Book 2

No. 977

Re-survey about sec.

Subs — BOOK 977

S. K. 15 E

4–671 BOOK 977

FIELD NOTES
GENERAL LAND OFFICE.

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BOOK 979
BOOK 978
BOOK 977

(4—674.)

Township *14 South* R. *15 East.*

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Fort Lowell Military Reservation

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No. 977

Field Notes
of the Resurvey of the
West Boundary of
Township No. 14 South, Range No. 15 East,
and of the Survey of the
Subdivision and Meander Lines
of Township No. 14 South, Range No. 15 East,
of the
Gila and Salt River Base and
Meridian
in the
Territory of Arizona
as surveyed by
Philip Contzen
U. S. Deputy Surveyor.

Under his Contract No. 43

Dated, February 11th 1897
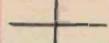
Survey Commenced, July 1st 1897
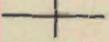
Survey Completed, Sept. 21st 1897

BOOK 977

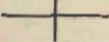## *Index:*

Fort Lowell Military Reservation

13 13 18

24 11 19

T 14 S. R. 15 E.

25 9 30

36 7 31

Resurvey of the W. bdy. of T. 14 S. R. 15 E.

Chains.

In order to test the West boundary of T. 14 S. R. 15 E., I proceed to cor. to Tps., 14 and 15 S., Rs., 14. and 15 E., which is a lime stone 4 x 9 x 4 ins., above ground, marked and witnessed as described by the Surveyor General. July 1st 1897. At $7^h 10^m$ a.m. l.m.t., I set off 32° 10' on the lat. arc; 23° 5' N. on the decl. arc; and determine a true meridian with the solar at the cor. to Tps, 14 and 15 S., Rs 14 and 15 E.

From this cor. I run North on a blank line on the W. bdy. of T. 14 S. R. 15 E.

Chains	
40.55	Faint traces of 1/4 Sec. Cor., 3 lks E.
81.01	Faint evidence of Sec. Cor; 7 lks E.
121.56	Faint evidence of 1/4 Sec. Cor. 12 lks. E.
162.06	Faint evidence of Sec. Cor. 21 lks. E.
202.53	Faint evidence of 1/4 Sec. Cor. 25 lks E.

Resurvey of the West boun

Chains	
242.73	Faint evidence of Sec. Cor., 32 lks. E.
282.56	Faint evidence of 1/4 Sec. Cor. 40 lks. E.
297.48	Faint evidence of C. C. . . . . 64 lks E.,

Finding all the corners nearly
obliterated, and the chaining out
of limits, I find it necessary for
proper execution of the survey of
T. 14 S. R. 15 E. to resurvey the
West boundary, therefore I write
to the Surveyor General for the
required authority, and on Sept 4th
1897, I receive the same.

Survey commenced Sept 8th 1897
and executed with a Young and
Son's light mountain transit,
No. 5609, with a Smith's solar
attachment.

The instrument was examined,

lary of T. 14 S., R. 15 E. Continued

Chains.

tested on the true meridian at
Tucson, and found correct, and
was approved by the Surveyor General
for Arizona, April 30. 1897
Sept. 8 : At 7ʰ 20ᵐ a.m L.m.t., I set
off 32° 10' on the lat. arc, 5° 28' N.,
on the decl. arc; and determine a
true meridian with the solar, at
the cor. of Tps 14 and 15 S., Rs. 14
and 15 E; which is a limestone 4
× 9 × 4 ins. above ground, marked
and witnessed, as described by the
Surveyor General.

Thence I run

N. 0° 3' E. bet Secs. 31. and 36.

. Over level land.

24.00	Cross old road, bears N.W. and S.E.
25.20	Cross dry wash 2 5 lks. wide, course N.W. by W.

Resurvey of the West boundary

Chains	
27.00	Cross road from Tucson to Rincon, bearing N. 57° W.
40.55	Set a mesquite post 3 ft. long, 3 ins. sq., with marked stone 24 ins. in the ground for ¼ Sec. Cor., marked ¼ S., on W. face, from which A mesquite tree 4 ins. diam. bears S. 24¾° W., 215 lks. dist. marked ¼ S. B. T. A mesquite 6 ins. diam. bears N. 62° E. 183 lks. dist. marked ¼ S. B. T. The only trace of old ¼ Sec. Cor. is a dim mound, which I destroy.
81.01	Set a limestone 16 × 8 × 8 ins., 12 ins. in the ground for cor. to secs., 25 and 36, marked with 5 notches on N. and 1 notch on S. edges, dig pits 24 × 24 × 12 ins. N W. and S W of stone, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

of T. 14 S., R. 15 E. Continued

Chains.

A decayed post, lying on the ground,
marks obliterated, I destroy, as well
as all other evidences of old sec. cor.
Land, level.
Soil, loam, 2ᵈ rate.
No timber; undergrowth a few palo-
verde, mesquite and cholla.

N. 0° 4' E. bet Secs. 25 and 30.
Over gently rolling land, through
greasewood and cholla undergrowth.

40.55   Set a mesquite post 3 ft. long, 3 ins. sq.,
with marked stone, 24 ins., in the
ground for ¼ Sec. Cor., marked ¼ S.
on W. face, dig pits 18×18×12 ins., N.
and S. of cor., 3 ft. dist., and raise
a mound of earth 3½ ft. base, 1½ ft.
high, W. of cor.

From which

Resurvey of the West boundary

Chains	
27.00	Cross road from Tucson to Rincon, bearing N. 57° W.
40.55	Set a mesquite post 3 ft long, 3 ins. sq., with marked stone 24 ins. in the ground for 1/4 Sec. Cor., marked 1/4 S., on W. face, from which

A mesquite tree 4 ins. diam. bears S. 24 3/4° W., 215 lks. dist. marked 1/4 S.B.T.

