

Book 1

No. 877

BOOK 877

Subdivisions

877

T. 14 S. R. 16 E.

4-671

FIELD NOTES
GENERAL LAND OFFICE

No. 877

Field - Notes
of the survey of the
Subdivision lines
of
Township No 14 South
Range No 16 East
of the
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
Philip Contess
under his Contract No 43
dated February 11. 1897

Survey commenced Sept. 23. 1897
Survey completed Sept. 29. 1897

(4-874.)

Township

14 N. R. 16 E

Index for

BOOK 877
BOOK 878

2

6	5	4	3	39	2	1	
<i>Camp Lowell Military</i>							
<i>Reservations.</i>				36	37		
7	8	9	10	33	14	12	
			32				
18	67	17	16	23	15	29	14
64	62	19		26			
19	59	20	13	21	22	23	24
57	54	12					
30	52	29	9	28	27	26	25
50	47						
31	44	32	6	33	34	35	36

Survey commenced Sept
23. 1897 and executed
with a Young & Sons
light mountain transit,
No 5609, with solar attachment.
The instrument was
examined, tested on
the true meridian at
Tucson, found correct,
and was approved
by the surveyor general
for Arizona, April 30th 1897.
and again I examined
and tested my instrument
on the Tucson Meridian
on Sept. 19. 1897 and
found the adjustments
correct.

September 23. 1897

Subdivision of
chs.

At the cor. of Tps. 14 South
Ranges 15 and 16 E; latitude
 $32^{\circ} 10' N.$, longitude $110^{\circ} 55' W.$;
I set off $32^{\circ} 10' N.$, on the
latitude arc; $0^{\circ} 19' S.$ on
the decl. arc, and at
 $7^h 55^m$ a. m., l. m. t.,
I determine a true meridian.
Thence, I run
 $N 89^{\circ} 59' E$ along S. boundary
of Tps. 14 S. R. 16 E.; and
at 3.37 chs. intersect cor.
to Tps. 15 S. Rs 15 and 16 E
as heretofore described;
thence East at 42.83 chs
intersect the $\frac{1}{4}$ sec. cor.;
at 82.72^{chs} intersect cor.
of secs. 5, 6, 31 and 32; at
 122.62 chs., fall 2 lks. S. of

T. 14 S. R. 16 E. Continued

chs.

$\frac{1}{4}$ sec. cor., at 162.57 chs. fall $\frac{1}{2}$ lks. S. of the cor. of secs. 4, 5, 32 and 33. The bearing stated by the surveyor general practically agrees, excepting the chaining shows a small difference.

Note: As it appeared to me at first that the survey of the E. and S. boundaries of T. 14 S. R. 16 E. were practicable, I was instructed to extend the survey of the same, finding, however that said boundaries run over steep and rough mountains, making correct chaining almost impractical. I therefore do not extend

Subdivision of
Chains

the survey of said boundaries; but proceed to subdivide portion of this township. — I commence at the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Twp, which is a granite stone 24 x 10 x 8 ins., in a mound of stone, marked and witnessed as described by the Surveyor General Thence I run

70^o 2' N., bet. secs. 32 and 33

Over mountainous land

- 10.00 Descend
21.00 Foot of Rincon Mountains
22.00 Cañon, 150 Mts wide, course S. S. W.
31.00 Cañon, 50 Mts. wide, course S. W.

T. 14 S. R. 16 E. - Continued

- | Chains | |
|--------|--|
| 35.00 | Dry wash, 50 ^{lks} wide, course S.W. |
| 40.00 | Set a granite stone
16x10x5 ins., 11 ins., in the
ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face;
from which
A mesquite, 6 ins. diam.,
bears $N65\frac{1}{4}^{\circ}E$, 60 lks. dist.,
marked $\frac{1}{4}$ S. B. T.
A palo verde, 6 ins. diam.,
bears $S66^{\circ}W$, 41 lks. dist.,
marked $\frac{1}{4}$ S. B. T. |
| 50.00 | Cañon, 100 lks. wide, course S.W. |
| 57.80 | Dry wash, 15 lks. wide, course N.W.,
thence S.W. |
| 65.00 | Dry wash, 5 lks. wide, course N.W. |
| 67.20 | Dry wash, 30 lks. wide, course W. |
| 71.18 | Dry wash, 5 lks. wide, course W.,
thence S.W. |

Subdivision of

Chains

74.50 Drywash, 5 lks. wide, course S.W.

80.00 Set a granite stone 18x10x10 ins., 12 ins., in the ground, for cor. of secs. 20, 21, 28 and 29, ^{32x33} marked with 1 notch on S. and 4 notches on E. edges; from which a palo verde 6 ins. diam., bears $S 50\frac{1}{2}^{\circ} W$, 156 lks., dist. marked S. 14 S. R. 16 E. S. 32^{0,3}.

A mesquite 6 ins. diam., bears $N 51\frac{3}{4}^{\circ} E$, 100 lks. dist., marked S. 14 S. R. 16 E. S. 28 B. T.

No other trees within limits and raise a mound of stone 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land mountainous and rolling
Soil, gravelly and rocky; 4th rate

T. 14 S. R. 16 E. - Continued

Chains

Timber, a few mesquites.
 Under growth, palo verde,
 mesquite and cati
 Mountainous land 21 chs.

No. 2' W., bet. secs. 28 and 29
 Over rolling and mountainous
 land.

