

14

1.

BOOK 661

No. 661

Fractional

4-671

661

FIELD NOTES
GENERAL LAND OFFICE

Subdivision

& Meanders

of

T. 6. S. R. 27 E.

Field Notes.

of the Resurvey of the
South Boundary. And the
Survey of the
Subdivision and Meridian Lines.

of.

Fractional Sp. C. S. R. 27. E.

of the

Principal Base and Meridian
in the

Territory of Arizona

Alfred L. Treppel,

U. S. Deputy Surveyor

As. Surveyed by

Philip Coutzen.

Compassman.

under Contract No. 29;

dated June 17. 1895

Survey Commenced Dec. 7. 1895

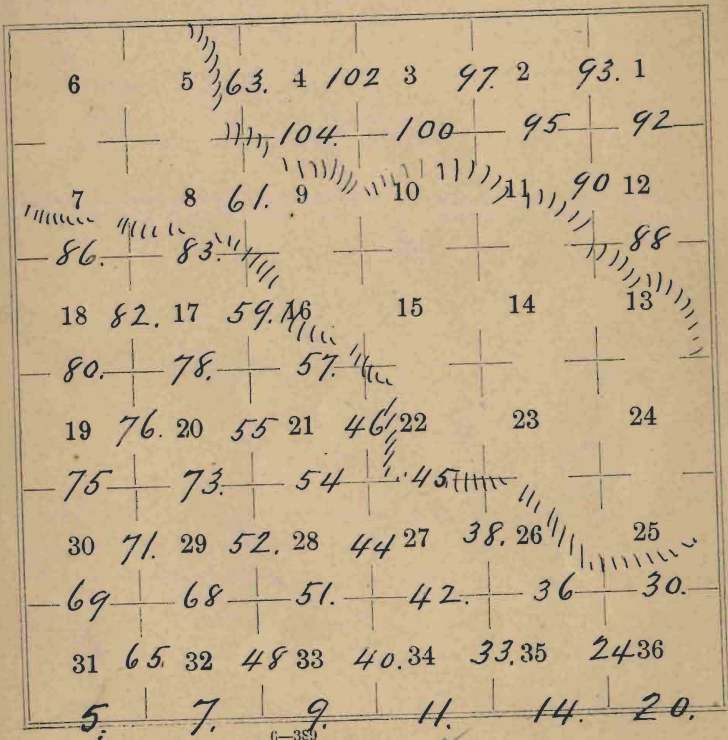
Survey Completed Feby. 19. 1896.

Index for — BOOK 661
 — BOOK 662

1A

(4-674.)

Township G.S. R. 27. E



Meanders of Gila River Pages 106 to 110

13

BOOK 661

1

Resurvey of South Boundary of

December 7. At the Cor. of Sps. 6th and 7. S. R.S. 27th and 28th E. as recently reestablished by me and Gerin before described at 8^h 0^m a.m., l.m.t. I set off $32^{\circ}52'$ on the lat. arc. $22^{\circ}35'S$, on the decl. arc, and mark a point in the true meridian, determined with the Solar, by a cross on the Stone Set. December 5th, 5.00 hrs. N. of the Cor, this mark falls 0.1 in. East of the true meridian established by the Polaris observation. The Solar thus defines the true meridian with sufficient accuracy, hence I conclude the adjustments of the transit are satisfactory.

J. C. S. R. 27. E.

chain Thence I run.

N. $89^{\circ}53'$ W, on a random line, bet. Tps. 6^{and} 7, S. R. 27E, in accordance with the field notes, furnished me by the Surveyor General.

- 40.00 old $\frac{1}{4}$ Sec. Cor. S. 8 lks, dist.
 80.00 old Sec. Cor. trans. S. 16 lks, dist.
 120.00 old $\frac{1}{4}$ Sec. Cor, trans. S. 24 lks., dist.
 160.00 old Sec. Cor, trans S. 32 lks. dist.
 199.89 old $\frac{1}{4}$ Sec. Cor, trans S. 40. lks. dist.
 239.71 old Sec. Cor, trans. S. 48 lks. dist.
 279.65 old $\frac{1}{4}$ Sec. Cor, trans. S. 56. lks. dist.
 319.56 old Sec. Cor, trans. S, 64 lks. dist.
 359.09 Old $\frac{1}{4}$ Sec. Cor bears S. 72 lks. dist.
 399.22 Old Sec. Cor, trans. S. 80. lks. dist.
 437.66 old $\frac{1}{4}$ Sec. Cor, trans. S. 88 lks. dist.
 477.50 Cor. of Tps. 6^{and} 7. S. R. 26^{and} 27E
 trans. S. 96 lks. dist. as.

Resurvey of South Boundary

Chains recently reestablished by me, and heretofore described. The fulling answers to a Correction of $0^{\circ}7'$ or. 16 lks. S. per mile, Counting from S.E. Cor. of the Sp.

December 7. 1895

As I find this line differs materially in Course, also the Corners in position from that given in the original field notes, furnished me by the Surveyor General I write the Surveyor General for authority to resurvey this line, and for the proper prosecution of my work; the Surveyor

J. G. S. R. 27. E.

General. by letter dated
December 23, 1895, authorizes
me to make such resurvey,
as follows.

February 9, 1896.

February 9: At the Cor. of Sps.
6th and 7. S. R. S. 26th and 27. E. as
reestablished by me, November
28, 1895, and here in before described
At 8^h 0^m a. m., I. m. t., I set
off $32^{\circ} 52'$ on the lat. arc.
 $14^{\circ} 40' S$, on the decl. arc.;
I determine a true meridian
with the Solar, and mark
the same on the Stone already
set. 5.00 chs. N. of the Cor.;
this mark falls. 0.2 ins. East
of the true meridian, established

Resurvey of South Boundary

Chains by the Polaris observations,
taken, November 28, 1895.

The Solar apparatus thus
defines position of the true
meridian with sufficient
accuracy; thus I conclude
the adjustments of the
instrument are satisfactory.

Thence I run,
East, on a true line

bet. Secs. 6th & 31

Va. $12^{\circ} 32' E.$

over level land.

- 35.82 Begin descent, brook. N. & S.
37.00 Ectis bottom, brook. N. & S.
38.44 original position of old $\frac{1}{4}$ Sec. Cor.
Set a Malpais Stone $20 \times 12 \times 8$ ins,
15 ins, in the ground, for $\frac{1}{4}$
Sec. Cor., marked $\frac{1}{4}$ on N. face;

T. 6. S. R. 27. E.

- chain dig pits 18x18x12 ins, E. & W.
of Stone 3rd dist, and raise
a mound of earth 3 1/2 ft, base
1 1/2 ft. high, N. of Cor.
I find decayed post, and faint
trace of old pits & mound.
- 42.12 Dry wash, 60 lbs. wide, flows S.
- 45.00 Enter mesa, bears. N. & S.
- 53.80 Road from Solomonsville to mines,
bears. N. & S.
- 54.66 Trail, bears. N. & S.
- 58.85 Dry wash, 12 lbs. wide, flows S.
- 78.28 original position of old Sec. Cor.
Set a Malpais Stone, 12x10x7 ins.
8 ins, in the ground, for Cor. of
Secs. 5, 6, 31. ^{4th} & 32, marked
T. 6. S. on N.E.
R. 27. E. on S.E.
T. 7. S. on S.W., ^{base.} with 1 notch

Resurvey of South Boundary

Chains on W. and 5 matches on E. edges, and raise a mound of Stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of Cor. pits impracticable. old post much decayed, which I destroy.