A mesquite 6 ins. diam. bears N. 62° E. 183 lks. dist. marked 1/4 S.B.T.

The only trace of old 1/4 Sec. Cor. is a dim mound, which I destroy.

| 81.01 | Set a limestone 16 x 8 x 8 ins., 12 ins. in the ground for cor. to secs. 25 and 36, marked with 5 notches on N. and 1 notch on S. edges, dig pits 24 x 24 x 12 ins. N.W. and S.W. of stone, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. |

of T. 14 S., R. 15 E. Continued

Chains.

A decayed post, lying on the ground,
marks obliterated, I destroy, as well
as all other evidences of old sec. cor.
Land, level.
Soil, loam, 2ᵈ rate.
No timber; undergrowth a few palo-
verde, mesquite and cholla.

N. 0° 4' E. bet Secs. 25 and 30.
Over gently rolling land, through
greasewood and cholla undergrowth.

40.55 Set a mesquite post 3 ft. long, 3 ins. sq.,
with marked stone, 24 ins., in the
ground for ¼ Sec. Cor., marked ¼ S.
on W. face, dig pits 18 × 18 × 12 ins., N.
and S. of cor., 3 ft. dist., and raise
a mound of earth 3½ ft. base, 1½ ft.
high, W. of cor.

From which

Resurvey of the West boundary

Chains.

A palo verde tree 5 ins. diam., bears
N. 13½° W. 180 lks. dist., marked ¼ S.B.T.
No other trees within limits.

A decayed post and faint mound
marking the old ¼ Sec. Cor.; I destroy

67.70   Cross old road, bears N.W. and S.E.

72.00   Cross old road, bears N.W. and S.E.

81.05   Set a mesquite post 3 ft. long, 4 ins.
sq., with marked stone, 24 ins. in
the ground, for cor. of secs. 24 and
25., marked

T. 14 S. S. 24. on N.W., and
R. 14 E. S. 25 on S.W. faces, with 4
notches on N. and 2 notches on
S. edges, dig pits 24 x 24 x 12 ins.,
N.W. and S.W. of post, 6 ft. dist.,
and raise a mound of earth 4 ft
base, 2 ft. high. W. of cor.

From which

of T. 14 S., R. 15 E. Continued

chains.

A mesquite tree 4 ins. diam., bears
N. 48 1/4° W., 137 lks. dist.; marked
T. 14 N. R. 14 E. S. 24 B.T.
No other trees within limit.
An old stake lying on the ground
with marks obliterated, marks the
Sec. cor. I destroy all traces of old cor.
Land, gently rolling.
Soil, gravelly loam, 2d rate
No timber; greasewood and cholla
undergrowth.

N. 0° 4' E. bet Secs. 19 and 24.
   Over level land.

40.47 Set a mesquite post 3 ft. long, 4
ins. sq., with marked stone, 24 ins.
in the ground for 1/4 Sec. Cor.;
marked 1/4 S. on W. face, dig pits
18 X 18 X 12 ins., N. and S. of post,

Resurvey of the West boundary

Chains	
	3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
	Only a dim mound marks the old ¼ Sec. Cor., which I destroy.
80.67	Set a mesquite post 3 ft. long, 4 ins. sq., with marked stone 24 ins. in the ground for cor. to secs. 13 and 24, marked T. 14 S. E. B. on N.W. and R. 14 E. S. 24 on S.W. faces; with 3 natches on N. and S., edges, dig pits 24 × 24 × 12 ins. N. W. and S.W. of post, 6 ft. dist. and raised a mound of earth, 4 ft. base, 2 ft. high. W. of cor.
	The old sec. cor. is a decayed stake lying on the ground. I destroy all traces of old cor.

of T. 14 S., R. 15 E. Continued

Chains.	
	Land, level.
	Soil, gravelly loam, 2ᵈ rate.
	No timber, greasewood and cholla
	undergrowth.

North 0° 6' E. bet. Secs. 13 and 18

  Over level land.

20.18 Cross wood road to Tucson bearing N 57° W
and S. 57° E.

39.83 Set a granite stone 16 x 8 x 6 ins., 11
ins. in the ground for ¼ Sec. Cor.,
marked ¼ on W. face; from which
A mesquite tree 3 ins., diam., bears S. 3°
E., 53 lks. dist., marked ¼ S. B.T.
A mesquite tree 4 ins. diam; bears S.
46½° W., 165¼ lks. dist., marked ¼ S.B.T.

  No traces of old ¼ Sec. Cor; but S.E. ¼ Sec.
bearing tree, from which I establish new cor.
I destroy old Bearing tree.

Resurvey of the W. bdy. of T. 14 S. R 15. E. Concluded

Chains.

54.75   Intersect S. bdy. of Camp Lowell
Military Reservation 55 lks. S. 89°
59' W. of monument VI, heretofore
described by me.

Set a sandstone 16 x 10 x 6 ins.,
12 ins. in the ground for Closing
cor. to. fractional Secs 18. and
13., marked M. R. on N., C. C.
on S., 18 on E. and 13 on W. faces;
dug pits 24 x 18 x 12 ins. crosswise
on each line, E. and W. 3 ft., and
S. of stone 7 ft. dist; and raise
a mound of earth to its base, 2 ft.
high, S. of cor.

The stake of old Closing Cor. being
decayed and marks not to be
distinguished, I destroy all traces
of it. No Bearing trees, as given
in description by surveyor general,

Subdivision of T. 14 S., R. 15 E.

Chains.

were visible.

Land, level.

Soil, loam, 1st rate.

No timber; mesquite, greasewood
and cholla undergrowth.