Descending

- 2.15 Bottom and dry wash, 7 lks.
 wide, course S. W.; ascend
- 10.00 Top of slope, bears E and W.
 and begin to descend
- 18.60 Gulch, 10 lks. wide, course W.
- 31.30 Foot of descent, dry wash
 4 lks. wide, course W. and ascend
- 40.00 Top of ridge, bears E and W.
 Set a lime stone 14 x 10 x 5
 ins., 9 ins. in the ground
 for $\frac{1}{4}$ sec. cor., marked

Subdivision of Chains

- $\frac{1}{4}$ on W. face, from which
 A palo verde 4 ins. diam.,
 bears $S 55\frac{1}{2}^{\circ} E$, 60 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.
- A palo verde 6 ins. diam.,
 bears $N 51^{\circ} W$, 38 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.
- 40.50 Descent
- 45.00 Foot of descent
- 51.00 Dry wash, 6 lks. wide, course N.E.
- 54.00 Old lime kiln, bears 50 lks. W.
- 61.90 Dry wash, 5 lks. wide, course N.E.
- 71.00 Dry wash, 40 lks wide, course N.W.
- 73.60 Dry wash, 20 lks. wide, course N.W.
- 80.00 Set a granite stone
 18 x 10 x 10 ins., 12 ins. in
 the ground, for cor. of
 secs. 20, 21, 28 and 29,
 marked with 2 notches

T. 14 S. R. 16 E. - Continued

Chains

on S. and 4 notches
on E. edges; from which
A mesquite 4 ins. diam.,
bears $N 56 \frac{1}{4}^{\circ} E$, 50 lbs. dist.,
marked T. 14 S. R. 16 E. S. 21 B. 5

A mesquite 4 ins. diam., bears
 $S 56 \frac{3}{4}^{\circ} E$, 64 lbs. dist., marked
T. 14 S. R. 16 E. S. 28 B. 5

A mesquite 4 ins. diam., bears
 $S 46^{\circ} W$, 44 lbs. dist., marked
T. 14 S. R. 16 E. S. 29 B. 5

A palo verde 8 ins. diam.,
bears $N 32 \frac{1}{4}^{\circ} W$, 81 lbs. dist.,
marked T. 14 S. R. 16 E. S. 20 B. 5

Land rolling and mountainous
Soil, gravelly and rocky; 3rd rate
Timber, a few mesquites
undergrowth, palo verde,
mesquite and greasewood

Subdivisions of

Chains

Giant cholla and ocotilla
caeti

Mountainous land 45 chs.

E. on a true line bet.
secs 21 and 28

Over rolling land
through undergrowth

- 8.10 Dry wash, 5 lks. wide, course N
- 8.60 Dry wash, 10 lks. wide, course N.W
- 10.50 Dry wash, 5 lks. wide, course N.W
- 18.50 Dry wash, 5 lks. wide, course N.W
- 29.10 Dry wash, 5 lks. wide, course N.W
- 34.00 Ascend ridge
- 40.00 Top, bears E and W.

Set a granite stone
18 x 12 x 3 ins., 12 ins.
in the ground for
 $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on N. face, and

T. 14 S. R. 16 E. Continued

Chains

raise a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

At this point I discontinue
on account of mountains.

Land rolling and mountainous
Soil, gravelly and stony,
3rd and 4th rate

No timber; undergrowth
paloverde and mesquite
Mountainous land, 6 chs.

N $0^{\circ} 2'$ W., bet. secs. 20 and 21

Over rolling land
through scattering
undergrowth

1.60 Dry wash, 4 lks. wide, course W.

6.00 Dry wash, 5 lks. wide, course W.

24.96 Dry wash, 9 lks. wide, course N. W.

Subdivision of

Chains

- and ascend
- 26.00 Top, bears E. and W.
- 32.00 Descend
- 35.00 Foot of descent
- 40.00 Set a lime stone $16 \times 10 \times 8$ ins., 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A mesquite 4 ins. diam., bears $S 6\frac{1}{2}^{\circ} E.$, 93 lbs. dist., marked $\frac{1}{4}$ S. B. T.
 A palo verde, 8 ins. diam. bears $N 59\frac{1}{2}^{\circ} W.$, 65 lbs. dist., marked $\frac{1}{4}$ S. B. T.
- 43.20 Wood road, bears N. E. and S. W.
- 49.20 Wood road, bears N. W. and S. E.
- 80.00 Set a lime stone $15 \times 8 \times 8$ ins., 10 ins. in the ground for cor. of secs. 16, 17, 20 ^{and} 21,

T. 14 S. R. 16 E. - Continued

Chains

marked with 3 notches
 on S. and 4 notches on
 E. edges; from which
 A palo verde 8 ins. diam.,
 bears $N 81\frac{1}{2}^{\circ} E.$, 58 lks. dist.,
 marked T. 14 S. R. 16 E. S. 16 B. S.

A palo verde 8 ins. diam.,
 bears $S 36\frac{1}{2}^{\circ} E.$, 26 lks. dist.,
 marked T. 14 S. R. 16 E. S. 21 B. S.

A mesquite 10 ins. diam.,
 bears $S 56\frac{1}{4}^{\circ} W.$, 78 lks. dist.,
 marked T. 14 S. R. 16 E. S. 20 B. S.

A palo verde, 8 ins. diam., bears
 $N 64\frac{1}{4}^{\circ} W.$, 63 lks. dist.,
 marked T. 14 S. R. 16 E. S. 17 B. S.

Land rolling
 Soil, gravelly loam, 2nd rate
 No timber; undergrowth
 palo verde & mesquite

Chains Subdivision of
Giant cactus.