Land, level mesa

Soil, gravelly; 2^d rate

No timber. Scattering Grease-wood undergrowth

East on a true line

bet. Secs. 5. ^{4d} and 32.

over level land

39.53 original position of old $\frac{1}{4}$ Sec Cor. Set a malpais Stone $15 \times 12 \times 10$ ins. 10 ins. in the ground, for $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$ ins. E. & W. of

T. 6. S. R. 27. E.

- chain Stone 3 ft., dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of Cor. old post. much decayed & marks obliterated, which I destroyed
- 68.40 Begin descent
- 70.00 Enter bottom, trans. N. & S.
- 72.50 Dry wash, 20 lbs. wide, flows S.
- 72.70 Begin ascent
- 73.00 Top, enter mesa
- 75.26 Road to mines, trans. $N10^{\circ}W + S10^{\circ}E$
- 79.66 original position of old Sec Cor. Set a Malpais Stone, $20 \times 12 \times 4$ ins., 15 ins., in the ground, for Cor. of Secs. 4, 5, 32 & 33, marked T. 6. S. on N.E.
- R. 27 E. on S.E. and
T. 7 S. on S.W. face, with 2 notches on W, and 4 notches

Resurvey of South Boundary

chains on E. edges, dig pits $18 \times 18 \times 12$ ins., in each Sec., $5\frac{1}{2}$ ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of Cor. A mesquite 4 ins. diam. bears $S 41^\circ W$ 100 Yds. dist marked T. J. S. R. 27 E. S. 5. B. L. -

No other trees within limits

I find a small mound of stone at the original Cor. No post.

Land level

Soil. gravelly 2^d rate

No timber. greasewood undergrowth

East. on a tree line
bet. Secs. 4th & 33.

over level mesa land

39.94 original position of old $\frac{1}{4}$ Sec Cor.
Set a malpais stone, $20 \times 10 \times 5$ ins.

I. C. S. R. 27. E.

Chavis 15 ins, in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face; and raise a mound of Stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of Cor. Pits impracticable.

Faint trace of old mound of Stone,
No old post. found

43.13 Dry wash, 14 lks. wide, flows S.

72.68 Road, bears N.E. & S.W.

75.88 Road, bears N.W. & S.E.

77.50 Dry wash, 8 lks. wide, flows S.

79.85 Original position of old Sec. Cor.,
Set a malpais Stone 12x12x6 ins,
8 ins, in the ground for Cor. of
Secs. 3. 4. 33 & 34, marked
I. C. S. on N.E.

R. 27 E on S.E. and

T. 7 S. on S.W. faces, with 3
notches on E. & W. edges, and

Resurvey of South Boundary

Chains and raise a mound of Stone,
2 ft. base, 1 1/2 ft. high, W. of Cor.
Pits impracticable.

I find a small mound of
Stone, but no old post.

Land level mesa

Soil, gravelly; 2^d rate

No timber, greasewood and
ocotillo undergrowth.

East on a true line

bet. Secs. 3rd and 34.

over level land

- 9.87 Trail, bears N.W. + S.E.
16.73 Begin descent, bears S.S.E. + N.N.W.
22.00 Enter bottom.
26.55 Dry wash, 20 yds. wide, flows S.E.
28.00 Begin ascent Spur of mesa,
bears N. + S.

T. 6. S. R. 27. E.

- ^{obs.}
 33.77 Tap. & descend to Gila Valley, bears
 N.T.S.
- 39.89 original position of old $\frac{1}{4}$ Sec. Cor.
 Set a Malpais Stone 18x12x8 ins.
 12 ins. in the ground, for $\frac{1}{4}$ Sec.
 Cor. marked $\frac{1}{4}$ on N. face, and
 raise a mound of stone, 2 ft. base,
 $1\frac{1}{2}$ ft. high, N. of Cor.
 Pits impracticable
 A Mesquite 10 ins. diam., bears
 $S 8\frac{1}{4}^{\circ} E$ 296 lks. dist., marked
 $\frac{1}{4}$ S. B.S.
 A Mesquite 7 ins. diam., bears
 $N 58\frac{1}{2}^{\circ} W$ 270 lks. dist., marked
 $\frac{1}{4}$ S. B.S. the above are the
 original bearing trees referred
 to in the field notes.
- 41.00 East Gila bottom, bears. N.T.S.
- 45.00 East Mesquite timber, bears. N.T.S.

Resurvey of South. Boundary

- chs.
- 60.00 Jesus Montes house, bears S. 3. chs.
- 66.67 Road, bears N.E. & S.W.
- 67.52 Road, bears N.E. & S.W.
- 71.20 Pig Pen, bears N. 30 lks. dist.
- 78.50 Wire fence, from N 80° E & S 80° W
- 79.71 original position of old Sec. Cor.
 Set a malpais stone 15x7x6 ins,
 10 ins, in the ground for Cor. of
 Secs. 2, 3, 34 & 35, marked
 T. 6. S. on N.E.
 R. 27 E. on S.E. and
 T & S. on S.W. faces, with 4
 notches on W. and 2 notches on
 E. edges, dig pits 18x18x12 ins
 in each Sec. 5 1/2 ft. dist, and
 raise a mound of earth 3 1/2
 ft. base 1 1/2 ft. high W. of Cor.
 A Willow 8 ins. diam, from
 S 30 1/4° E 197 lks. dist, marked

T. 6. S. R. 27. E.

Chains T. 7 S. R. 27 E. S. 2. B. T.
Benitas Bargas House, bears N 62° E
10 chs. dist.

J. Paderes House bears N 78° W
9.00 chs. dist.

Faint trace of old pits and mound
No Post or charred Stake found,
all original bearing trees cut down

Land level and rolling
Soil, sandy loam, & gravelly, 1st & 2^d rate.
Timber, Mesquite, Greasewood and
Sage surrounding.

