

1560

BOOK 1560

1560

Resurvey

4-671

FIELD NOTES  
GENERAL LAND OFFICE.2<sup>nd</sup> " Guide Mer. E.throughTps. 11, 12, 13 <sup>AND</sup> 14 S.bet. R's. 10 <sup>AND</sup> 11 E.

## Chains

By 2<sup>nd</sup> set, 39.98 chs, the mean of which is

40.00 Set a mesquite post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  S. on W. face; dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. After diligent search no signs of old  $\frac{1}{4}$  sec. cor. can be found

76.10 Dry Wash, 8 lks wide, course 1. & Difference between measurements of 80 chs. by two sets of chainmen

Resurvey of the 2<sup>nd</sup> Guide Mr. through  
Chains

is 12 lks., position of  
middle point

By 1<sup>st</sup> set, 79.94 chs.,

By 2<sup>nd</sup> set 80.06 chs., the  
mean of which is

80.00 Set a mesquite post 3 ft  
long, 4 ins. sq. with  
marked stone 24 ins.

in the ground, for cor.  
of secs 1, 6, 7 and 12, marked

T. 12 S. S. 6 on N.E.,

R. 11 E. S. 7 on S.E.,

S. 12 on S.W. and

R. 10 E. S. 1 on N.W. faces,

with 1 notch on N. and  
5 notches on S. edges;

from which

A mesquite 7 ins. diam  
bears S 35° W, 243 lks.



Tps 17, S. bet Rs 10 and 11 E - Continued

Chains

dist., marked T. 12 S. R.  
10 E. S. 12. B. T.; no other  
trees within limits;  
dig pits 18 x 18 x 12 ins. in  
secs 1, 6 and 7, 5½ ft  
dist., and raise a mound  
of earth 4 ft. base, 2 ft  
high, W. of cor.

After diligent search  
no signs of old cor.  
can be found

Land, level

Soil, loam; 1<sup>st</sup> rate

Timber, a few mesquite

North, bet. secs. 1 and 6.

Over level land

Difference between  
measurements of

Resurvey of the 2<sup>nd</sup> Guide Mer. - through  
chains

40 chs, by two sets of  
chainmen, is 10 lbs.  
position of middle  
point

By 1<sup>st</sup> set, 39.95 chs.

By 2<sup>nd</sup> set, 40.05 chs, the  
mean of which is

40.00 Set a mesquite post 3 ft  
long, 3 ins. sq. with  
marked stone 24 ins. in  
the ground for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  S. on W. face;  
from which

A mesquite 5 ins. diam  
bears  $S 50\frac{3}{4}^{\circ} E$ , 88 lbs.  
dist.; marked  $\frac{1}{4}$  S. B. T.,  
no other tree within  
limits; dig pits 18x18x12  
ins. N. and S. of post,

Tps 12 S. bet Rs 10 and 11 E - Continued

Chains

3 ft. dist; and raise a mound of earth  $3\frac{1}{2}$  ft base,  $1\frac{1}{2}$  high, W. of cor. After diligent search no signs of old cor. can be found.

53.28 Trail bears N.W. and S.E.

62.70 Dry Wash, 8 lks wide, 5 ft. deep, course East.

67.88 Road bears N.W. and S.E.

72.37 Trail bears E. and S.W.

79.25 Trail bears N. E. and S.W.

Difference bet. measurements of 80 chs. by two sets of chainmen is 8 lks, position of middle point

By 1st set, 80.04 chs.

By 2nd set, 79.96 chs, the



Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chauk

mean of which is

80.00 Set a mesquite post  
3 ft. long 4 ins. sq. with  
marked stone 24 ins.  
in the ground. I then  
discontinue this line  
for the present as I  
believe that corners  
through Tps. 11 S. will  
have to be established  
for surveys on the W.,  
only. June 26. 1895.

July 3. 1895: After having  
ascertained that the  
falling of the S. bdy  
of T. 11 S. R. 11 E. exceeds  
the prescribed limits  
of 3 chs. I mark the post

Tps. 12 S. bet Rs 10 and 11 E - Continued  
Chains

set June 26. 1895 as here-  
 tofore described, for cor.  
 of Tps. 11 and 12 S. R. 10 E,  
 on W. bdy. T 12 S., R. 11 E.  
 as follows:

T. 12 S. R. 10 E. S. 1 on S.W. and  
 T. 11 S. R. 10 E. S. 36 on N.W.  
 faces with 6 notches  
 on N and W. edges; dig  
 pits  $30 \times 24 \times 12$  ins., on  
 each line N and S, 4 ft.,  
 and W. of post, 8 ft. dist.;  
 and raise a mound  
 of earth, 5 ft. base,  $2\frac{1}{2}$  ft.  
 high. W. of cor.