- No^o 2' W., bet. secs. 16 and 17
Over rolling land
- 10.00 Dry wash, 40 lks. wide, course N.E.
- 11.00 Enter dense undergrowth,
bears N.E and S.W
- 17.80 Dry wash, 20 lks. wide, course N.W.
- 20.65 same dry wash, 19 lks. wide, course N.E
- 24.00 Leave dense undergrowth, bears
E and W.
- 34.00 Enter grease wood and
mesquite undergrowth, bears E²/₄ W
- 40.00 Set a lime stone
17 x 8 x 4 ins., 11 ins. in the
ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on W. face;
from which
A mesquite 8 ins. diam.,

T. 14 S. R. 16 E - Continued

Chains

bears $N62^{\circ}E$, 77 lks. dist.,
marked $\frac{1}{4}$ S. B. T

A mesquite 10 ins. diam.,
bears $N42^{\circ}W$, 7 lks. dist.,
marked $\frac{1}{4}$ S. B. T

59.13

Intersect S. boundary
of Camp Lowell Military
Reservation, 65 lks. E.

of monument XIV, as
heretofore described

Set a granite stone $18 \times 8 \times 7$
ins., 12 ins. in the ground
for closing cor. to fracl.
secs. 16 and 17, marked

M. R. on N,

C. C. on S,

16 on E and 17 on W faces;
from which

A mesquite, 6 ins. diam., bears

Subdivision of
Chains

S $72^{\circ}4'$ E, 96 lks. dist.,
marked S. 14 S. R. 16 E. S. 16 B. 5
A mesquite 6 ins. diam., bears
S 22° W, 19 lks. dist., marked
S. 14 S. R. 16 E. S. 17 B. 5.

Land rolling
Soil, gravelly loam; 2nd and 3rd rate
Timber, a few mesquites
Undergrowth, palo verde,
mesquite and cats claw
Land covered with dense
undergrowth 13.00 chs.

September 23, 1897

September 24: At 8^h 10^m
a. m. l. m. t., I set off
 $32^{\circ}13'$ N on the lat. arc;
 $0^{\circ}43'$ S on the decl. arc;

T. 14 S. R. 16 E. - Continued

Chains

and determine a true meridian with the solar, at the cor. of secs. 16, 17, 20 and 21

Thence I ran

E. on a true line bet. secs 16 and 21

Over rolling land, through under growth

1.50 Dry wash, 3 lks. wide, course N

5.80 Dry wash, 5 lks. wide, course N. E

10.00 Dry wash, 3 lks. wide, course N. W.

11.90 Dry wash, 3 lks. wide, course N. W.

24.20 Dry wash, 5 lks. wide, course N. W.

30.10 Dry wash, 4 lks. wide, course N. E

34.45 Dry wash, 30 lks. wide, course N. W.

40.00 Set a limestone 15 x 12 x 8 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked

- Subdivision of
- Chains
- $\frac{1}{4}$ on N. face, from which
 A mesquite 6 ins. diam.,
 bears $S 31\frac{1}{4}^{\circ} W$, 134 lks.
 dist, marked $\frac{1}{4}$ S. B. T.
- A mesquite 7 ins. diam.,
 bears $N 69\frac{1}{2}^{\circ} W$, 23 lks. dist,
 marked $\frac{1}{4}$ S. B. T.
- 43.00 Descend from mesa, bears N. E
 and S. W.
- 45.60 Bottom, and dry wash
 70 lks. wide, course N. E
- 48.50 Dry wash, 70 lks. wide,
 course N. W.
- 51.40 Wood road, bears N. E. and S. W
 and ascend
- 52.00 Top, bears N. N. E and S. S. W
 and brush fence, bears
 N. N. E and S. S. W
- 53.00 Mining Camp, bears 8 chs. N.

T. 14 S. R. 16 E - Continued

Chains

- 54.00 Enter dense mesquite
and catsclaw undergrowth,
bears N. E and S. W
- 63.45 Old brush fence, bears
N. E and S. W
- 63.50 Leave dense mesquite
and catsclaw undergrowth,
bears N. E and S. W. and
enter scattering undergrowth.
- 75.50 Dry wash, 20 lks. wide, course
N. E, thence N. W.
- 77.30 Dry wash, 10 lks. wide, course W.
- 78.20 Dry wash, 5 lks. wide S. W.
thence W.
- 79.50 Dry wash 7 lks. wide, course
N. W., thence W.
- 80.00 Set a granite stone
20 x 12 x 8 ins., 16 ins. in
the ground, for cor. of

Subdivision of
Chains

secs. 15, 16, 21 and 22,
marked with 3 notches
on S. and E. edges;
from which

A mesquite, 8 ins. diam., bears
 $N 24^{\circ} E$, 57 lks. dist., marked
T. 14 S. R. 16 E. S. 15 B.T.

A mesquite, 7 ins. diam., bears
 $S 8 \frac{1}{2}^{\circ} E$, 87 lks. dist., marked
T. 14 S. R. 16 E. S. 22 B.T.

A mesquite, 8 ins. diam., bears
 $S 30 \frac{1}{4}^{\circ} W$, 98 lks. dist., marked
T. 14 S. R. 16 E. S. 21 B.T.

A mesquite, 8 ins. diam., bears
 $N 27^{\circ} W$, 148 lks. dist., marked
T. 14 S. R. 16 E. S. 16 B.T.