East on a true line

bet. Secs. 2. and 35.

over level land

- 1.20 E. to Plowed land, bears N.E. & S.W.
6.03 Ditch, 10 lbs. wide, flows S.W.
8.23 Wire fence, bears N. & S. and leaves
Plowed land

Resurvey of South Boundary

- | chs. | |
|-------|---|
| 9.92 | Road, brass. N.T.S., House brass. N.
5. chs. dist. |
| 19.40 | Wire fence, brass. N.T.S. |
| 25.80 | Wire fence, brass. N88°E + 588°W |
| 29.09 | Enter road from S.W. |
| 32.80 | leave same road, running N.E. |
| 32.98 | Gate in fence, brass. N. 20 lks. |
| 40.00 | original position of old 1/4 Sec. Cor.
Set a malpais Stone 15x10x4 ins
10 ins. in the ground, for 1/4 Sec. Cor.
marked 1/4 on N. face,
A Willow 12 ins. diam. brass
S88°E 21 lks. dist. marked
1/4 S. B.T.
A Jaraiso 4 ins. diam, brass
N1 1/4°E 69 lks. dist. marked
1/4 S. B.T.
I find faint trace of old pits
and mound, but no Post. changed |

T. B. S. R. 27. E.

- Chains. Stake, or old bearing trees.
- 40.80 Wire fence, bears. N. & S.
- 41.70 Road, bears. N.E. & S.W.
- 49.79 Right bank, of Gila River, bears. N.E. & S.W.
 Set a granite Stone 24x18x6 ins.
 18 ins. in the ground, for Meander
 Cor. of fractl. Secs. 2 and 35, marked
 M.C., on E. with 6 grooves on S
 face, dig a pit 36x36x12 ins., 8
 ft. w., of Stone, and raise a mound
 of earth 4 ft. base, 2 ft. high, w. of Cor.
 A Cottonwood 10 ins. diam., bears
 N 20° W. 3.82 chs. dist., marked
 T. B. S. R. 27. E. S. 35. M.C. B.S.
 no other trees near
- 58.80 Canal, 20 lbs. wide, flows. S.S. W.
- 59.00 Left bank of Gila River, bears. N.E. & S.W.
 Set a malpais Stone 16x12x10 ins., ^{in the orig. place}
 11 ins. in the ground, for meander

Resurvey of South Boundary

- Chains Cor. of fractl. Secs. 2nd & 35.
 marked M.C. on W, with 1 groove
 on E. face, whence
 A Willow 16 ins. diam, bears
 N 88 $\frac{1}{4}$ ° E 119 lks. dist, marked
 J. 6. A. R 27. E. A. 35. M.C. B. J.
 A Willow 16 ins. diam. bears
 S 82 $\frac{1}{2}$ ° W 116 lks. dist, marked
 J. 7. A. R. 27. E. A. 2. M.C. B. J.
- 61.19 Ditch, 20 lks. wide, flows. S.E.
 64.85 Ditch, 6 lks. wide, flows. S.
 67.61 House, bears N 46 $\frac{1}{4}$ ° W 15. chs. dist.
 House, bears N 21 $\frac{1}{2}$ ° W 16 chs. dist.
 House, bears N 34° E 15 chs. dist.
- 69.10 Ditch, 10 lks. wide, flows. S.
 69.25 Brush fence bears N. t. S.
 70.64 Road, bears N.E. & S.
 75.20 Road, bears N. t. S.
 80.00 original position of old Sec. Cor.

T. 6. S. R. 27 E.

Chains Set a Malpais Stone $20 \times 12 \times 10$ ins;
 15 ins, in the ground. for Cor. of
 Secs. 1, 2, 35th and 36, marked
 T. 6. S. on N.E.

R. 27 E. on S.E. and

T. 7 S on S.W. faces, with 5 notches
 on W. and 1 notch on E. edges;
 dig pits $18 \times 18 \times 12$ ins, in each
 Sec. $5\frac{1}{2}$ ft. dist; and raise a
 mound of earth, 4 ft. base. 2 ft.
 high, W. of Cor, whence

A Mesquite, 12 ins. diam, bears
 S $12\frac{1}{4}$ W. 210 lks. dist; marked
 T. 7. S. R. 27 E. S. 2. B. T. - This
 is the bearing tree, referred to in
 the original field notes, as being
 S $12\frac{1}{2}$ W 209 lks. dist. 8 ins. diam.
 I find no trace of old Post.
 Chared Stake or pits and mound

Resurvey of S. Boundary T. 6. S. R. 27. E.

chains I find no trace of Corners
purported to have been set
as described in the original
field notes. the Gila River
having changed its bed,
evidently.

Land level.

Soil, Sandy loam, 1st rate
Timber, mesquite, Cotton
wood and Willow

Note: At 17.00 chs, 18.65 chs, 43.50 chs.
and 54.53 chs, points on this line
at which meander cors. were established
according to the original field notes,
but do not correspond now as the
Gila River has evidently changed
its bed. I deposited a stone marked
M.C., 12 ins, in the ground, and raised
a mound of stone 2 1/2 ft. base 1 1/2 ft.
high, over deposit, for the purpose
of designating said original corners,
for the surveys on the South

Resurvey of S. Boundary T. 6. S. R. 27. E.

Chains	February 9, at 4 ^{<u>h</u>} 30 ^{<u>m</u>} P. M. L. M. S.
	I set off $32^{\circ} 52'$ on the lat. arc, $14^{\circ} 32'$ S. on the decl. arc. and determine a true meridian with the Solar at the Cor. of Secs. 1, 2, 35, & 36.
	Thence I run E. ast. on a true line bet. Secs. 1 and 36. over level land
18.96	Road N. 3. chs, then N. E.
24.50	Shed, trans S. 2.50 chs, dist.
27.50	Road, trans. $N 70^{\circ} W + S 70^{\circ} E$
38.80	Dry wash, 150. lks. wide, flows N. Thatcher Canal, 80 lks. wide, flows S.
40.00	Cor. point falls in Wash.
41.00	Set a metal pipe stone $24 \times 18 \times 12$ ins., 18 ins. in the ground for witness to $\frac{1}{4}$ Sec. Cor., marked

Resurvey of South Boundary

- chains $\frac{1}{4}$ W.C. on N. face. whence
 A Mesquite 6 ins. diam., bears
 $N 19\frac{1}{4}^{\circ} W$ 280 lks. dist.,
 marked $\frac{1}{4}$ S. W. C. B. J.
 A Mesquite 19 ins. diam. bears
 $S 36^{\circ} E$. 247 lks. dist.
 marked $\frac{1}{4}$ S. W. C. B. J.
- 47.50 Dry wash, 20 lks. wide, flows N.W.
- 48.60 Road, bears N.E. & S.W.
- 52.41 Road, bears S.E. & N.W.
- 56.32 Road, bears S.E. & N.W.
- 57.04 Left bank of Gila River
 Set a Malpais Stone, $18 \times 12 \times 6$ ins
 12 ins. in the ground. for meander
 Cor. of fractl. Secs. 1st and 36.
 marked, W.C. on E. face, with
 5 grooves. on W. face, whence
 A Mesquite 6 ins. diam., bears
 $N 63\frac{1}{2}^{\circ} W$. 31. lks. dist.