Sept 8th 1897

Sept. 10th 1897. At 7h 40m A.M. l.m.t.;
I set off 32°10' on the lat. arc; 4°42'
N. on the decl. arc; and determine
a true meridian with the solar at
the cor. of secs. 1, 2, 35 and 36; on
the S. bdy. of the Tp., which is a
granite stone 5×8×6 ins. above
ground marked and witnessed as
described by the Surveyor General.

Thence I run

N. 0°1'W. bet Secs. 35 and 36

Over rolling land, descending.

BOOK 977

Subdivision of T. 14 S.,

chains	
2.00	Enter valley bears N.W. and S.E.
3.90	Road to Tucson bears N.W. and S.E.
9.00	Enter dry wash 10 lks wide, course N.W.
21.00	Left bank of "Pantano" wash or river
	Set a quartz stone 18 x 8 x 4 ins.,
	12 ins. in the ground, for meander
	cor. of fracl. secs 35 and 36, with
	1 groove on E. face, marked M.C.
	on N face, from which
	A willow tree 8 ins. diam. bears N. 25¾°
	W., 214 lks. dist. marked T. 14. S. R.
	15 E. S. 35. M. C. B. T.
	A mesquite tree 6 ins. diam. bears
	S. 14° E., 28.3 lks dist; marked T 14
	S. R. 15 E. S. 36 M. C. B. T.
31.00	Right bank of "Pantano" wash or river
	Set a conglomerate stone, 18 x
	8 x 8 ins., 12 ins. in the ground, for
	meander Cor. of fracl. secs. 35

R. 15 E. Continued

chains.

and 36 with 1 groove on E. face
marked M.C. on S. face; from
which

A mesquite tree 6 ins. diam, bears
N. 18° W., 183 lks. dist; marked T. 14 S.,
R. 15 E., S 35 M. C. B. T.

A mesquite tree 14 ins. diam, bears
S. 54 1/4 E. 67 lks. dist., marked T. 14
S. R. 15 E. S. 36. M.C. B.T.

40.00 Set a mesquite post 3 ft. long 3
ins. squ., with marked stone, 24
ins. in the ground, for 1/4 Sec. cor.
marked 1/4 S. on W. face, from which

A mesquite tree 5 ins. diam., bears
S. 23 3/4° W., 96 lks. dist, marked 1/4 S.B.T.

A palo verde tree 6 ins. diam.,
bears N. 63 1/4° E., 112 lks. dist.,
marked 1/4 S.B.T.

49.00 Leave valley and ascend through

BOOK 977

Subdivision of T. 14 S.

Chains.	
	scattering greasewood and cactus
56.00	Top of Mesa bears N.W.
62.40	Cross dry wash 2 lks. wide, course W.
71.40	Cross dry wash 3 lks. wide, course W.
80.00	Set a malpais stone 16 x 10 x 6 ins,

11 ins, in the ground for cor. to secs,
25. 26. 35. and 36, marked with
1 notch on S. and E. edges, and
dig pits 18 x 18 x 12 ins, N.E. and N.W.
of stone 5½ ft dist, from which
A palo verde tree 10 ins. diam.,
bears. S 67 ¼° E., 11 lks. dist., marked
T. 14 S. R. 15 E. S. 36 B.T.
A palo verde tree 4 ins. diam, bears
S 85 ½° W, 133 lks. dist. marked T. 14 S.
R. 15 E., S. 35 B.T.
No other trees within limits.
Land, level and rolling.
Soil, sandy and gravelly loam,

R. 15 E., Continued

Chains.	
	2^d and 3^d rate.
	Timber, a few mesquite and palo-
	verde trees; undergrowth, palo-verde,
	mesquite and greasewood.
	N 89° 59' E. on a random line bet
	Secs. 25 and 36
40.00	Set temp. 1/4 Sec. Cor.
79.74	Intersect E. bdy. of Tp. 3 lks. N. of
	cor. of secs. 25. 30. 31. and 36, here_
	tofore described by me.
	Thence I run.
	West on a true line bet Secs. 25 and 36
	Over rolling mesa land through
	palo verde and cactus undergrowth.
2.74	Cross dry wash 9 lks. wide, course N.W.
5.00	Cross same dry wash 9 lks. wide, course
	S.W.
7.74	Cross same dry wash 9 lks. wide, course
	N.W.

Subdivision of T. 14 S.,

Chains.

10.94	Cross dry wash 8 lks. wide, course S.W.
13.94	Cross gulch 6 lks. wide, course S.
16.94	Cross gulch 6 lks wide, course S.
20.54	Cross gulch 6 lks wide, course S.
27.82	Cross dry wash 7 lks. wide, course S.W.
31.54	Cross dry wash 8 lks. wide, course S.W.
39.87	Set a quartz stone 15 x 6 x 5 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; from which

A mesquite tree 4 ins. diam., bears
S. 71° E., 26 lks. dist., marked 1/4 S.B.T.
A mesquite tree 5 ins. diam., bears
N. 63° W., 45 lks. dist., marked 1/4 S.B.T.

46.74	Cross dry wash 15 lks. wide, course Westerly.
49.34	Cross dry wash 5 lks. wide, course N.W.
79.74	The cor. to secs. 25. 26. 35 and 36.

Land, rolling.