Land rolling
Soil, gravelly loam;

T. 14 S. R. 16 E. - Continued

Chains

2nd and 3rd rate

Timber, mesquite
 Undergrowth, cats claw
 and mesquite

Land covered with dense
 undergrowth 9.50 chs

No. 2 W. bet. secs. 15 and 16

Over rolling land, through
 undergrowth

2.50 Dry wash, 5 lks. wide, course N. W.

18.20 Dry wash, 3 lks. wide, course N. W.

22.50 Dry wash, 20 lks wide, course N.,
thence N. W.

33.50 Dry wash, 4 lks. wide, course N. W.

40.00 Set a granite stone
18 x 10 x 3 ins., 12 ins. in
the ground for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on W. face;

Chains

Subdivision of

from which

A mesquite, 12 ins. diam,
bears $N50^{\circ}E$, 155 lks. dist,
marked $\frac{1}{4}$ S. B. T.

A mesquite 8 ins. diam,
bears $N72\frac{1}{4}^{\circ}W$, 81 lks. dist,
marked $\frac{1}{4}$ S. B. T.

- 40.90 Dry wash, 22 lks. wide, course $N. 70^{\circ}$
 45.05 Dry wash, 30 lks. wide, course $N. 2$
 47.40 Dry wash, 60 lks. wide, course $N. 70^{\circ}$
 51.00 Dry wash, 30 lks. wide, course $N. 2$
 53.00 Dry wash, 80 lks. wide, course $N. 70^{\circ}$
 59.30 Intersect S. boundary
 of Camp Lowell Military
 Reservation, 86 lks. E
 of monument XV, as
 heretofore described.
 I set a granite $18 \times 10 \times 4$
 ins., 12 ins. in the ground

T. 14 S. R. 16 E - Continued

Chains

for closing cor. to fractl
secs 15 and 16, marked
M. R. on N.

C. C. on S.

15 on E and 17 on W
faces; from which

A mesquite 6 ins. diam.
bears $S 61 \frac{1}{4}^{\circ} E$, 47 lbs.
dist, marked T. 14 S. R. 16 E
S. 15 B. F.

A mesquite 12 ins. diam.
bears $S 24 \frac{1}{2}^{\circ} W$, 61 lbs. dist,
marked T. 14 S. R. 16 E. S. 16 B. F.

Land rolling

Soil, gravelly loam;

2 and 3rd rate

Timber, mesquite
Undergrowth, palo verde
and mesquite

Chains	Subdivision of
	E. on a true line, bet secs. 15 and 22
	Over rolling land
3.90	Dry wash, 8 lks. wide, course N.W.
9.00	Ascend Rincon Mt
12.30	Top of N. slope and descend
15.80	Bottom, dry wash, 4 lks. wide, course N
16.70	Dry wash, 6 lks. wide, course N
17.00	Ascend
25.50	Top, bears E and W and descend
33.50	Bottom, dry wash 40 lks. wide, course N.W.
39.00	Dry wash, 20 lks. wide, course S.W.
40.00	Falls on a granite rock 24 x 15 x 5 ins. above ground, on which I cut

T. 14 S. R. 16 E. - Continued

Chains.

a cross (x) at the exact corner point, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N side of cross; from which.

A palo verde, 4 ins. diam., bears $N 97^{\circ} E$, $9\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S. B. T.

A palo verde 6 ins. diam., bears $S 38^{\circ} E$, 30 lks. dist., marked $\frac{1}{4}$ S. B. T.

and ascend

59.50 Gulch, 20 lks. N, thence N. W

63.30 Gulch, 10 lks. N.

69.00 Top of slope and descend

75.00 Gulch, 8 lks. W. and foot of descent

80.00 Set a granite stone $16 \times 14 \times 5$ ins., 11 ins. in

Chains Subdivision of

the ground, for cor.
of sec. 14, 15, 22 and 23,
marked with 3 notches
on *S* and 2 notches on *E*.
edges; from which
A mesquite 14 ins. diam.,
bears $N61^{\circ}E$, 115 lks. dist.,
marked *T* 14 *S*. *R*. 16 *E*. *S*. 14 *B*. *T*.
A mesquite, 6 ins. diam., bears
 $S59^{\circ}E$. 101 lks. dist., marked
T. 14 *S*. *R*. 16 *E*. *S*. 23 *B*. *T*.
A mesquite 10 ins. diam.
bears $S29\frac{3}{4}^{\circ}W$. 40 lks.
dist., marked
T. 14 *S*. *R*. 16 *E*. *S*. 22 *B*. *T*.
A mesquite 6 ins. diam.,
bears $N80^{\circ}W$, 94 lks. dist.,
marked *T*. 14 *S*. *R*. 16 *E*
S. 15 *B*. *T*.

No. 877

BOOK 877 29

T. 14 S. R. 16 E. - Continued

Chains

Land rolling and mountainous
 Soil, gravelly and rocky;
 3rd and 4th rate
 No timber, scattering
 mesquite and palo verde
 Giant, nopal and ocotillo-cacti
 Mountainous land 71 chs.

No. 1' W. bet. secs 14 and 15

Ascending

- 7.00 Top of slope S. W. and S. E
 and begin descent
- 25.50 Foot of descent and
 enter Alamito Cañon
 course N. Westerly.
- 26.00 Leave Alamito Cañon
 and ascend along W.
 slope of spur
- 40.00 Set a granite stone 15 x 8 x 8 in.