T. 6. S. R. 27. E.

- Chains Marked T. 6. S. R. 27. E. S. 36. M.C. B.S.
- A Mesquite 4 ins. diam. bears
 S 26 $\frac{3}{4}$ ° W. 67 lks. dist., marked
 T. 7. S. R. 27. E. S. 1. M.C. B.S.
- 63.00 Point in bed of Gila River
- 67.00 Right bank of Gila River
 Set a granite stone 20x14x12 ins.
 15 ins. in the ground. for Meander
 Cor. of fractl. Sec. 1st 36
 marked M.C. on W. face, with
 1 groove on E. face, and raise
 a mound of stone. 2 ft. base
 1 $\frac{1}{2}$ ft. high. E. of Cor.
- Pits impracticable.
 Entourage arrowwood cross. S.E. + N.W.
- 76.00 Road. bears E. S. E. + W. N. W.
- 80.00 The Cor. of Tps. 6 & 7. S. R. 27 + 28. E.
 as recently re-established by
 me, and here in before described

Resurvey S. Bdy S. 6. S. R. 27. E.

Land level.

Soil, Sandy loam + Sandy; 1st + 2^d sects.
 Timber, Mesquite, Cottonwood
 and Willow; and dense
 mesquite and arrowwood,
 undergrowth. —

February 9. 1896.

Note: At 63.00 chs. a point on
 this line, at which a meander
 cor. was established, according
 to the original fieldnotes, but
 is now ^{on high point} in bed of river, I
 deposited a stone, marked
 M.C., 12 ins., in the ground
 and raised a mound of stone,
 2½ ft. base, 1½ ft. high, over deposit,
 for the ^{purpose} of designating said
 orig. cor. for the survey on the S.



Subdivisions. T. 6. S. R. 27. E.

February 10. at $7^{\text{h}} 30^{\text{m}}$ a.m. l.m.t.
 I set off $32^{\circ} 52'$ on the lub. arc
 $14^{\circ} 20'$ S. on the decl. arc. and
 determined true meridian
 with the Solar, at the Cor.
 of Secs. 1, 2, 35, & 36. Tps. 6, &
 7. S. R. 27. E. as recently re-
 established by me, and
 hereinafore described,
 thence I run

N $0^{\circ} 1' W$. bet. Secs. 35. ^{and} 36.

Va. $12^{\circ} 32' E$.

over level land

- 4.18 Road, bears E. & W.; House bears
 W. 5. chs. dist.
- 4.53 Brush fence, bears E. & W.
- 5.65 House on line
- 5.97 Ocotillo fence, bears E. & W.
- 6.10 Ditch, 10 lbs. wide, flows W.

Subdivisions.

- chs.
6.50 Entire Plowed land, trans. E. & W.
- 7.75 Left bank of Gila River
Set a granite stone $15 \times 10 \times 6$ ins.
10 ins. in the ground, for Meander
Cor. of fractl. Secs. 35 & 36 marked
M.C. on N. face, with 1 groove
on S. face, and raise a mound
of stone, 2 ft. base, $1\frac{1}{2}$ ft high,
S. of Cor. pit is impracticable
- 7.82 Bush free, trans. E. & W.
- 11.91 Right bank of Gila River
Set a granite stone, $15 \times 10 \times 8$ ins.
10 ins. in the ground, for
Meander Cor. of fractl. Secs.
35th & 36, marked M.C.
on S. face, with 1 groove
on E. face, dig a pit $36 \times$
 36×12 ins. 8 ft. N. of stone, &
raise a mound of earth. 4 ft.

J. C. S. R. 27. E.

Chains	base, 2 ft. high, N. of Cor.
12.04	Wire fence, trans. E. & W.
13.00	House, and small enclosure trans. W. 3.00 chs. dist.
19.29	Ditch, 8 lks. wide, flows. W.
20.70	Road, trans. E. & W.
22.20	Ditch, 10 lks. wide, flows. W.
22.30	Entire plowed land, trans. E. & W.
23.50	leave plowed land, trans. E. & W.
25.30	Road, trans. N.E. & S.W.
29.02	Road, trans. E. & W.
31.23	Road, trans. S.E. & N.W.
32.25	Wire fence, trans. E. & W. and Entire plowed land
37.15	leave plowed land, trans. E. & W.
38.28	Entire plowed land, trans. E. & W.
38.50	Lorenzo Sanchez adobe Home trans. S $72\frac{1}{2}$ ° W. 7.50 chs. dist.
40.00	Set a granite stone 15x8x8 ins.

Subdivisions.

Chains. 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dig pits $18 \times 18 \times 12$ ins. N. & S., of stone. 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of Cor., Whence A Cottonwood 13 ins. diam. bears N $64\frac{1}{2}$ W 470 lks. dist., marked $\frac{1}{4}$ S. B. T.

A Mesquite 12 ins. diam., bears S 26° W. 328 lks. dist., marked $\frac{1}{4}$ S. B. T.

A Cottonwood 8 ins. diam., bears N 46° E. 779 lks. dist., marked $\frac{1}{4}$ S. B. T. -

N. E. Cor. of Methodist church bears N $3\frac{1}{2}$ E

J. Vacas' House, bears N $83\frac{3}{4}$ W. 35 chs. dist.

T. 6. S. R. 27. E.

- Chain Barorden's House bears $N 86^{\circ} W$.
40 chs. dist.
Toribia Yuca's House. bears.
 $N 88^{\circ} W$. 35 chs. dist.
- 46.00 Clear plowed land, bears E. + W.
- 48.04 Wire fence, bears. E. + W.
- 48.31 Ditch 6 lks. wide, flows. N. W.
- 49.52 Ditch 6 lks. wide, flows. W.
- 50.92 Ditch 10 lks. wide, flows N. W. then
N.
- 54.18 Road, bears. N. W. + S. E.
- 55.10 Ditch, 10 lks. wide, flows. W.
- 56.80 Begin ascent, bears. E. + W.
- 57.00 Policarpio Serna's House, bears.
W. 150 lks. dist. Pig pen bears
W. 50 lks. dist. Shed. bears.
W. 75 lks. dist.
- 57.70 Tap, Enta mesa, bears. E. + W.
- 58.00 N. E. Cor. Methodist church

Subdivisions.

- chains
 bears S $3\frac{1}{2}^{\circ}$ E.
 N.W. Cor. Eliseo Sanchez's House
 bears S $24\frac{3}{4}^{\circ}$ E 12.00 chs. dist.
 Marcus. Martinez's Home bears
 S 64° E. 16.00 chs. dist.
 Luis Yuca's House, bears
 S 39° W. 20.00 chs. dist.
 Ricardo Sanchez's House,
 bears. S $60\frac{1}{2}^{\circ}$ W. 31.00 chs. dist.
 House, bears S $71\frac{1}{2}^{\circ}$ W. 46 chs.
- 59.60 Begin descent.
- 60.00 Enter bottom, bears. S.E. & N.W.
 Aviel Sanchez's Home, bears
 W. 15.00 chs. dist.
- 60.40 Dry wash, 10 lks. wide, flows. S.E.
- 69.73 Begin steep ascent.
- 72.00 Ridge, bears. N 5° E + S 5° W. descend
- 80.00 Set malpais Stone 19x15x4 ins,
 14 ins. in the ground, for. Cor.