Soil, gravelly, 2ᵈ and 3ᵈ rate

No timber; undergrowth palo verde,

R. 15 E. Continued

Chains.	
	giant and cholla cacti.
	N. 0° 1' W. bet. Secs. 25 and 26.
	Over rolling mesa.
3.65	Cross dry wash 10 lks. wide, course N W.,
	thence W.
6.40	Cross dry wash 10 lks. wide, course W.
7.50	Cross dry wash 3 lks. wide, course W.
12.80	Enter dry wash, course N W.
14.60	Leave dry wash, course N W.
19.10	Cross trail, bears E. and W.
23.00	Cross dry wash, 10 lks. wide, course W.
32.02	Cross wood road, bears E. and W.
40.00	Point for 1/4 Sec cor falls in dry wash
	150 lks. wide, course W.
42.95	Cross dry wash 20 lks wide, course W.
44.00	Set a granite stone 18 x 12 x 8 ins.,
	12 ins. in the ground for Witness
	Cor. to 1/4 Sec. cor, marked W C. 1/4 on

BOOK 977

Subdivision of T. 14 S.,

Chains.

W. face, from which

A palo verde tree 6 ins. diam., bears
S. 37° E, 39 lks. dist., marked W.C. ¼ S.B.T.

A palo verde tree 5 ins. diam., bears N. 37° W,
17 lks. dist., marked W.C. ¼ S.B.T.

47.00	Cross dry wash 5 lks. wide, course S.W.
48.95	Cross trail, bears E. and W.
63.10	Cross dry wash 5 lks. wide, course W.
67.90	Cross dry wash 5 lks. wide, course W.
69.00	Cross dry wash 2 lks. wide, course S.W.
74.50	Cross dry wash 20 lks. wide, course S.W.
80.00	Set a limestone 16 x 8 x 7 ins., 11 ins.

in the ground for cor. to secs. 23. 24.
25 and 26, marked with 2 notches
on S., and 1 notch on E. edges, from
which

A palo verde tree 10 ins. diam., bears
N. 25½° E, 74½ lks. dist. marked T. 14
S. R. 15 E, S. 24 B.T.

R. 15 E. Continued

Chains	
	A palo verde tree 6 ins. diam., bears S. 31½° E., 59 lks. dist., marked T. 14 S. R. 15 E., S. 25 B T.
	A palo verde tree 8 ins. diam., bears S. 51½° W., 114 lks. dist., marked T. 14 S. R. 15 E., S. 26 B. T.
	A palo verde tree 9 ins. diam., bears N. 47° W., 159 lks. dist., marked T. 14 S. R. 15 E., S. 23 B T.
	Land, rolling.
	Soil, sandy and gravelly, 2^d and 3^d rate.
	Timber, a few palo verde trees; undergrowth, catsclaw, palo verde, ocotilla, and cholla.
	East on a random line bet Secs. 24 and 25.
40.00	Set temp. ¼ Sec Cor.
79.72	Intersect E. bdy. of Tp. at the cor.

Subdivision of T. 14 S.,

chains	
	of Secs. 19. 24. 25 and 30., heretofore
	described by me.
	Thence I run
	West on a true line bet. Secs. 24
	and 25.
	Over rolling land through paloverde
	and cactus undergrowth.
9.15	Cross dry wash 12 lks. wide, course S.
39.86	Set a granite stone 18' x 10 x 7 ins., 12
	ins., in the ground for ¼ Sec. Cor.,
	marked ¼ on N. face, from which
	A paloverde tree 5 ins. diam., bears
	N. 61° E., 66 lks. dist; marked ¼ S.B.T.
	A paloverde tree 5 ins. diam., bears
	S. 12°¼ W., 98 lks. dist; marked ¼ S.B.T.
79.72	The cor. to Secs. 23. 24. 25. and 26.
	Land, rolling.
	Soil, gravelly loam; 2d and 3d rate
	No timber; undergrowth, paloverde;

R. 15 E. Continued

Chains.	
	cholla and giant cactus.
	N. 0° 1' W. bet. Secs. 23. and 24,
	Over rolling land.
12.30	Cross dry wash 3 lks. wide, course W.
15.45	Cross dry wash 3 lks. wide, course SW.
18.08	Cross wood road, bears NE. and SW.
22.35	Cross wood road, bears E. and W.
37.00	Cross dry wash 5 lks. wide, course NW.
40.00	Set a limestone 15 × 10 × 6 ins, 10 ins, in the ground for ¼ Sec. Cor., marked ¼ on W. face, from which
	A palo verde tree 6 ins. diam, bears N. 56° W., 7 7 lks. dist, marked ¼ S.B.T.
	A palo verde tree 8 ins. diam, bears S. 25° E., 172 lks. dist, marked ¼ S.B.T.
47.55	Cross dry wash 30 lks. wide, course NW.
54.85	Cross dry wash 3 lks. wide, course NW.
59.85	Cross dry wash 3 lks. wide, course NW.

Subdivision of T. 14 S.,

Chains.

61.75	Cross dry wash 3 lks. wide, course N.W.
64.00	Cross wood road to Tucson bears N.W. and S.E.
66.75	Cross dry wash 2 lks. wide, course N.N.W.
68.25	Cross same dry wash again 2 lks. wide, course N.N.E.
71.00	Cross dry wash 20 lks. wide, course N.W.
72.25	Cross dry wash 25 lks. wide, course W.
73.75	Cross wood road, bears E. and W.
80.00	Set a granite stone 17 x 7 x 5 ins., 12 ins., in the ground for cor. to secs. 13. 14. 23. and 24, marked with 3 notches on S. and E. edges;
	From which
	A palo verde tree 10 ins. diam. bears N. 57° E., 65 lks. dist., marked T. 14 S. R. 15 E., S. 13 B.T.
	A palo verde tree 7 ins. diam., bears S. 23° E., 25 lks. dist., marked T. 14 S.

R. 15 E. Continued.

Chains.

R. 15 E., S. 24 B. T.

A palo verde tree 6 ins. diam., bears
S. 37¼° W., 57 lks. dist., marked T. 14 S.

R. 15 E., S. 23 B. T.

A palo verde tree 8 ins. diam.; bears
N. 52¼° W., 105 lks. dist., marked T 14 S.