Chains	Subdivision of
	10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A mesquite (with 3 forks) 5 ins. diam., bears $S 69^{\circ} E$, 34 lbs. dist., marked $\frac{1}{4}$ S. B. T. A palo verde, 5 ins. diam, bears $N 42^{\circ} \frac{1}{4} W$, 78 lbs. dist., marked $\frac{1}{4}$ S. B. T.
42.50	Top, bears E. and W., and descend
53.00	Gulch, 10 lbs. wide, course W.
55.50	Dry wash, 5 lbs. wide, course W.
59.44	S. E. cor. of Camp Lowell Military Reservation, bears 80 lbs. W.
68.00	Rocky canon, 40 lbs. wide, course N. W.
79.00	Foot of descent, dry wash

T. 14 S. R. 16 E. - Continued

Chains

3 lbs. wide, course W.

80.00

Set a granite stone
 17 x 8 x 4 ins., 12 ins. in
 the ground for cor. of
 secs. 10, 11, 14 and 15, marked
 with 4 notches on S. and
 2 notches on E. edges;
 from which

A palm verde 8 ins. diam.,
 bears S 48° E., 62 lbs.
 marked T. 14 S. R. 16 E. S. 14 B. 5
 No other tree available,
 raise a mound of stone
 2 ft. base, 1½ ft. high,
 W. of cor.

Land mountainous
 Soil, gravelly and rocky,
 4th rate

No timber; undergrowth

Chains

Subdivision of

palu verde and cholla cactus
mountainous land of 80 chs.

West on a true line, bet
secs 10 and 15

.80 Intersect the E. boundary
of Camp Lowell Military
Reservation, 20.56 chs.

N. of monument XVI,
as heretofore described.

Set a granite stone 16x10x6
ins., 11 ins. in the ground
for closing cor. to fractl.

secs. 10 and 15, marked

M. R. on W.,

C. C. on E.,

10 on N and 15 on S.

faces, and raise a
mound of stone 2 ft. base,

T. 14 S. R. 16 E. - Continued

Chains

1 1/2 ft. high, E. of cor.
 Land rolling
 Soil, gravelly; 3rd rate
 No timber; under growth
 palo verde

N 0° 1' W. bet. secs. 10 and 11

Ascending

- 2.50 Top, bears E. and W. and
 descend gradually
- 29.50 Dry wash, 40 lbs. wide, course h.w.
- 40.00 Set a sand stone
 18 x 12 x 3 ins., 12 ins. in
 the ground for 1/4 sec.
 cor., marked 1/4 on W.
 face, from which
 A mesquite 12 ins. diam.,
 bears N 39 3/4° E. 51 lbs.
 dist., marked 1/4 S. B. T.

Subdivision of

Chains

- A mesquite 6 ins. diam.,
 bears $N60^{\circ}W$, 37 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.
- 41.50 Dry wash, 10 lks. wide,
 course N.W.
- 48.00 Dry wash, 10 lks. wide, course N.W.
- 55.00 Dry wash, 4 lks. wide, course N.W.
- 56.70 Dry wash, 8 lks. wide, course N.W.
- 59.60 Dry wash, 30 lks. wide, course N.
- 62.00 Dry wash, 4 lks. wide, course N.W.
- 63.00 Dry wash, 5 lks. wide, course N.W.
- 70.00 Dry wash, 6 lks. wide, course N.W.
- 75.40 Dry wash, 40 lks. wide, course N.W.
- 78.80 Dry wash, 20 lks. wide, course N.
- 80.00 Set a sand stone, $16 \times 8 \times 6$
 ins., 11 ins. in the ground,
 for cor. of secs. 2, 3, 10 and 11,
 marked with 5 notches
 on S and 2 notches on

T. 14 S. R. 16 E. - Continued

Chains

E. edges; from which
 A mesquite 8 ins. diam.,
 bears $N 52^{\circ} E$, 215 lks. dist.,
 marked T. 14 S. R. 16 E.

S. 2 B. T.

A palo verde, 8 ins. diam.
 bears $S 57\frac{1}{2}^{\circ} E$, 79 lks. dist.,
 marked T. 14 S. R. 16 E.,

S. 11 B. T.

A palo verde, 6 ins. diam.
 bears $S 79\frac{3}{4}^{\circ} W$, 66 $\frac{1}{2}$ lks. dist.,
 marked T. 14 S. R. 16 E. S.

10 B. T.

A mesquite 5" ins. diam.,
 bears $N 23\frac{3}{4}^{\circ} W$, 63 lks.
 dist., marked T. 14 S. R. 16 E.

S. 3 B. T.

Land rolling

Soil, gravelly loam; 3rd rate

Subdivision of

Chains

No timber; under growth,
palo verde, mesquite and
grease wood.

Giant cactus

W. on a true line bet
secs. 3 and 10

.79 Intersect E. boundary
Camp Lowell Military
Reservation, 20, 30 chs.

N. of monument XVII,
as heretofore described
Set a granite stone, 15x8x5 in.,
10 ins. in the ground,
for closing cor. to fractl.
secs. 3 and 10, marked

M. R. on W.

C. C. on E.

3 on N and 10 on S. faces,

F. 14 S. R. 16 E. - Continued

Chains

from which

A mesquite 5 ins. diam.,
 bears $N 42\frac{1}{2}^{\circ} E$, 79 lbs.
 dist., marked F. 14 S. R. 16 E.
 S. 3 B. 5.

A palo verde 6 ins. diam.,
 bears $S 48\frac{1}{2}^{\circ} E$, 18 lbs.,
 dist., marked F. 14 S. R. 16 E.
 S. 10 B. 5.

