 The Cor. to Secs. 4-5-8-9
 Land rolling
 Soil 3rd rate
 Vegetation: Bunch grass

Subdivision T. 15 N., R. 31 E., Continued

Chairs from South Boundary of
Township, Cor. to Secs 5-6
31-32 which is a post 4 in.
square firmly set in mound
of earth, with marked stone
and pits, marked
T. 15 N. S. 32 on N.E.
R. 29 E. S. 5 on S.E.
T. 14 N. S. 6 on S. N. and
S. 31 on N. W faces with
5 notches on E, and 1 notch
on N. edges I am
North between Section 31 & 32
Cor. 13° 55' Each

Ascend

4000 Set a sound stone 13 x 12 x 8 in
9 in. in the ground for 1/4 Sec

Subdivision T. 15 N. R. 31 E. Continued

Shoer Cor. marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins N. & S.
 of Stom $5\frac{1}{2}$ ft. dist and
 raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside

80.00 Set a round stone $16 \times 12 \times 9$
 ins 11 ins, in the ground for
 Cr to Dec. 29-30-31-32
 marked with 5 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 alongside.
 Round rolling
 Soil 2 rat

Subdivision T. 15 N., R. 31 E., Conlinwell

Chairs Timber of Pine + Cedar
Vegetation of Branch pass

East on a random line between
Secs. 29-32

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

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

79.82 Intersect N. + S. line 28

lks. S. of corner to Section
28-29-32-33, from which
Cor. & run

S. $89^{\circ} 48' N.$ on a true line
between Section 29-32

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

39.91 Set a round stone $10 \times 10 \times 4$

ins 11 ins in the ground for $1/4$

Subdivision T. 15 N. R. 31 E. Continued

Chorus Sec. Cor. marked $\frac{1}{4}$ on N.
face, dug pit, 18 x 18 x 12 ins.
E. and W. of stone $5\frac{1}{2}$ ft.
diam. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. over along side

79.82 The Cor. to Section 29-30-31-32

Land rolling

Soil 2nd rate

Timber of Pine & Cedar

Vegetation Bush grass

Nest on a random line
between Secs. 30-31

Var. 13° 50' East

Ascend

Subdivision T. 15 N. R. 31 E. Continued

Choins

46.00
80.26

Set temporary $\frac{1}{4}$ Sec. Cor.,
Intersect West Boundary
of Township 52 lks north
of Cor. to Secs. 25-30-31-36
which is a round stone 16 x
11 x 6 ins firmly set in the
ground with mound of earth
around side and pit, marked
1 notch on S. and 5 notches
on N. edges.
Then I ran

N. on a true line between sections
30 31

✓

Cor. 13° 58' East

4076

Set a round stone 14 x 8 x 6
ins, 9 ins in the ground for $\frac{1}{4}$

Subdivision T. 15 N., R. 31 E., Continued

Choirs Sec. Cor marked $\frac{1}{4}$ on N. face
and raised a mound of
stone along side.

Pit impracticable

80.26 The Crown to Sections 29-30-
31-32

Load rolling

Soil 3rd rate

Vegetation Bunch grass.

North between Secs, 29-30

Pl. $13^{\circ} 50'$ East

Ascend

4000 Set a pond stone $17 \times 10 \times 8$ ins
7 ins. in the pond of N $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{2}$ on N. face

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

Choir and raised a mound of
stone along side

Pits impracticable

86.00

Set a sand stone 12 x 10 x 9 ins.
8 ins. in the front for Cor to
Secs 19-20-29-30 marked
with 5 notches on E, and 2
notches on S. edge, and raised
a mound of stone along side

Pits impracticable

Land rolling

Soil 2nd rate

Trunks of Pine + Cedar

Vegetation Bunch grass

Subdivision T. 15 N., R. 31 E., Continued

Chains East on a random line
between Secs. 20-29

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

Descends

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

80.23 Intersect N. + S. line 14 lks.
N. of Cor, to Secs. 20-21-28-29
from which Cor. I run

N. $89^{\circ} 54' W.$ on a true line
between Secs. 20-29

Var $13^{\circ} 50'$ East

40.12 Set a post $5\frac{1}{2}$ ft long 3 ins. diam.
with marked stem 12 ins. in
the ground for $\frac{1}{4}$ Sec. Cor. marked
 $\frac{1}{4}$ S. on N. face. dug pit
 $10 \times 10 \times 12$ ins E. and W. of
post $5\frac{1}{2}$ ft. dia. and raised