R. 15 E., S. 14 B. T.

Land, rolling.

Soil, sandy and gravelly loam, 2d
and 3d rate.

Timber, a few palo verde trees;
undergrowth, palo verde, catsclaw,
cholla, and ocotillo.

East on a random line bet. Secs
13. and 24

40.00	Set temp. ¼ Sec. Cor.
79.68	Intersect E. bdy of Tp. 3 lks. S.

of the cor. to Secs. 13. 18. 19 and 24;

Subdivision of T. 14 S.,

chains	
	heretofore described by me.
	Thence I run
	S. 89° 59' W. on a true line bet.
	Secs. 13 and 24
	Over rolling land.
32.50	Cross dry wash 25 lks. wide, course N W.
34.90	Cross dry wash 3 lks. wide, course N.
39.84	Set a granite stone 15 x 10 x 3 ins., 10 ins. in the ground for ¼ Sec Cor., marked ¼ on N. face,
	From which
	A palo verde tree 10 ins. diam., bears East, 56 lks. dist., marked ¼ S. B. T.
	A mesquite tree 4 ins. diam., bears S. 20¾° E., 68 lks. dist., marked ¼ S. B. T.
79.68	The cor. to Secs. 13. 14. 23. and 24.
	Land, rolling.
	Soil gravelly loam, 3ᵈ rate.

R. 15 E. Continued

Chains	
	No timber; undergrowth, paloverde, cholla, and giant cactus.
	N. 0° 1' W. bet. Secs. 13 and 14.
	Over rolling land through undergrowth.
5.50	Cross dry wash 10 lks. wide, course W.
~~21.45~~	~~Cross dry wash 4 lks. wide, course Westerly.~~
40.00	Cor. point for 1/4 Sec. falls in dry wash 15 lks. wide, course westerly.
41.00	Set a granite stone 15 x 8 x 6 ins., 10 ins. in the ground for Witness Cor. to 1/4 Sec. Cor., marked WC 1/4 on W. face, from which
	A mesquite tree 6 ins. diam., bears N. 54 1/4° E., 7 lks. dist. marked 1/4 WC. BT.
	A mesquite tree 6 ins. diam., bears N. 42° W., 75 lks. dist, marked 1/4 WC BT.

Subdivision of T. T4 S.

Chains.	
48.45	Cross dry wash 15 lks. wide, course W., thence SW.
59.09	Intersect. S. bdy. of Camp Lowell Military Reservation 176½ lks. W. of Monument XI, heretofore described by me, where I set a granite stone 17 x 8 x 4 ins.; 11 ins, in the ground for Closing Cor. to fractional Secs. 13 and 14, marked M.R. on N., CC. on S., 13 on E., and 14 on W. faces, dig pits 24 x 18 x 12 ins., crosswise on each line, E. and W., 3 ft, and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

Land, rolling.

Soil, gravelly loam, 2^d rate.

No timber; palo verde undergrowth.

1   Sept 10.th 1897

Chains.

Sept. 11: At 7ʰ 50ᵐ A. M., L. m. t.,
I set off 32° 10' on lat. arc; 4° 19' N.
on the decl. arc; and determine
a true meridian with the solar
at the cor to Secs. 2. 3. 34 and 35,
on the S. bdy. of the Tp.; which is a
granite stone 4 x 12 x 12 ins. above
ground, as described by the Surveyor
General.

Thence I run
N. 0° 1' W. bet Secs. 34 and 35
Over rolling mesa through palo
verde undergrowth and giant cacti.

11.00	Descend gradually from mesa which bears E. and W.
36.00	Leave palo verde undergrowth and giant cacti, and enter grease wood undergrowth.
40.00	Set a quartz stone 17 x 8 x 4 ins. 12

Subdivision of T. 14 S.

chains	
	ins, in the ground for ¼ Sec. Cor., marked ¼ on W. face, dig pits 18 x 18 x 12 ins., N. and S. of stone 3 ft. diat., and raise a mound of earth 3½ ft. base, 2 ft. high, W. of cor.
43.00	Bottom of descent, and enter valley bearing N 57° W and S. 57° E.
52.75	Road to Tucson bears N. W. and S.E.
53.80	Cross dry wash 10 lks. wide, course N.W.
65.20	Cross dry wash 8 lks. wide, course N.W.
67.00	Left bank of "Pantano" wash or river Set a granite stone 15 x 10 x 6 ins, 18 ins., in the ground for meander cor. of fract. secs 34. and 35, with marked M.C. on N. face, with 2 grooves on E. face; from which A palo verde tree 8 ins. diam., bears S. 72 ¾° W. 74 lks. dist. marked T. 14 S. R. 15 E. S. 34 M.C. B.T.

R. 15 E. Continued.

chains.	
	A mesquite tree 14 ins. diam., bears S. 20¼° E., 58 lks. dist., marked T. 14 S. R. 15 E. S. 35. M. C. B. T.
76.00	Right bank of Pantano wash or river. Set a sandstone 18 X 7 X 7 ins., 12 ins. in the ground for meander cor. of fracl. secs. 34. and 35, marked M. C. on S. face, and 2 grooves on E. face, from which
	A mesquite tree 4 ins. diam., bears N. 9° E., 2.44 lks. dist. marked T. 14 S. R. 15. E. S. 35 M. C. B T.
	A palo verde tree 4 ins. diam. bears N. 12¾° W., 117 lks. dist., marked T. 14 S. R. 15 E. S. 34 M. C. B T.
80. 00	Set a granite stone 17 X 10 X 8 ins, 11 ins. in the ground for cor to secs. 26. 27. 34. and 35, marked with 1 notch on S., and 2 notches on E.