Land rolling

Soil, gravelly loam; 3rd rate
 No timber

Undergrowth, palo verde
 and greasewood

Giant and cholla cacti
 Sept 24. 1897

September 25. 1897:

At 7^h 56^m a. m., l. m. t.,
 I set off $32^{\circ} 14'$ N. on

Subdivision of
Chains

the lat. arc, $1^{\circ} 5'$ S. on
the decl. arc, and determine
a true meridian with
the solar, at the cor. of
secs. 2, 3, 10 and 11.

Thence I run

E. on a true line, bet
secs. 2 and 11

Over rolling land,
through scattering timber
and undergrowth

- 8.60 Dry wash, 8 lks. wide, course N.W.
- 9.50 Dry wash, 10 lks. wide, course N.W.
- 12.00 Dry wash, 40 lks. wide, course Westing
- 22.40 Dry wash, 35 lks. wide, course N.W.
- 35.00 Small cañon, 40 lks. wide, course N.W.
- 40.00 Set a granite stone
18 x 8 x 4 ins., 12 ins. in the
ground, for $\frac{1}{4}$ sec. cor.

T. 14 S. R. 16 E. - Continued

Chains

marked $\frac{1}{4}$ on N. face;
from which

A mesquite, 6 ins. diam.,
bears $N 18^{\circ} E$, 69 lks. dist.,
marked $\frac{1}{4}$ S. B. T.

A mesquite 10 ins. diam.,
bears $S 23\frac{1}{2}^{\circ} E$, 53 lks. dist.,
marked $\frac{1}{4}$ S. B. T.

* The line beyond the $\frac{1}{4}$
sec. cor. is mostly broken
and mountainous, therefore
I discontinue.

Land rolling

Soil, gravelly loam; ^{2nd and 3rd sec.}

Timber, some mesquite

Undergrowth, mesquite

and palo verde

$N 0^{\circ} 1' W$, on a random

Subdivision of

Chains

line bet. secs. 2 and 3

40.00 Set temp. 1/4 sec. cor.

86.86 Intersect N. bdy. of Twp.

40 lks. W. of cor. of secs.

2, 3, 34 and 35, which

is a faint mound of earth,
with decayed bearing trees,

I reestablish the same

as follows: Set a granite

stone 20x8x6 ins., 15 ins. in

the ground, for cor. of

secs. 2, 3, 34 and 35, marked

with 4 notches on W. and

2 notches on E. edges, from

which

A mesquite, 5 ins. diam.,

bears $N 1/2^{\circ} E$, 74 lks. dist.,

marked T. 14 S. R. 16 E. 135 B. 22,

A mesquite, 8 ins. diam., bears

T. 14 S. R. 16 E. - Continued

Chains

S 73° E, 7 lks. dist, marked

T. 14 S. R. 16 E. S. 2 B. 5.

A mesquite, 6 ins. diam

bears S $43^{\circ} \frac{3}{4}$ W, 58 lks. dist,

marked T. 14 S. R. 16 E. S. 3 B. 5.

A mesquite, 6 ins. diam, bears

N $79^{\circ} \frac{1}{4}$ W, 45 lks. dist, marked

T. 14 S. R. 16 E. S. 34 B. 5.

Thence I run

S $0^{\circ} 16'$ W. on a true
line bet. secs. 2 and 3.Over rolling land, through
undergrowth

1.50

Dry wash, 6 lks. wide, course S. E.

14.50

Dry wash, 8 lks. wide, course E.

26.50

Adobe house, bears E. 17 chs

27.00

Mon. N^o 18 (XVIII) of the E. ldy
of Camp Lowell Military
Reservation, bears W. 109 lks.

42

Subdivision of Chains

- and leave palo verde undergrowth
and giant cactus and enter
mesquite undergrowth
- 27.36 Road from Tucson to
San Pedro Valley, bears
N. Easterly and S. Westerly
- 33.50 Martinez ranch bears W. 6chs.
- 37.46 As the $\frac{1}{4}$ sec. cor. point falls
in the middle of Tinque Verde
Creek, I set a granite stone
14 x 10 x 8 ins., 9 ins. in the
ground, for witness cor.
to $\frac{1}{4}$ sec. cor., marked
W.C., $\frac{1}{4}$ on W. face, from
which
- A mesquite, 4 ins. diam., bears
N 37 $\frac{1}{4}$ ° E., 208 lbs. dist., marked
W.C. $\frac{1}{4}$ S. B. T.
- A mesquite, 3 ins. diam.,

T. 14 S. R. 16 E. - Continued

Chains

- bears $S 19\frac{1}{2}^{\circ} E$, 17 lks. dist.,
marked W. C. $\frac{1}{4}$ S. B. T.
- 39.00 Road from Martinez
to Carrillo's ranch, bears
N. Westerly and S. Easterly
- 40.00 Leave mesquite under growth,
bears E. and W.
- 41.40 Road from Tucson to
E. Carrillo's ranch, bears $E \frac{1}{2} W$.
- 41.50 Old brush fence, bears N. E. and $\frac{1}{2} W$.
- 42.00 Enter Tangu Verde, wash,
course S. W.
- 46.86 The point for $\frac{1}{4}$ sec. cor.
- 52.50 Leave Tangu Verde Wash,
course S. W. and enter
dry wash, 60 lks. wide, course
N. N. W.
- 54.50 Leave dry wash, course
N. N. W., Emilio Carrillo's?