Subdivision J, 15 N, R. 31 E, Continued

Chrous a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base around post.
 80213 The Corner to Secs. 19-20-29-30
 Land rolling
 Soil 2⁵ cat
 Vegetation Bunch grass
 Trunks of Pine & Cedar

West on a random line
 between Secs. 19 and 30
 Var. $13^{\circ} 54'$ Each

Descend

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
 79.84 Interest N. Boundary of
 Township 25 N. R. 31 E. of Cor.
 to Secs. 19-24-25-30

Subdivision T. 15 N., R. 31 E., Continued

Chorus which is a pond stone
 18 x 10 x 5 ins. firmly fixed in
 earth mound, with pits, and
 marked with 4 notches on N
 2 notches on S, edges
 thence I run
 N. 89⁴⁵ E. on a tran line between
 Secs. 19 and 30

Var. 14° East

39.84 Set a pond stone 11 x 10 x 9 ins
 7 ins. in the front for $\frac{1}{4}$ sec.
 Corns. marked $\frac{1}{4}$ on N. face
 dug pits 18 x 18 x 12 ins E, & N,
 of stone 3 $\frac{1}{2}$ ft. ditch and
 raised a mound of earth
 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. for alongside

Subdivision T. 15 N. R. 31 E. Continued

Chains

7984 The Cor. to Secs. 19-20-29-30

Lead colling

Soil 25' cat.

Vegetation Bunch grass

Timber of Pine & Cedar

North between Secs. 19-20

Var. 13° 54' East

Ascend

40.00 Set a sand stone 16 x 12 x 8 in's
 11 in's in the ground for 1/4 Sec.
 Cor. marked 1/4 on W. face,
 dug pit 18 x 18 x 12 in's N. and
 S. of stone 5 1/2 ft. dia., and
 view a mound of earth 1 1/2 ft. high

Subdivision T. 15 N., R. 31 E., Continued

Chorus 3 1/2 ft. bar along side
 \$0.00 Set a post 4 ft. long 4 ins. square
 with marked top 12 ins. in
 the ground for Co. & Secs. 19-20 -
 17-18 marked
 T 15 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. face with 5
 notches on E. and 3 notches
 on S. sides, 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. bar around post
 Long colling
 Soil 2⁵ cuts

Subdivision T. 15 N., R. 31 E. Continued

Chorus Vegetation Bunch grass
Timber of Pine + Cedar

East on a random line between
Section 17 and 20
Bearing $13^{\circ} 50'$ East
descend

40.00 1st Temporary 1/4 Sec. Cr.

44.38 Cross wash 14 lks wide

Cross N. W. and ascend

8032 Intersect N. + S. line 21

lks. S. of Cr. to Secs. 16-17-20-21

from which Cr. I run

S. $89^{\circ} 51'$ N. on a true line

between Secs. 17-20

Bearing $13^{\circ} 43'$ East

Subdivision T. 15 N. R. 31 E, Continued

Chains

No. 16

Set a sand stone 16 x 11 x 5 ins
 11 ins. in the ground for $\frac{1}{4}$ Sec
 Cr. marked $\frac{1}{4}$ on N. face and
 raised a mound of stone alongside
 Rtz impracticable

So. 32

Th Cr. to Secs. 17-18-19-20

Land rolling

Soil 2⁵ cat

Vegetation Bunch grass

Timber of Pine & Cedar

West on a random line
 between Secs. 18-19

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

Descend

Subdivisions T. 15 N., R. 31 E. Continued

Chains

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

49.91 Intersect West Boundary
of Township 13 lks N. of Cor.
to Secs. 13-18-19-24 whci
is a sand stone $16 \times 12 \times 4$ ins
set firmly in earth mound
with pits and marked with
3 notches on N. + S. edges
thence I run

N. $89^{\circ} 54'$ East on a true
line between Secs 18-19

N. $14^{\circ} 02'$ East

39.91 Set a sand stone $16 \times 12 \times 4$
ins, 11 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N.
face and raised a mound

Subdivision I, 15 N., R. 31 E., Continues

Chains of ston alongside.