Subdivision of T. 14 S.

edges, from which

A palo verde tree 6 ins. diam., bears
N. 5 1/4° E., 112 lks. dist. marked T.
14 S. R. 15 E. S. 26 B.T.

A mesquite tree 6 ins. diam., bears
S. 81° E., 129 lks. dist., marked T. 14 S.
R. 15 E., S. 35 BT.

A mesquite 4 ins. diam., bears S.
35 1/2° W., 99 lks. dist., marked T. 14 S.
R. 15 E., S. 34. BT.

A mesquite 5 ins. diam., bears
N. 83 1/2° W., 60 lks. dist., marked T. 14 S.
R. 15 E. S 27 BT.

Land, level.

Soil, sandy and gravelly loam,
1st 2d and 3d rate.

Timber, a few mesquite and
palo verde trees; undergrowth
greasewood and palo verde;

R. 15 E. Continued

Chains.	
	cholla, and giant cacti.
	N. 89° 59' E. on a random line bet.
	Secs. 26 and 35.
40.00	Set temp. 1/4 Sec. Cor.
79.86	Intersect N. and S. line 17 lks N.
	of the cor. to secs. 25. 26. 35 and 36.
	Thence I run
	N. 89° 54' W. on a true line bet Secs.
	26. and 35.
	Over rolling mesa through palo —
	verde, and giant cactus.
37. 00	Descend slope bearing N.E. and S.W.
38.90	Set a granite stone 18 × 8 × 6 ins, 12 ins
	in the ground for Witness Cor. to
	1/4 Sec. Cor. marked W.C. 1/4 on
	N. face from which
	A teaote tree 5 ins. diam, bears S. 63°
	W, 50 lks. dist, marked 1/4 W.C. B.T.

Subdivision of T. 14 S.

Chains	
	A mesquite tree 4 ins. diam., bears N. 20¾° W., 49 lks. dist., marked ¼ W. C. B S.
39.50	Reach bottom and enter valley.
39.93	Point for ¼ Sec. cor. falls in dry wash.
39.95	Middle of dry wash 60 lks. wide, course S.
42.65	Cross dry wash 5 lks. wide, course S W.
79.86	The cor. to Secs. 26. 27. 34 and 35.
	Land, level and rolling.
	Soil, sandy and gravelly loam, 2d and 3d rate.
	No timber; palo verde, mesquite and catsclaw undergrowth; cholla and giant cacti.

	N. 0° 1′ W. bet. Secs. 26 and 27
	Over level land
17.65	Cross dry wash 10 lks. wide, course W.
21.60	Cross dry wash 25 lks. wide, course W.
22.70	Cross dry wash 80 lks. wide, course W.

R. 15 E., Continued

Chains	
25.96	Cross wood road bearing N.E. and S.W. and ascend.
30.78.	Cross wood road bearing E. and W.
31.00	Top of mesa bears N.W. and S.E.
40.00	Set a granite stone 16×10×4 ins, 11 ins. in the ground for ¼ Sec. Cor., marked ¼ on W. face, from which
	A palo verde tree 5 ins. diam., bears S. 41¾° E., 52 lks. dist., marked ¼ S. B.T.
	A palo verde tree 8 ins. diam., bears N. 19¼° W., 68 lks. dist., marked ¼ S. B.T.
43.95	Cross dry wash 2 lks. wide, course N.,
46.35	Cross dry wash 9 lks. wide, course S.W.
48.20	Cross wood road bears N.E. and S.W.
50.00	Cross dry wash 70 lks. wide, course S.W.
54.30	Cross dry wash 3 lks. wide, course N.
64.63	Cross dry wash 3 lks. wide, course S.W.
65.65	Cross old road bears N.W. and S.E.
67.20	Cross dry wash 7 lks. wide, course N.W.

Subdivision of T. 14 S.

Chains	
74.10	Cross dry wash 10 lks. wide, course W.
77.60	Cross dry wash 6 lks. wide, course S.W.
79.50	Cross dry wash 4 lks. wide, course S.W.
80.00	Set a granite stone 17 x 8 x 5 ins, 12

ins. in the ground for cor. to secs.
22. 23. 26 and 27, marked with
2 notches on S. and E. edges,

From which

A mesquite tree 4 ins. diam., bears
N. 38¼° E., 86 lks. dist., marked T. 14
S. R. 15 E. S. 23 B. T.

A mesquite tree 6 ins. diam., bears
S. 21 ¾° E., 114½ lks. dist., marked
T. 14 S. R. 15 E. S. 26 B. T.

A palo verde tree 6 ins. diam., bears
S. 46 ¾° W., 149 lks. dist., marked
T. 14 S. R. 15 E. S. 27 B. T.

A mesquite tree 8 ins. diam., bears
N. 50 ½° W., 353 lks. dist., marked

R. 15 E. Continued

Chains.

T. 14 S. R. 15 E. S. 22 B. T.

Land level and rolling.

Soil, loam, 2nd rate.

Timber, a few mesquite trees;
palo verde and mesquite under
growth; giant cacti.

At this cor. to secs. 22. 23. 26 and 27
I set off 4° 14' N. on the decl. arc; and
at 11 h 56 m A. M. l. m. t., observe the
sun on the meridian; the resulting
lat. is 32° 12' N.

S. 89° 54' E. on a random line bet.
Secs. 23. and 26.

40.00   Set temp. 1/4 Sec. cor.

79.88. Intersect N. and S. line 9 lks N.
of the cor. to secs. 23. 24. 25 and 26
Thence I run

Subdivision of T. 14 S.