Subdivision of

Chains

- bears 10chs. E.
- 55.00 Enter mesquite undergrowth,
bears E. and W.
- 79.25 Dry wash, 20ks. wide, course W.
- 83.20 Dry wash, 8ks. wide, course N.W.
- 86.86 The cor. of secs. 2-3-10 $\frac{2}{4}$ / $\frac{11}{11}$

Land level and rolling
Soil gravelly loam;
2nd and 3rd rate
Timber, some cottonwood
and mesquite; undergrowth
mesquite, palo verde.
Giant and cholla cacti
Sept. 25. 1897

Sept. 27: At 8^h 5^m A.M.
l. m. t., I set off ^{on the lat. arc} 32° 10'
1° 53' S. on the decl. arc,
and determine a true

T. 14 S. R. 16 E. - (Continued)

Chains

meridian, with the solar, at cor. of secs 5, 6, 31 and 32, which a sand stone marked and witnessed as described by the surveyor general
Thence I run

No^o 3' W. bet. secs. 31 and 32

Over rolling land, through scattering palo verde undergrowth

13.40 Dry wash, 10 lks. wide, course W.

21.35 Dry wash, 5 lks. wide, course W.

39.85 Dry wash, 15 lks. wide, course W., thence N.W.

40.00 Set a lime stone 18x10x6 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked

Chains

Subdivision of

$\frac{1}{4}$ on W. face; from which

A mesquite 8 ins. diam., bears $S 25^{\circ} E$, 29 lks. dist., marked $\frac{1}{4}$ S. B. T.

A mesquite 14 ins. diam., bears $S 2^{\circ} W$, 22 lks. dist., marked $\frac{1}{4}$ S. B. T.

45.85 Dry wash, 5 lks. wide, course S.W.

55.55 Dry wash, 3 lks. wide, course N.W.

58.75 Dry wash, 10 lks. wide, course W.

60.40 Dry wash, 10 lks. wide, course S.W.

80.00 Set a quartz stone $16 \times 10 \times 6$

ins., 11 ins. in the ground,

for cor. of secs. 29, 30, 31 $\frac{2}{3}$, 32,

marked with 1 notch

on S. and 5 notches on

E. edges, from which

A palo verde, 6 ins. diam.,

T. 14 S. R. 16 E. - Continued

Chains

bears $N 30\frac{1}{2}^{\circ} E$, 37 lks. dist,
marked T. 14 S. R. 16 E. S. 29 B. T.

A palo verde, 8 ins. diam., bears
 $S 16\frac{3}{4}^{\circ} E$, 42 lks. dist., marked
T. 14 S. R. 16 E. S. 32 B. T.

A mesquite 14 ins. diam.,
bears $S 20\frac{1}{2}^{\circ} W$, 242 lks. dist,
marked T. 14 S. R. 16 E. S. 31 B. T.

A palo verde, 6 ins. diam.,
bears $N 35^{\circ} W$, 8 lks. dist,
marked T. 14 S. R. 16 E. S. 30 B. T.

Land rolling

Soil, gravelly loam, soil
2nd and 3rd rate

Timber, a few mesquites
Undergrowth, palo verde
Giant cactus

East, on a random line

Subdivisions of
chains

- bet. secs. 29 and 32
- 80.06 Intersect N and S. line,
4 lks. N. of cor. of secs.
28, 29, 32 and 33
- Thence I run
N 89° 58' W, on a true line
bet. secs. 29 and 32
- Over mountainous land
and through scattering
undergrowth
- Descending
- 4.00 Foot of descent; dry wash,
5 lks. wide, course S. S. W, and
ascend
- 10.00 Top of slope; descend
- 18.30 Foot of slope and enter
dry wash, 30 lks. wide,
course S. E.
- 20.45 Dry wash, 30 lks. wide, course N. W.

T. 14 S. R. 16 E. - Continued

Chains.

- 25.20 Dry wash, 50 lks. wide, course S.W.
- 27.50 Dry wash, 70 lks. wide, course
N., thence S.W., thence N.W.
- 29.00 Enter dry wash, 50 lks. wide, course S.W.
- 31.00 Leave dry wash, course S.W.
- 32.95 Road from Tanque Verde
to Rincon, bears N.W. and S.E.
- 33.60 Dry wash, 7 lks. wide, course N.W.,
ascend mesa
- 39.00 Top, bears N.W. and S.E.
- 40.03 Set a lime stone $14 \times 10 \times 8$
ins., 9 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on N. face, from which
A mesquite, 8 ins. diam.,
bears $N 57\frac{1}{2}^{\circ} E$, 158 lks. dist.,
marked $\frac{1}{4}$ S. B. T.
- A palo verde, 8 ins. diam., bears
 $S 81\frac{3}{4}^{\circ} E$, 48 lks. dist., marked
 $\frac{1}{4}$ S. B. T.

Subdivisions of

Chains

57.70 Dry wash, 5 lks. wide, course S. 29.

77.00 Dry wash, 10 lks. wide, course S. 29.

80.06 The cor. of secs. 29, 30, 31 ^{2^d}/_{3²}

Land rolling and mountainous,
Soil gravelly; 3rd and 4th rate
No timber; undergrowth
palo verde, mesquite and
cholla.

Mountainous land 18.30 chs.