Pits impracticable

79. 91 The Cor. to Secs. 17-18-19-20

Land rolling

Soil 2^d cat.

Vegetation Bunch grass.

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

July 21, 1882

Subdivision T. 15 N., R. 31 E., Continued

Chorus North between 17-18

Dec, 13° 50' East

Descent

31.85 Cross mark 10 lts wide corner
N. ⁶⁰ W. and ascend40.00 Set a post 3 ft. long 3 ins. diam.
with marked stone 12 ins. in it
found for $\frac{1}{4}$ S. E. Cor. marked
 $\frac{1}{4}$ S. on N. face, dug 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. top
around post.50.00 Set a post 4 ft. long 4 ins. square
with marked stone 12 ins. in
the front for Cor. to Decs 7-8-
17-18 marked

Subdivision T. 15 N. R. 31 E. Continued

Chairs T 15 N, S. 8 on N.E.,
 R. 31 E, S 17 on S.E.,
 S. 18 on S. N and
 S. 7 on N. N faces with 5
 notches on E. and 4 notches
 on S. edges, dug pit 18 x 18 x 12
 ins. in each Sic 5 1/2 ft. disk
 and raised a mound of
 earth 2 ft. high 4 1/2 ft. toer
 Around post.
 Land rolling
 Soil 2nd rot
 Vegetation Bunchgrass
 Timber of Cedar

East on a random line

Subdivision T. 15 N R. 31 E. Continued

Chains between Secs 8-17

Var $13^{\circ} 50'$ East

Ascend

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

79.96 Interest N. & S. line 29 lks

S. of Cor. to secs 8-9-16-17

from which Cor. I ran

S. $89^{\circ} 48'$ N. on a true line

between Secs 8-17

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

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 $18 \times 18 \times 12$ ins E. & N. of post $3\frac{1}{2}$ ft. dia, and raised amound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$

Subdivision T. 15 N. R. 31 E. Continued

Chains fl. base around post
 79.96 2nd Cor. to Secs. 7-8-17-18
 Land Mountainous
 Soil 3rd cat
 Timber of Cedar
 Vegetation Bunch grass

Nest on a sandstone vein
 below Secs 7-18

Dip. 13° 50' East

Descend

18.00 Cross low pass and ascend
 40.00 Set temporary 4th Sec. Cor.
 79.87 Interset Nest Boundary
 of Township 36 lbs S. of
 Cr. to Secs 7-12-13-18

Subdivision T. 15 N. R. 31 E. Continues

39.87
 Which is a sand stone firmly
 set in mound of stone marked
 with 2 notches on N. and 4
 notches on S. 1 deep, no pits,
 there I saw

S. $89^{\circ}45' E$, on a true line
 between Pres. 7-18

W. $14^{\circ}03' East$

39.87 Set a post 3 ft. long 3 ins.
 diam with a marked stone
 12 ins. in the ground for $\frac{1}{4}$ sec.
 Cor. marked $\frac{1}{4}$ S. on N. face
 dug pit $18 \times 18 \times 12$ ins E. and
 N. of post $5\frac{1}{2}$ ft. dia and raised
 a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft. base around post

39.87 The Cor. to Pres. 7-8-17-18
 Sand Mountain as

Subdivision T. 15 N. R. 31 E. Continued

Chain Soil 3rd rate
 Timber of Cedar
 Vegetation Bunchgrass

North between Secs. 7-8
 Var. 13° 50' East

Descend

- 37.16 Cross low bay and ascend
 46.00 Set a post 5 ft. long 3 ins. diam
 with marked stone 12 ins. in
 the front for 1/4 Sec. Cor. marked
 1/4 S. on N. face, dug pits 18 x
 18 x 12 ins. N. & S. of post 5/8
 ft. thick, and raised a
 mound of earth 1 1/2 ft. high
 3 1/2 ft. diam around post.
 80.00 Set a post 4 ft. long 4 ins. Square

Subdivision T. 15 N., R. 31 E., Galena

Chairs with marked stone 12 ins. in
 the ground for Cor. to Secs. 5-
 6-7-8 marked
 T 15 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 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
 Land mountainous
 Soil 3rd cat
 Timber of Cedar
 Vegetation Bunchgrass