T. C. S. R. 27 E.

of Secs. 25, 26, 35, 4th 36, marked
T. C. S. on N.E.

R. 27 E on S.E. with 1 notch on
S. and E. edges, and raise
a mound of Stone, 2 ft. base, 1 1/2
ft. high, W. of Cor. pits impermeable
Land, level and rolling
Soil, sandy loam & gravelly; 1st & 2^d rate
Timber, Cottonwood, Scattering
greasewood & ocotillo.

E. on a random line
bet. Sec. 25th & 36.

40.00 Set. temp. 1/4 Sec. Cor.

79.88 Intusect E. bdy of T₁, at 5
lks. N. of Cor. of Secs. 25, 30
31 & 36, as recently established
by me, and hereinbefore described
Thence I run

Subdivisions.

Chains	N 89° 58' W on a true line bet. Recs. 25. and 36. over Mountainous land
2.70	Begin descent, bears. S.W. & N.E.
6.30	Enter bottom
6.65	✓ Dry Wash, 10 lks. wide, flows S.W.
7.25	Begin ascent.
11.50	✓ Tap, bears. N.E. & S.W.
15.00	Begin descent, bears. N.E. & S.W.
17.65	✓ Enter bottom, Dry wash, 10 lks. wide, flows. S.W.
19.10	Begin ascent.
25.00	✓ Tap, bears. N.E. & S.W.
28.00	Begin descent, bears. N.E. & S.
32.78	Enter bottom, bears. N.E. & S.
32.88	✓ Dry Wash, 20 lks. wide, flows S.
34.64	Begin ascent.
35.00	✓ Tap, bears. N. & S.
39.94	✓ Dry wash, 10 lks. wide, flows S.

I. G. S. R. 27. E.

chs.	
39.94	Cor point in wash
41.00	Set a mulpais Stone, 15x12x6 ins, 10 ins., in the ground, for witness to 1/4 Sec. Cor., marked 1/4 W.C. on N. face, and raise a mound of Stone, 2 ft. base, 1 1/2 ft. high N. of Cor. pits impracticable
45.00	Begin ascent, bears. N. & S.
50.75	Tap, Ridge, bears. N. & S. on S. slope of mountain; descend
59.60	Enter bottom, dry wash, 10 lks wide, flows. S. S. W.
63.00	dry wash, 10 lks. wide, flows. S. ^{used}
70.15	Tap, bears, N. & S., descend
72.05	Enter bottom
72.15	Dry wash, 10 lks. wide, flows S.
73.00	Begin ascent.
74.00	Tap, bears, N. & S.
78.20	Descend, bears. N. & S.

Subdivisions.

- chs.
79.00 Enter bottom, dry wash 10 lks
wide, flows. S. and ascend
79.88 The Cor. to Secs. 25, 26, 35 & 36.
Land, Mountainous
Soil, gravelly; 3^d and 4th rate
No timber. Scattering ocotillo
and greasewood undergrowth
Mountainous land 79.88 chs.
Line discontinued on account of high Mountains

describe
see page 29

From the Cor. of Secs. 34 &
35 on S. side of Tp. as recently
reestablished by me, and
heretofore described.
I run.

N 0° 1' W. bet. Secs. 34 & 35.
over level land

- 5.38 Road bears E. N. E. & W. S. W.
6.90 Begin ascent, bears E. & W.
8.30 Enter mesa, bears E. & W.

I. G. A. R. 27. E.

chs. 11.60	Road, trans. N.E. & S.W.
12.00	Begin ascent, trans. S.E. & N.W.
22.30	Dry Gulch, 100 lks. wide, flows. S.E.
28.00	Top, trans. E. & W., descend
29.00	Enter bottom, dry wash, 9 lks. wide, flows. E, ascend
30.15	Top, trans. E. & W., descend
31.73	Bottom, dry wash, 10 lks. wide, flows E, ascend
33.68	Top, trans. E. & W., descend
40.00	Set a metal pair 22x14x4 ins, 16 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raise a mound of Stone 2 ft. base, $\frac{1}{2}$ ft. high, W. of Cor. Pits impracticable
43.90	Enter bottom, dry wash, 9 lks. wide, flows E.
44.00	Begin ascent.

Subdivisions.

- chs.
 47.20 Top, beans. S.E. & N.W.
 48.90 Begin descent.
 49.80 Enter bottom, dry wash, 10 mks.
 wide, flows. S.E.
 52.00 Begin ascent.
 61.26 Top. Enter mesa beans. E. & W.
 80.00 Set a Malpais Stone 20x7x6 ins,
 15 ins. in the ground, for Cor.
 of Secs. 26, 27, 34, & 35, marked
 I. C. S. on N.E. and
 R. 27. E. on S.E. faces, with 1 notch
 on S. and 2 notches on E. edges;
 and raise a mound of stone,
 2 ft. base, 1 1/2 ft. high, W. of Cor.
 Pits impracticable.
 Land level and mountainous
 Soil. Sandy & gravelly, 1st & 3rd rate
 No timber, greasewood & ocotillo
 Mountainous land 54.36. chs.

T. 6. S. R. 27. E.

chains	East on a random line bet Secs. 26 nd & 35.
40.00	Set trap 1/4 Sec. Corn
80.10	Intersect N + S. line 7 lks. N. of Cor of Secs. 25, 26, 35, & 36 Thence I run - N 89° 57' W. on a true line bet. Secs 26 & 35, over mountainous land, ascend
2.10	Tap, trans. N + S, descend
3.00	Enter bottom, dry wash, 8 lks. wide, flows. S. and ascend
5.00	Tap, trans. N + S, descend
8.20	Enter bottom
9.40	dry wash, 60 lks. wide, flows. S.
16.25	Begin ascent, trans. N + S.
22.65	Road, trans. N + S.
26.75	Tap, trans. N + S., descend
34.00	Enter bottom, dry wash, 10 lks.

Subdivisions.

- Chains wide, flows. S. W. & ascend
 34.35 Top. & descend
 34.80 Bottom, bears. N.T.S.
 35.60 dry wash, 15 lks. wide, flows S
 37.05 dry wash, 12 lks wide, flows. S.
 38.95 Begin ascent, bears. N.T.S.
 40.05 Set a malpais stone, 20x12x9 ins
 15 ins, in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on N. face;
 and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, N. of Cor.
 Pits impracticable.
 45.90 Top, bears. N.T.S., descend,
 47.39 Enter bottom, bears. N.T.S.
 48.25 Dry wash, 14 lks. wide, flows. S 15° W
 50.00 Begin ascent.
 59.00 Top. Enter mesa, bears. N 20° E + S 20° W
 80.10 The Cor. of Secs. 26. 27. 33 and 34
 Land, level + mountainous

T. G. S. R. 27. E.

Chains Soil, gravelly; 3^d rate.
 No timber. Greasewood and
 acatillo scrub growth
 Mountainous land 59. chs.