Chains	
	N. 89° 50' W. on a true line, bet Secs. 23 and 26.
	Over rolling land through under-growth.
24.40	Cross old road bears N.E. and S.W.
25.20	Cross dry wash 20 lks. wide, course S.W.
39.94	Set a granite stone 16 x 8 x 4 ins., 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which
	A palo verde tree 16 ins. diam, bears N. 75 1/2° W., 30 lks. dist., marked 1/4 S.B.T.
	A palo verde tree 6 ins. diam., bears S. 66 1/2° W., 61 lks. dist., marked 1/4 S.B.T.
48.25	Cross dry wash 4 lks. wide, course S.W.
78.50	Cross dry wash 6 lks. wide, course S.W.
79.88	The cor. to secs. 22·23·26 and 27.
	Land, rolling.
	Soil, gravelly loam, 2ᵈ rate.
	No timber; undergrowth, palo-

R. 15 E. Continued.

Chains.

verde, catsclaw, chollas and giant cacti.

N. 0° 1' W. bet. Secs. 22 and 23.
   Over rolling land.

5.80 | Cross dry wash 6 lks. wide; course S.W.

~~18.60 Cross dry wash 2 lks. wide, course W.~~

20.72 | Cross dry wash 4 lks. wide, course W.,
~~thence S.W.~~

24.45 | Cross dry wash 8 lks. wide, course W.,
thence S.

36.97 | Cross dry wash 9 lks. wide, course W.

40.00 | Set a sandstone 15 x 6 x 5 ins, 10 ins.,
in the ground for 1/4 Sec. Cor, marked
1/4 on W. face, from which
A palo verde tree 4 ins. diam, bears
S. 80 1/2° W., 48 lks. dist., marked 1/4 S.B.T.
A palo verde tree 4 ins. diam, bears
N. 17 1/4° E., 23 lks. dist. marked 1/4 S.B.T.

44.08 | Cross dry wash 5 lks. wide, course N.W.,

Subdivision of T. 14 S.

Chains	
52.95	Cross dry wash 3 lks. wide, course W.
64.76	Cross dry wash 10 lks. wide, course W.
70.73	Cross road to Tucson bears Southwester- ly and Northeasterly.
75.45	Cross dry wash 10 lks. wide, course W.
80.00.	Set a sandstone 15 x 10 x 6 ins., 10 ins. in the ground for cor. to secs. 14. 15. 22. and 23, marked with 3 notches on S. and 2 notches on E. edges, dug a pit 18 x 18 x 12 ins. S E. of stone 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

From which:

A palo verde tree 8 ins. diam. bears N. 60¾° E, 72 lks. dist. marked T. 14 S. R. 15 E. S. 14 B T.

A mesquite tree 4 ins. diam; bears S. 76½° W, 208 lks. dist., marked

R. 15 E. - Continued.

Chains

> T. 14 S. R. 15 E. S. 22 B.T.
> A palo verde tree 8 ins. diam., bears
> N. 54½° W., 37 lks. dist., marked T.
> 14 S. R. 15 E. S. 15 B.T.
> Land, level.
> Soil, gravelly loam, 2ᵈ rate.
> Timber, a few palo verde and
> mesquite trees, undergrowth
> palo verde and mesquite;
> cholla and giant cacti.

	S. 89° 50' E. on a random line bet
	Secs. 14 and 23.
40.00	Set temp. ¼ Sec. Cor.
79.92	Intersect N. and S. line 25 lks. S.
	of the cor. to Secs. 13, 14, 23 and 24.
	Thence I run
	S. 89° 59 W. on a true line bet
	Secs. 14 and 23.

BOOK 977

Subdivision of T. 14 S.

Chains	
	Over rolling land
9.70	Cross dry wash 40 lks. wide, course N.W.
30.90	Cross wood road to Tucson bears Easterly and Westerly.
33.00	Cross road to Tucson bears Easterly and Westerly.
36.00	N. edge of same road bears N.E. and S.W.
39.96	Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which A mesquite tree 10 ins. diam. bears S. 57 1/4° E. 200 lks. dist. marked 1/4 S.B.T. A palo verde tree 8 ins. diam. bears N. 44° W. 117 lks. dist. marked 1/4 S.B.T.
52.70	Cross dry wash 60 lks. wide, course N.W.
79.92	The cor. to secs. 14, 15, 22 and 23. Land, rolling.

R. 15 E. Continued

Chains.

Soil, gravelly and sandy loam, 2d
and 3d rate.

Timber, a few mesquite trees;
palo verde, mesquite, catsclaw,
and cholla undergrowth.

N. 0° 1' W. bet Secs. 14 and 15.
Over rolling land, through
undergrowth.

7.70	Cross old road bears N W. and S E.
17.90	Cross dry wash 9 lks. wide, course W.
32.40	Cross dry wash 2 lks. wide, course N W.
40.00	Set a granite stone 16 x 10 x 4 ins., 11

ins., in the ground for ¼ Sec. Cor.,
marked ¼ on W. face, from which
A palo verde tree 5 ins. diam., bears
N. 8¼° E., 23 lks. dist., marked ¼ S.B.T.
A palo verde tree 7 ins. diam., bears N.
65½° W., 145 lks. dist., marked ¼ S. B. T.

Subdivision of T. 14 S.

Chains	
44.70	Cross dry wash 5 lks. wide, course N.E.
45.55	~~Cross same dry wash 4 lks. wide, course~~ ~~N.W.~~
58.87	Intersect S. bdy of Camp Lowell Military Reservation 150 lks., S. 89° 50' W. of Monument X, heretofore described by me.

Set a granite stone 16 x 8 x 8 ins., 11 ins. in the ground for Closing Cor. of fractional Secs. 14 and 15 marked M.R. on N.

CC on S.

14 on E. and

15 on W. faces, from which

a mesquite tree 8 ins. diam. bears S. 13¼° W. 64 lks. dist., marked T. 14 S. R. 15 E. S. 15 B.T.