Subdivision T. 15 N., R. 31 E., Continued

Chains East on a random line
between Secs. 5 and 8
Var., $13^{\circ} 50'$ East

Ascend

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
37.00 Top of Spar, bears N., 10° E +
S., 10° N., and descend

49.72 Intersect N + S. line 13 lks.
S. of Cor. & Secs. 4-5-8-9
from which Cor. I run
S. $89^{\circ} 54'$ N., on a true line
between Secs. 5-8

Var., $13^{\circ} 48'$ East

39.86 Set a post 3 ft. long 3 ins. diam.
with marked stem 12 ins.
in the ground for $\frac{1}{4}$ Sec Cor.
marked $\frac{1}{4}$ S. on N. face, day
pit $18 \times 18 \times 12$ ins E. + N of
post $5\frac{1}{2}$ ft. dist and raised

Subdivision T. 15 N. R. 31 E. Continued

Chorus a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ feet around post
 79.82 The Cr. to Sec. 5-6-7-8
 Sand mountainous
 Soil 3rd rate
 Timber of Cedar
 Vegetation Bunch grass

Went on a random line between
 Section 6 and 7

Mag. $13^{\circ}50'$ East

Ascend

25.00 Top of ridge, trans N. + S.

and descend.

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

50.12 Intersect West Boundary
 of Township 8 N. of

Subdivision T. 15 N. R. 31 E. Continued

Chairs Cr. to Secs. 1-6-7-12 which
is a Sand Stone set firmly
in mound of earth, with pit,
marked with 1 notch on N,
and 5 notches on S.

Then I saw
N. 89° 57' E. on a true line
between Secs. 6-7

Variation 13° 58' East

H.O. 12 Set a post 3 ft. long 3 ins. diam.
with marked stone 12 ins. in
the ground for $\frac{1}{4}$ Sec. Cr.
marked $\frac{1}{4}$ S. on N. face, dug
pit, 10 x 18 x 12 ins. E. & W. of
post 5 $\frac{1}{2}$ ft. dia. and raised
a mound of earth 1 $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base around post

Subdivision T. 15 N. R. 31 E. Continued

Chains

50.12 Wm Cor. to Secs. 5-6-7-8
 Land Mountainous
 Soil 3rd cat.
 Timber of Cedar
 Vegetation Birch grass

North on a random line
 between Secs. 5 & 6

Cor. 13° 50' East

Ascend

4.50 Top of ridge, bears E. and
 N. and descend

40.00 Set temporary 1/4 Sec. Cor.

473.11 Cross gulch 15' lks wide
 Course N. and ascend

4987 Intersect N. Brandy

Subdivision T. 15 N. R. 31 E. Continued

Chairs

of Township 34 lks E. of
 Cr. to Secs. 5-6-31-32
 which is a post 4 ins square
 set firmly in ground of
 south with pits, marked
 T 16 N. S. 32 on N. E.
 R. 31 E. S. 5 on S. E.
 T. 15 N. S. 6 on S. N. and
 S. 31 on N. N. face with
 5 notches on E. & 1 notch
 on N. face edges

Then a line
 S. 15' each on a true line
 between Secs. 5-6

Then 13° 54' each

39.87

Set a post 3 ft. long 3 ins
 diam. with marked true
 12 ins. in the ground for 1/4

Subdivision I. 15 N. R. 31 E. Continued

Chimney
 Sec. Cor marked $\frac{1}{4}$ S. on
 N. face, dug pit $10 \times 18 \times 12$
 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.

49.87

The Cor. to Secs. 5-6-7-8
 Low mountainous
 Soil 3rd cat

Timber of Pine + Cedar
 Vegetation Bunch grass

July 22 1882

General Description

The land in this Township is Mountainous and rolling. The soil 2^d and 3^d are producing abundance of Bunch grass. Timber of Pine & Cedar is found in all parts of the Township. A Considerable portion of the land is valuable for grazing purposes.

Manuel Chariz has a house, Corral, and a number of acres under Cultivation in Section 5 of this Tp. Valued at three hundred dollars & over

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

The foregoing Field Notes of the survey of

Subdivision Lines

of Township 15 North,

Range 31 East,

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

D. S., under his contract of the 29th day of

April, 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. Robinson

Surveyor General.