A mesquite 10 ins. diam  
 bears  $S 5\frac{3}{4}^{\circ} E$ , 321 lks  
 dist. marked T. 12 S.  
 R. 11 E. S. 6. B.T.



Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

A mesquite 9 ins. diam  
bears  $S 28^{\circ} W$ , 321 lks. dist.  
marked T. 12 S. R. 10 E.

S. 1. B. T.

After diligent search  
no signs of old cor.  
can be found.

Land, level

Soil, loam and sand,  
1<sup>st</sup> and 3<sup>rd</sup> rate

No timber, excepting  
a few mesquite

July 3. 1895.

At the above described  
cor. at  $0^h 24^m$  l. m. t.

July 5. 1895 I observe Polaris  
at eastern elongation  
in accordance with in-  
structions in the manual

Types 12. S. bet Rs. 10 and 11 E - Concluded  
Chains

and mark the point in line thus determined by a tack driven in a wooden plug set in the ground 5 chs. N. of cor.

July 5. 1895. At 6<sup>h</sup> 15<sup>m</sup> a.m., lay off the azimuth of Polaris to the west and mark the True Meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night.

The magnetic bearing of the true meridian is  $N 13^{\circ} W$ ; which reduced by the table on page 100 of the manual gives the mean mag. decl.  $12^{\circ} 57' E$ .

Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

- North, bet. secs 31 and 36  
Over level land, through  
scattering undergrowth
- 13.88 Trail bears N.E. and S.W.
- 34.75 Trail bears N.E. and S.W.
- Difference between measure-  
ments of 40 chs. by two  
sets of chainmen is 4 lks.,  
position of middle point
- By 1<sup>st</sup> set, 39.98 chs,  
By 2<sup>nd</sup> set 40.02 chs, the mean  
of which is
- 40.00 Set a mesquite post, 3 ft  
long, 3 ins. sq., with marked  
stone, 24 ins. in the ground  
for  $\frac{1}{4}$  sec. cor, marked  $\frac{1}{4}$  s.  
on W. face; dig pits 18x18x12  
ins. N. and S. of post, 3 ft  
dist; and raise a mound



Tps. 11 S. lot. Rs. 10 and 11 E - Continued

Chains

of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high. W. of cor.

52.25 Trail bears N. E. and S. W.

75.40 Trail bears N. N. E. and S. S. W.

Difference between measurements of sochs by two sets of chainmen is 6 lks; position of middle point

By 1<sup>st</sup> set, 79.97 chs

By 2<sup>nd</sup> set 80.03 chs, the mean of which is

80.00 Set a gravel stone  $18 \times 6 \times 5$  ins., 12 ins. in the ground for cor. of secs. 25 and 36, marked with 5 notches on N., and 1 notch on S. edges; dig pits  $24 \times 24 \times 12$  ins., in each sec., 6 ft

Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

dist., and raise a mound  
of earth, 4 ft. base, 2 ft  
high W. of cor.

After diligent search no  
signs of old cor. can be  
found.

Land, level

Soil, sandy loam; 2<sup>nd</sup> rate

No timber; undergrowth  
greasewood.

North bet. secs 25 and 30

Over level land, through  
scattering undergrowth.

14.35 Trail bears E and W.

21.70 Trail bears E and W.

Difference between measure-  
ments of 40 chs by two  
sets of chainmen is 6 chs.

Tps. 11 S. bet. Rs 10 and 11 E - Continued

Chains

position of middle point

By 1<sup>st</sup> set, 40.03 chs

By 2<sup>nd</sup> set, 39.97 chs, the  
mean of which is

40.00 Set a mesquite post  
3 ft. long, 3 ins. sq. with  
marked stone 24 ins.  
in the ground for  $\frac{1}{4}$

sec. cor., marked  $\frac{1}{4}$  S.

on W. face, dig pits  
18 x 18 x 12 ins. N and S. of

post, 3 ft. dist., and  
raise a mound of earth  
3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft. high  
W. of cor.

After diligent search  
no signs of  $\frac{1}{4}$  sec. cor.  
can be found

65.00 Trail bears E and W.



Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chain

74.00 Descend to

into Gulch

75.00 Bottom bears E. and W.

Difference between measurements of sochs. between two sets of chainmen is 4 lbs. position of middle point

By 1<sup>st</sup> set 39.98 chs.

By 2<sup>nd</sup> set 40.02 chs, the mean of which is

80.00 Set a granite stone 18 x 12 x 10 ins., 12 ins. in the ground for cor. of sec.

24 and 25, <sup>19 and 30</sup> marked with 4 notches on N., and 2 notches on S. edges;

from which

A mesquite 10 ins. diam.

bears S 25½° W, 253 lbs. dist

Tps. 11 S. bet. Rs 10 and 11 E - Continued

Chains

marked T. 11 S. R. 10 E.