A mesquite tree 10 ins. diam., bears S. 9° E., 4.74 chs. dist. marked T. 14

R. 15 E. Continued.

Chains

S. R. 15 E., S. 14 B T.

Land rolling.

Soil, gravelly loam, 2ᵈ and 3ᵈ rate.

No timber; undergrowth, palo —

verde and mesquite.

Sept. 11ᵗʰ 1897.

Sept 13: At 7ʰ 5ᵐ A.M. L.m.t., I

set off 32° 10′ on the lat. arc; 3° 34′ N.,

on the decl. arc, and determine a

true meridian with the solar at

the cor to secs, 3. 4. 33. and 34, on

the S. bdy. of the Tp. which is a

mesquite post firmly set and proper

ly marked and witnessed as described

by the Surveyor General.

Thence I run

N. 0° 2′ W. bet Secs. 33 and 34.

Over rolling land, through undergrowth

5.90 Cross dry wash 5 lks wide, course W.

Subdivision of T. 14 S.

Chains	
8.55	Cross dry wash 12 lks. wide, course W.
~~11.45~~	~~Cross dry wash 3 lks. wide, course N.W.~~
16.05	Cross dry wash 5 lks. wide, course W.
28.35	Cross dry wash 15 lks. wide, course N.W.
~~33.55~~	~~Cross dry wash 2 lks. wide, course W.~~
38.00	Enter level mesa.
40.00	Set a limestone 16 x 10 x 7 ins., 11 ins. in the ground for ¼ Sec. Cor, marked ¼ on W. face, from which

A palo verde 10 ins. diam., bears S. 70½° E., 138 lks. dist., marked ¼ S. B. T.

A palo verde 7 ins. diam., bears S. 2_ W. 177 lks. dist., marked ¼ S. B. T.

53.00	Cross dry wash 5 lks. wide, course E.
70.50	Descend from mesa on Northwesterly slope.
80.00	Set a sandstone 18 x 8 x 7 ins., 12 ins., in the ground for cor. to Secs. 27, 28, 33 and 34, marked with 1 notch

R. 15 E. Continued

Chains

on S. and 3 notches on E. edges.

From which

A mesquite tree 4 ins. diam., bears N. 25 3/4°
E., 44 lks. dist., marked T. 14 S., R. 15 E.
S. 27 B.T.

A palo verde 4 ins. diam., bears S. 71° E.
70 lks. dist., marked T. 14 S., R. 15 E.,
S. 34. B.T.

A mesquite tree 6 ins. diam., bears
S. 23° W., 24 lks. dist., marked T. 14 S.,
R. 15 E., S. 33 B.T.

A palo verde tree 4 ins. diam., bears
N. 36° W., 127 lks. dist., marked T. 14 S.,
R. 15 E., S. 28 B.T.

Land, rolling.

Soil, gravelly loam, 2d and 3d rate.

Timber, a few mesquite and palo
verde trees; undergrowth greasewood
palo verde and mesquite; cholla

Subdivision of T. 14 S.

Chains.	
	acotilla, and giant cacti.
	N. 89° 59' E. on a random line
	bet Secs. 27 and 34.
40.00	Set temp. ¼ Sec. Cor.
79.96.	Intersect N. and S. line 3 lks. N.
	of the cor. to secs. 26. 27. 34 and
	35. Thence I run
	West on a true line bet Secs. 27
	and 34.
	Over level land.
9.05	Cross dry wash 30 lks. wide, course N.W.
30.50	Right bank of Pantano Wash or river
	Set a sandstone 18 × 10 × 4 ins; 12 ins.
	in the ground for meander Cor. of
	fract. secs. 27. and 34, marked
	MC. on W face with 1 groove on
	S. face, dug a pit 36 × 36 × 12 ins,
	8 ft. E. of stone; and raised a

R. 15 E. Continued.

Chains

mound of earth, 4 ft. base, 2 ft. high,
E. of cor.

34.00 To Left bank of "Pantano" wash 2 rings
Set a granite stone 16 x 8 x 4 ins., 11
ins., in the ground for meander
cor. of fracl. secs., 27. and 34, marked
M.C. on E face, with 1 groove on S. face,
From which

A mesquite 8 ins. diam., bears N. 33¼°
W., 204 lks. dist., marked T. 14 S., R. 15
E., S. 27. M. C. B T.

A Jano tree 5 ins. diam., bears S.
31¼° W., 118 lks. dist., marked T. 14 S.,
R. 15 E., S. 34. M. C. B T.

39.98 Set a quartz stone 14 x 7 x 5 ins., 10
ins. in the ground for ¼ Sec. Cor.,
marked ¼ on N. face, from which
A mesquite 8 ins. diam., bears S. 47¼°
E., 163 lks. dist., marked ¼ S B T.

Subdivision of T. 14 S. R. 15 E. Continᵈ

chains.

	A mesquite tree 5 ins. diam., bears N. 18¼° W., 58 lks. dist., marked ¼ S.B.T.
50.36	Road to Tucson bears N. W. and S. E.
63.00	Leave valley bearing N W. and S E., and ascend through greasewood and giant cactus
63.90	Cross dry wash 4 lks. wide, course N.
79.96.	The cor to Secs. 27. 28. 33. and 34

Land, level and rolling.

Soil, sandy and gravelly loam, 2ᵈ and 3ʳᵈ rate

Timber, a few mesquite trees; grease wood catsclaw and palo verde undergrowth; giant cacti.

	N. 0° 2' W. bet. Secs 27. and 28
	Descending from mesa through scattering undergrowth and cacti.
16.00	Foot of mesa, and enter Valley bears N W.
30.60	Cross road to Tucson bears N W. and S E.