No° 1' W. lat. Secs. 26. ^{and} 27.

5.60 ✓ Begin descent.
 6.40 Enter bottom
 6.50 dry wash, 20 lks. wide, flows W.N.W.
 8.20 Dry wash, 15 lks. wide, flows. W. ascend
 10.00 Top, trans. N.E. + S.W. descend
 11.22 Enter bottom
 12.65 Dry wash, 10 lks. wide, flows. S.W.
 12.80 ascend
 14.15 Top, trans. N.E. + S.W.
 17.88 Begin descent.
 18.90 Enter bottom
 19.60 Dry wash, 10 lks. wide, flows. S.W.
 19.73 Begin ascent.

Subdivisions.

- chs.
20.40 Tap, bears E. & W.
- 40.00 Set a Malpais Stone, 12x9x6 ins.
8 ins. in the ground for $\frac{1}{4}$ Sec.
Cor., marked $\frac{1}{4}$ on N. face, and
raise a mound of Stone, 2 ft.
base, $1\frac{1}{2}$ ft. high, W. of Cor.
Site impracticable
- 43.50 Begin ascent of mountain,
bears E. & W.
- 80.00 Set a Malpais Stone, 18x15x6 ins,
12 ins. in the ground, for Cor. of
Secs. 22, 23, 26 & 27, marked
T. 6. S. on N.E. and
R. 27. E. on S.E. faces, with 2 notches
on N. and E. edges, and raise a
mound of Stone, 2 ft. base $1\frac{1}{2}$
ft. high, W. of Cor.
Site impracticable
- see p. 45
Land level & Mountainous

T. C. S. R. 27. E.

Chains Soil, gravelly ^{2d} Stony, 3^d and 4th rate
 No timber. Greasewood and
 sotillo wudu growth.
 Mountainous, land 74.40 chs.
 This line discontinued on
 account of high Mountains
 February 10, 1896.

February 11. at 7^h 30^m a. m., l. m. t.,
 I set. off 32° 52' on the lat. arc.
 14° 1' S. on the decl. arc, and
 determine a true meridian
 with the solar. At the Cor. of
 Secs. 3, 4, 33rd & 34th Tps. 6 & 7 S. Rs.
 27 E. as recently reestablished
 by me, and heretofore described
 Thence I run
 N 0° 2' W. bet. Secs. 33rd & 34.
 over mostly level mead.

Subdivisions.

- chs.
 8.30 Begin descent, bears E. & W.
 12.50 Enter bottom, dry wash 9 fks.
 wide, flows E.; ascend
 20.00 Top, Enter mesa, bears E. & W.
 40.00 Set a Malpais Stone 15x10x5 ins,
 10 ins, in the ground. for $\frac{1}{4}$ Sec.
 Cor, marked $\frac{1}{4}$ on W. face, and
 raise a mound of Stone 2 ft.,
 base $1\frac{1}{2}$ ft. high, W. of Cor.
 Pits impracticable
 80.00 Set a Malpais Stone 15x7x6 ins,
 10 ins, in the ground. for Cor. of
 Secs. 27, 28, 33, & 34; marked
 T. 6. S. on N.E. and
 R. 27. E. on S.E. faces, with 1 notch
 on S. and 3 notches on E. edges,
 dig pits 18x18x12 ins, in each
 Sec. $5\frac{1}{2}$ ft. dist.; and raise
 a mound of earth, 4 ft. base,

T. C. S. R. 27. E.

Chain 2 ft. high, W. of Cor.

Land, level mesa

Soil, gravelly; 2^d rate

No. timber. Greasewood and
ocotillo undergrowth.

East, on a random line

bet. Secs. 27th and 34.

40.00 Set. temp. 1/4 Sec. Cor.

79.81 Intersect N.T.D. line at Cor. of
Secs. 26, 27, 34, and 35.

Thence I run

West, on a true line.

bet. Secs. 27th and 34.

over mountainous land.

9.50 Begin descent, from S.S.W. to N.N.E.

16.70 Get to bottom

17.25 Dry wash, 20 ft. wide, flows S.S.W.

18.20 ascend

Subdivisions.

- | Chs. | |
|--------|---|
| 24.50 | Top, bears. S.S.W and N.N.E. |
| 33.00 | Begin descent, bears. N.V.S. |
| 39.30 | Enter bottom, bears. N.V.S. |
| 39.905 | Set a Malpais Stone 15x10x4 ins.,
10 ins. in the ground, for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on N. face, &
raise a mound of Stone 2 ft.
base, $1\frac{1}{2}$ ft. high, N. of Cor.
Pit's impracticable |
| 41.20 | Dry wash, 30 str. wide, flows. S. |
| 41.50 | Begin ascent. |
| 47.50 | Top, bears. N.V.S. |
| 49.00 | Begin descent, bears. S.S.E. & N.N.W. |
| 50.20 | Bottom & ascent, from Gulch
flows. S.S.E. |
| 52.00 | Top, bears. S.S.E. & N.N.W. |
| 79.81 | The Cor of Secs. 27, 28, 33. ^{and 34.}
Land, level and mountainous
Soil, gravelly, 2 ^d and 3 ^d rate |

T. 6. S. R. 27. E.

Chains No timber. Greasewood and
ocotillo undergrowth.
Mountainous land 42.50 chs.

N. $0^{\circ} 2'$ W. bet. Secs. 27. ^{4d} 28.
over level land

1.84 Trail, brass N.W. and S.E.

40.00 Set a Malpais Stone, 20x10x4 ins.
15 ins, in the ground, for $\frac{1}{4}$ Sec.
Cor., marked $\frac{1}{4}$ on W. face, and
raise a mound of Stone 2 ft,
base $1\frac{1}{2}$ ft. high, W. of Cor.

Pits impracticable, ascend gradually

55.60 Dry wash, 10 lks. wide, flows S.S.W.

79.46 Dry Gulch, 50 lks. wide, flows S.S.W.

80.00 Set a Malpais Stone, 12x12x4 ins.
8 ins, in the ground, for Cor. of
Secs. 21. 22. 27. ^{4d} 28, marked
T. 6. S. on N.E., and

Subdivisions.

Chains R. 27. E. on S.E., with 2 matches on
 S. and 3 matches on E. edges; ^{and}
 raise a mound of Stone, 2 ft.
 base, 1 1/2 ft. high, W. of Cor.
 Pits impracticable.
 Land level ^{and} Mountainous
 Soil, gravelly, 2^d ^{and} 3^d rate
 No timber. Greasewood and
 ocotillo undergrowth.
 Mountainous land. 24.40 chs.