S. 25. B. T.

A mesquite 4 ins. diam  
bears N 6½° W. 276 lks.

dist., marked T. 11. S. R. 10 E.

S. 24. B. T.

After diligent search,  
no signs of old cor. can  
be found.

Land, level

Soil, sandy loam, 2<sup>nd</sup> rate

Timber, a few mesquite,  
under growth greasewood.

North bet. secs. 19 and 24

Over level and gently rolling  
land through scattering  
under growth

10.00 Center of channel of

Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

- Santa Cruz River (dry) 130  
lks wide, course West
- 13.00 Center of Channel of Santa  
Cruz River (dry) 120 lks wide  
course West
- 32.00 Trail bears E. and W.
- 33.30 Perpendicular bank 15 ft.  
high, bears  $N 85^{\circ} W$  and  $S 85^{\circ} E$   
Difference between measure-  
ments of 40 chs. by two  
sets of chainmen is 8 lks,  
position of middle point  
By 1<sup>st</sup> set is 39.96 chs,  
By 2<sup>nd</sup> set is 40.04 chs, the  
mean of which is
- 40.00 Set a mesquite post  
3 ft. long. 3 ins. sq. with  
marked stone 24 ins.  
in the ground for  $\frac{1}{4}$  sec.



Tps. 11 <sup>Set</sup> R<sub>s</sub> 10220d 11E - Continued  
Chains

cor. marked  $\frac{1}{4}$  S. on  
W. face; from which  
A mesquite 8 ins. diam  
bears  $N 12^{\circ} E$ , 100 Mts. dist.,  
marked  $\frac{1}{4}$  S. B. T.

A mesquite 8 ins. diam  
bears  $S 38^{\circ} W$ , 103 Mts. dist.,  
marked  $\frac{1}{4}$  S. B. T.

After diligent search  
no signs of old  $\frac{1}{4}$  sec.  
cor. can be found.

47.30 Trail bears E. and W.

50.15 Trail bears N.W. and S.E.

57.60 Trail bears N.W. and S.E.

Difference between measure-  
ments of 80 chs. by two  
sets of chainmen is 9 Mts.,  
position of middle point.  
By 1<sup>st</sup> set, 80.04  $\frac{1}{2}$  chs.

Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

By 2<sup>nd</sup> set, 79.95½ chs, the  
mean of which is  
80.00 Set a granite stone  
18x10x6 ins, 12 ins. in the  
ground for cor. of secs  
13 and 24, marked with  
3 notches on N. and S.  
edges, from which  
a mesquite 4 ins. diam  
bears N 74½° W <sup>100</sup> lbs dist,  
marked T. 11 S. R. 10 E, S. 13 B. T.,  
no other tree within limits,  
dig pits 24x24x12 ins, in  
each sec, 6 ft. dist., and  
raise a mound of earth,  
4 ft. base, 2 ft. high, W.  
of cor. (No. cor. to be found)  
Land, level and gently  
rolling.

Tps. 11 S. bet R's 10 and 11 E - Continued  
Chains

Soil, sandy loam; 2<sup>nd</sup> rate  
Timber, mesquite; under-  
growth greasewood.

North bet. secs. 13 and 18  
Over level land, through  
scattering timber and  
undergrowth

25.20 Trail bears E. and W.

Difference between  
measurements of two  
sets of chainmen is 8 kys,  
position of middle  
point

By 1<sup>st</sup> set, 39.96 chs.

By 2<sup>nd</sup> set 40.04 chs, the  
mean of which is

40.00 Set a mesquite post  
3 ft. long, 3 ins. sq. with



Resurvey of the 2<sup>nd</sup> Guide Mt. through  
Chains

marked stone 24 ins.  
in the ground, for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  s.  
an W. face; from which  
A mesquite 10 ins. diam  
bears  $N63\frac{1}{2}^{\circ}E$ , 173 lks. dist.  
marked  $\frac{1}{4}$  s. B. T.

A mesquite 10 ins. diam  
bears  $S74^{\circ}W$ . 224 lks.

dist. marked  $\frac{1}{4}$  s. B. T.  
No signs of old  $\frac{1}{4}$  sec. cor. can be found

- 51.50 Trail bears N. E. and S. W.  
61.50 Trail bears E. and W.  
71.01 Trail bears E. and W.  
73.30 Trail bears E. and W.

Difference between  
measurements of rocks  
by two sets of chainmen  
is 10 lks, position of  
middle point

Tps. 11 S. R. 10 and 11 E. - Continued

Chains

By 1<sup>st</sup> set 79.95 chs.