West on a random line
bet. secs. 30 and 31

40.00 Set temp. 1/4 sec. cor.

82.65 Intersect. W. bdy. of the
Tps. 6 lks. S. of the cor.
of secs. 25, 30, 31 and 36,
as heretofore described.

Thence I run
S 89° 57' E, on a true line

T. 14 S. R. 16 E. — Continued

Chains

bet. secs. 30 and 31

Over rolling land

- 1.15 Dry wash, 6 lks. wide, course S.W.
- 9.65 Dry wash, 5 lks. wide, course S.
- 15.00 Dry wash, 10 lks. wide, course S.
- 17.65 Dry wash, 10 lks. wide, course W.
- 35.05 Old wood road, bears N.W. $2\frac{1}{2}$ lks.
- 42.65 Set a sand stone
 18 x 6 x 6 ins., 12 ins. in
 the ground for $\frac{1}{4}$ sec. cor.,
 marked $\frac{1}{4}$ on N. face,
 from which
 A mesquite, 4 ins. diam.,
 bears $S 26\frac{1}{4}^{\circ} E$, 61 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.
- A mesquite, 6 ins. diam.,
 bears $N 12\frac{1}{4}^{\circ} W$, 120 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.
- 43.35 Dry wash, 7 lks. wide, course N.W.

Subdivisions of

Chains

48.25

Dry wash, 7 lks. wide, course 1/2

53.70

Dry wash, 20 lks. wide, course 1/2

62.78

Dry wash, 5 lks. wide, course 1/2

75.45

Dry wash, 30 lks. wide, course 1/2

82.65

The cor. of secs. 29, 30, 31 ²/₄ / 32

Land rolling

Soil, gravelly loam, 3 ³/₄ rateNo timber; under growth
palo verde, mesquite, cats-
claw and cholla.No^o 3' W. bet. secs. 29 ²/₄ / 30Over rolling land, through
under growth

5.00

Dry wash, 3 lks. wide, course 1/2

40.00

Set a granite stone
18 x 12 x 4 ins., 12 ins. in
the ground for ¹/₄ sec.
cor., marked ¹/₄ on

T. 14 S. R. 16 E - Continued

Chains

W. face; from which
 A palo verde, 7 ins. diam.,
 bears $N 35 \frac{3}{4}^{\circ} E$, 53 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.

A palo verde, 7 ins. diam.,
 bears $N 77 \frac{1}{2}^{\circ} W$, 58 lks. dist.,
 marked $\frac{1}{4}$ S. B. T.

54.70 Dry wash, 3 lks. wide, course W.

56.50 Dry wash, 3 lks. wide, course W.

79.50 Dry wash, 3 lks. wide, course W.

80.00 Set a granite stone

15 x 10 x 4 ins., 10 ins. in

the ground for cor. of

secs. 19, 20, 29 and 30,

marked with 2 notches

on S. and 5 notches

on E. edges; from which

A palo verde, 7 ins. diam.,

bears $N 65 \frac{3}{4}^{\circ} E$, 69 lks. dist.

Subdivision of
Chains

marked T. 14 S. R. 16 E. S. 20 B. 5

A palo verde, 6 ins. diam., bears
S $79\frac{1}{2}^{\circ}$ E., 83 lks. dist., marked
T. 14 S. R. 16 E. S. 29 B. 5

A palo verde, 7 ins. diam.,
bears S $19\frac{3}{4}^{\circ}$ W., 140 lks. dist.,
marked T. 14 S. R. 16 E. S. 30 B. 5

A palo verde, 10 ins. diam.,
bears N 50° W., 173 lks. dist.,
marked T. 14 S. R. 16 E. S. 19 B. 5

Land rolling

Soil, gravelly loam. 2nd $\frac{2}{3}$ rate
No timber, under growth
palo verde, catclaw.

Giant and cholla caeti

S $89^{\circ} 58'$ E., on a random
line bet. secs. 20 and 29

40.00

Set temp. $\frac{1}{4}$ sec. cor.

T. 14 S. R. 16 E. - Continued

Chains

- 80.04 Intersect N. and S. line
14 lks. S. of cor. of secs
20, 21, 28 and 29
Thence I run
S $89^{\circ} 56' W.$, on a true line
bet. secs. 20 and 29
Over rolling land
- 5.30 Dry wash, 9 lks. wide, course N.W.
- 5.60 Dry wash, 15 lks. wide, course N.W.
- 7.00 Dry wash, 4 lks. wide, course N.W.
- 8.90 Dry wash, 5 lks. wide, course N.E.
- 11.10 Old wood road, bears N.W. $\frac{1}{4}$ N.E.
- 16.70 Dry wash, 10 lks. wide, course
N.E.
- 25.80 Dry wash, 5 lks. wide, course N.W.
- 29.65 Dry wash, 10 lks. wide, course N.E.
- 40.02 Set a granite stone
18 x 10 x 6 ins., 12 ins. in the
ground, for $\frac{1}{4}$ sec. cor.

Subdivision of T. 14 N. R. 16 E. - Continued
Chains

- marked $\frac{1}{4}$ on W. face;
from which
A palo verde, 8 ins. diam,
bears $N 84 \frac{1}{2}^{\circ} W$, 74 lks. dist.
marked $\frac{1}{4}$ S. B. T.
- A palo verde, 6 ins. diam,
bears $S 31 \frac{3}{4}^{\circ} W$, 85 lks. dist.,
marked $\frac{1}{4}$ S. B. T.
- 52.10 Dry wash, 6 lks. wide, course $N 10^{\circ} W$
- 57.20 Road, from Tanque Verde
to Rincon, bears N. and S.
- 59.90 Dry wash, 30 lks. wide, course $N 10^{\circ} W$
- 62.00 Dry wash, 6 lks. wide, course $N 10^{\circ} W$,
thence N. E
- 77.00 Wood road, bears $N 85^{\circ} W$
and $S 85^{\circ} E$
- 80.04 The cor. of secs. 19, 20, 29 $\frac{2}{3}$ / 30
Land rolling
Soil, gravelly, 2nd and 3rd rate

Concluded, Book 878