East on a random line
 bet. Secs. 22. ^{and} 27.

40.00 Set temp. 1/4 Sec. Cor.

79.68 Intused N.T.S. line 7 lks. S.
 of Cor. of Secs. 22. 23. 26. ^{and} 27.
 Thence I run

S. 89° 57' W. on a true line
 bet. Secs. 22 ^{and} 27

T. 6. S. R. 27. E.

- Chains over Mountainous land, along S. Slope of Mountain.
- 39.84 Set a Malpais Stone, 15x10x6 ins. 10 ins. in the ground. for $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ on N. face, and raise a mound of Stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of Cor.
Dits impracticable
- 78.03 Gulch, 50 lks. wide, flows S.S. W.
- 79.68 The Cor. of Secs. 21, 22, 27^{and} 28.
Land Mountainous.
Soil, Stony, 4th rate
No timber. Palo Verde brush
Mountainous land 79.68 chs.

-
- N^o 2' W. bet. Secs. 21^{and} 22.
over Mountainous land, ascend
- 23.00 Tap, bears E. & W.
- 27.00 Begin descent, bears E. & W.

Subdivisions.

- chs.
- 37.55 Enter bottom of dry wash, 8 lks.
wide, flows. N.E. & ascend
- 40.00 Set a malpais Stone 12x12x5 ins,
8 ins, in the ground. for $\frac{1}{4}$ Sec.
Cor., marked $\frac{1}{4}$ on W. face, &
raise a mound of Stone 2 ft.
base, $1\frac{1}{2}$ ft. high, W. of Cor.
Pits impracticable
- 51.00 Tap, bears. N.E. & S.W.
- 51.50 Begin descent, bears. N.E. & S.W.
- 60.70 Enter bottom of dry wash, 8 lks.
wide, flows. E. ascend
- 65.90 Tap, bears E. & W., descend
- 76.00 Enter bottom of dry wash, 10 lks.
wide, flows. W. & ascend
- 80.00 Set a porphyry Stone 18x12x10 ins
12 ins, in the ground. for Cor. of
Secs. 15, 16, 21, and 22, marked
I. 6. S. on N.E. and

I. C. S. R. 27. E.

chain's R. 27. E. on S. E. ^{faces} with 3 notches on
S. and E. edges, and raise a mound
of Stone. 2 ft. base. $1\frac{1}{2}$ ft. high
W. of Cor. Site impracticable.
Land Mountainous.

Soil, gravelly & stony; 3^d & 4th rate
No timber. Scattering Grease-
wood and Acotillo.

Mountainous land, 80. Chs.

I discontinue the line at
this point on account of
high, rough mountains.

February 11, 1896.

February 12. at 7^h 30^m a.m. l. m. l.
I set off $32^{\circ}52'$ on the lat. arc,
 $13^{\circ}41'$ S. on the decl. arc, and
determine the true meridian
with the Solar, at the Cor.

Subdivisions.

Chains of Secs. 4, 5, 32, ^{and} 33, Tps. 6, ^{and} 7, S. R. 27, E. as recently established by me, and hereinbefore described.

Thence I run

N^o 2' W. bet. Secs. 32, ^{and} 33, on level ^{and} broken land

- 5.00 Begin ascent,
 16.00 Top, trans. E. & W.
 24.00 Begin descent, trans. S. S. W. and N. N. E.
 33.10 Enter bottom
 34.15 Dry wash, 25 lks. wide, flows. S. S. W.
 40.00 Set a Malpais Stone, 17x10x5 ins
 11 ins, in the ground, for $\frac{1}{4}$ Sec
 Cor, marked $\frac{1}{4}$ on W. face, &
 dig pits 18x18x12 ins. N. & S. of
 Stone 3 ft. dist, and raise a
 mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, W. of Cor.

T. 6 S. R. 27. E.

chains

- 41.39 Road to mines, bears, $N 20^{\circ} E$ to $S 20^{\circ} W$
- 44.50 Begin ascent, bears. $NNE. \frac{1}{2} S.S. W.$
- 52.00 Top, and descend $E.$ slope of mesa
- 57.75 Gulch, 1 ch. wide flows. $E.$
- 69.80 Enter bottom
- 71.30 Dry wash, 10 ft. wide, flows. $S.S.E.$
- 71.40 ascend, bears. $N.W. \frac{1}{2} S.E.$
- 75.70 Top, bears. $N.W. \frac{1}{2} S.E.$
- 77.20 Road to mines, bears. $N.W. \frac{1}{2} S.E.$
- 80.00 Set a malpais stone, $15 \times 7 \times 7$ ins.
10 ins. in the ground for Cor. of,
Secs. 28, 29, 32. and 33, marked
T. 6 S. on $N.E.$ and
R. 27. E. on $S.E.$ faces, with 1 notch
on $S.$ and 4 notches on $E.$ edges,
dig pits $18 \times 18 \times 12$ ins. in each
Sec. $5 \frac{1}{2}$ ft. dist., and raise
a mound of earth 4 ft. base, 2

Subdivisions.

Chairs ft high, W. of Cor.
 Land, level ⁴nd broken
 Soil, gravelly, 2^d and 3^d rate
 No timber. Greasewood and
 ocotillo undergrowth.

East on a random line
 bet. Secs. 28th and 33.

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

79.84 Intersect N.T.S. line 5 lks. N.
 of Cor. of Secs. 27, 28, 33, ⁴nd 34
 Thence I run

N 89° 58' W, on a true line
 bet. Secs. 28th and 33.

Over level land.

39.92 Set a malpais stone 18x10x6 ins.,
 12 ins. in the ground, for $\frac{1}{4}$ Sec.
 Cor, marked $\frac{1}{4}$ on N. face, dig
 pits 18x18x12 ins. E. & W. of

T. 6. S. R. 27. E.

- Chr. Stone, 3 ft. dia., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 57.34 descend, trans. S.W. + N.N.E.
- 63.39 Enter bottom.
- 63.84 Dry wash, 25 lks. wide, flows Southwesterly
- 65.54 ascend
- 66.29 Tap, trans. S.W. + N.N.E.
- 73.14 Road, trans. N.W. + S.E.
- 79.84 The Cor. of Secs. 28, 29, 32 ^{and} 33.
Land, nearly level.
Soil, gravelly; 2^d + 3^d rate
No. timber. Greasewood brush
-
- N 0° 2' W. bet. Secs. 28, ^{and} 29.
over level land
- 7.20 Road, trans. N.W. + S.E.
- 30.15 Dry wash, 9 lks. wide, flows S.W. E.
- 40.00 Set a Malpais Stone 18x7x6 ins.

Subdivisions.

Chairs 12 ins. in the ground. for $\frac{1}{4}$
Sec. Cor., marked $\frac{1}{4}$ on W. face;
and raise a mound of Stone 2
ft. base, $1\frac{1}{2}$ ft. high, W. of Cor.

Pits impracticable.

80.00 Set a malpais Stone $20 \times 8 \times 9$ ins.
15 ins. in the ground. for Cor. of
Secs. 20, 21, 28 & 29, marked

T. 6. S. on N.E. and
R. 27. E. on S.E. ^{faces} with 2 notches.
on S. and 4 notches on E. edges,

and raise a mound of Stone,
2 ft. base, $1\frac{1}{2}$ ft. high. W. of Cor.

Pits impracticable.

Land, level.

Soil, gravelly; 2^d and 3^d rate
No timber. Greasewood
undergrowth.

I. B. S. R. 27. E.

- Chairs S $89^{\circ}58'E$ on a random line
bet. Secs. 21^{4d} and 28.
- 40.00 Set temp. $\frac{1}{4}$ Sec. Cor.
- 79.87 Intersect N. ^{4d} S. line at Cor. of
Secs. 21, 22, 27, ^{4d} and 28.
Thence I run
N $89^{\circ}58'W$, on a true line
bet. Secs. 21^{4d} and 28,
Descending along S. Slope of mountain
- 5.0.0 Bottom, brass S.W. and N.E.
- 35.96 Dry wash, 10 lks. wide, flows S.
- 39.935 Set a malpais Stone $23 \times 8 \times 5$ ins.
17 ins. in the ground, for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on N. face, and
raise a mound of Stone 2 ft.
base, $1\frac{1}{2}$ ft. high, N. of Cor.
Pito impracticable.
- 40.83 Dry wash, 9 lks. wide, flows S.
- 47.00 Foot of mountain

Subdivisions.

chs.	
50.46	Descent
50.75	Enter bottom
51.24	Dry wash, 10 lks. wide, flows S.
52.00	Begin ascent.
53.20	Tap, bears. N. & S, Enter mesa,
79.87	The Cor. of Secs. 20, 21, 28 & 29
	Land, level ^{and} mountainous
	Soil, gravelly 2 ^d & 3 ^d rate
	No timber. Scattering Palo-Verde
	and ocotillo undugrowth.
	Mountainous land 47. chs.

N 0° 2' W. bet. Secs. 20. ^{and} 21.
over rolling & mountainous land

18.29	Road, to mine, bears. N.N.E. & S.S.W.
20.60	Begin descent.
20.90	Baltona, dry wash, 10 lks. wide, flows. S.W.
23.20	ascent

T. C. S. R. 27. E.

- | | |
|-------|--|
| chs. | |
| 24.00 | Tap, bears. N.E. + S.W. |
| 25.64 | Road to mine, bears. N.W. + S.S. E. |
| 40.00 | A Malpais rock in place
12x10 ins, 6 ins. above ground,
for $\frac{1}{4}$ Sec. Cor., marked with
Cross. at exact Cor point, with
$\frac{1}{4}$ on W. face, and raise a
mound of stone 2 ft. base, $1\frac{1}{2}$
ft. high, W. of cor. pits impracticable |
| 58.70 | Begin descent, bears. N.E. + S.W. |
| 59.10 | Enter bottom |
| 59.45 | Dry wash, 40 lks. wide, flows S.W. |
| 64.06 | Dry wash, 10 lks. wide, flows. S.W. |
| 64.20 | ascend |
| 65.00 | Tap, bears. N.E. + S.W. |
| 80.00 | Set a Malpais Stone 17x10x7 ins.
11 ins. in the ground for Cor. of
Secs. 16, 17, 20, and 21, marked
T. C. S. on N.E., and |

Subdivisions.

Chains R. 27. E. on S.E. faces; with 3
 notches on S. and 4 notches on
 E. edges, and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of Cor. *Palo* impracticable
 Land, Mountainous
 Soil, gravelly; 2^d and 3^d rate
 No timber. Scattering greasewood
Palo Verde and ocotillo undergrowth
 Mountainous land 80.00 chs.

$S 89^{\circ} 58' E$ on a random line
 bet. Secs. 16 and 21.

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

79.89 Intersect N. & S. line 5 Mts. N.
 of Cor. of Secs. 15, 16, 21. and 22.
 Thence I run

$N 89^{\circ} 56' W.$ on a true line
 bet. Secs. 16 and 21.

Subdivisions.

chs.

73.85 ascend.

76.40 Top, trans. N.N.E. + S.S.W.

79.89 The Cor. of Secs. 16, 17, 20. and 21.

Land, Mountainous.

Soil, Stony, 4th rate.

No timber. Scattering greasewood

Mountainous land 79.89 chs.

February 12, 1896.

February 13. at 7.^h 30^m a.m.L. M. T. I set off 32° 55' on
the lat arc. 13° 2' S. on the decl.arc, and determine a true
meridian with the Solar at
the Cor. of Secs. 16, 17, 20 and 21

Thence I run

- N 0° 2' W. bet. Secs. 16. and 17.

over Mountainous land

7.00 Begin ascent.

T. 6. S. R. 27. E.

- chs.
8.73 Road, bears N.N.E. ³/₄ and S.S.W.
- 27.00 Top, bears E. S.E. ³/₄ and W.N.W.
- 30.50 Begin descent.
- 33.70 Enter bottom, dry wash, 10 lbs.
wide, flows E. S.E., ascend Mountain
- 40.00 Set a porphyry stone 18x10x5 ins,
12 ins. in the ground. for ¹/₄ Sec.
Cor., marked ¹/₄ on W. face, and
raise a mound of stone, 2 ft.
base, 1 ¹/₂ ft. high, W. of Cor.
Pits impracticable.
- Peak, bears N 50 ³/₄° E 51, chs. dist.
- Peak, bears N 74 ¹/₄° E 62, chs. dist.
- Peak, bears N 86 ¹/₄° E 38.50 chs. dist.
- 80.00 Set a Malpais Stone 18x8x6 ins.
x 12 ins. in the ground. for Cor. of
Secs. 8, 9, 16. ^{and} 17, marked
T. 6. S. on N.E. and
R. 27 E on S.E. faces, with 4 notches

Subdivisions T. 6. S. R. 27. E.

chains on S. and E. edges, and raise
a mound of stone, 2 ft. base,
1½ ft. high, W. of cor.

Pits impracticable

Land, Mountainous

Soil, gravelly & stony; 3^d & 4th rate

No timber. Greasewood and
ocotills undugrowth.

Mountainous land. 80 chs.

Land lying Eastward.

Consists of high, rough, and
rugged Mountains; imprac-
ticable to survey.

- N 0° 2' W. bet. Secs. 8th & 9th.

over Mountainous land, ascending

18.90 Top, bars. E. & W.

19.10 Begin descent, bars. E. & W.

34.20 Bottom. Gulch, flows. S.E.; ascend

40.00 Set a Malpais Stone 18x9x6 ins.