By 2<sup>nd</sup> set 80.05 chs; the  
mean of which is

80.00 Set a mesquite post  
3 ft. long, 4 ins. sq. with  
marked stone 24 ins.  
in the ground, for  
cor. of secs 12 and 13,  
marked

T. 11 S., S. 13 on S.W. and  
R. 10 E., S. 12 on N.W. faces,  
with 2 notches on W.  
and 4 notches on S.  
edges, from which  
a mesquite 7 ins. diam.  
bears S. 53° W. 120 lbs. dist.  
marked T. 11 S. R. 10 E.  
S. 13. B. T., no other  
tree within limits;

Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

dig pits 24 x 24 x 12 ins.,  
in each sec., 6 ft. dist.,  
and raise a mound  
of earth 4 ft. base, 2 ft.  
high, W. of cor.

After diligent search  
no signs of old cor. can  
be found

Land, level

Soil, loam; 1<sup>st</sup> rate

Timber; mesquite; under-  
growth mesquite and  
greasewood.

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North let secs 7 and 12.

Over level land, through  
scattering undergrowth

17.77 Trail bears N.W. and S.E.

Difference between



Tps. 11 S. bet Rs. 10 and 11 E - Continued  
Chains

measurements of 40 chs  
by two sets of chainmen  
is 2 lks., position of  
middle point

By 1<sup>st</sup> set, 40.01 chs,

By 2<sup>nd</sup> set, 39.99 chs, the  
mean of which is

40.00 Set a mesquite post  
3 ft. long, 3 ins. sq. with  
marked stone 24 ins. in  
the ground for  $\frac{1}{4}$  sec.  
cor. marked  $\frac{1}{4}$  S on W  
face; from which  
A mesquite 10 ins. diam  
bears  $N 7\frac{1}{4}^{\circ} E$ , 152 lks. dist.  
marked  $\frac{1}{4}$  S. B. T  
A mesquite 5 ins. diam  
bears  $S 2\frac{1}{2}^{\circ} W$ , 152 lks  
dist.; marked  $\frac{1}{4}$  S. B. T.

Resurvey of the 2<sup>nd</sup> Guide Mer. through  
Chains

After diligent search  
no signs of old  $\frac{1}{4}$  sec.  
cor. can be found.

#3.32 Trail bears N.W. and S.E.

Difference between measure-  
ments of 80 chs, by two  
sets of chainmen is 7 $\frac{1}{2}$  Ws.  
position of middle point

By 1<sup>st</sup> set, 79.96 $\frac{1}{2}$  chs

By 2<sup>nd</sup> set, 80.03 $\frac{1}{2}$  chs, the  
mean of which is

80.00 Set a volcanic stone

15x10x6 ins., 10 ins. in the  
ground for cor. of secs.  
1 and 12, marked with  
1 notch on N., and 5 notches  
on S. edges; dig pits  
24x24x12 ins., in each  
sec., 6 ft. dist., and raise

Tps 11 S. bet. R's 10 and 11 E - Continued  
Chains.

a mound of earth, 4 ft  
base, 2 ft. high W. of cor.  
After diligent search  
no signs of cor. can be  
found.

Land level

Soil, loam; 1st rate  
Timber, a few mesquite;  
undergrowth, greasewood

North, bet secs. 1 and 6  
through scattering  
undergrowth

22.64 Trail bears N.W. and S.E.

Difference between  
measurements of 38.30 chs  
by two sets of chainmen  
is 3 lks; position of  
middle point



Resurvey of the 2<sup>nd</sup> Guide Mer. through

By 1<sup>st</sup> set, 38, 28½ chs.

By 2<sup>nd</sup> set, 38.31½ chs. the  
mean of which is

38.30 Intersect the "Second  
Standard Parallel  
South" at a point  
3.73 West of standard  
¼ sec. cor. of sec. 36,  
T. 10. S. R. 10 E., at which  
point I set a volcanic  
stone 16x10x8 ins., 11 ins.  
in the ground, for  
closing cor. of Tps. 11 S.,  
Rs. 10 and 11 E., marked  
C.C. on S.; with 6 grooves  
on S., E., and W. faces;  
from which  
A mesquite 6 ins. diam

Tps. 11 S. bet. Rs 10 and 11 E - Concluded

bears  $S 36 \frac{3}{4}^{\circ} E$ , 125 lbs  
dist., marked T. 11 S. R.  
11 E. S. 6. B. T.

A mesquite 8 ins. diam.  
bears  $S 54 \frac{1}{2}^{\circ} W$ , 229 lbs  
dist., marked T. 11 S. R.  
10 E. S. 1. B. T.

Land level  
Soil, loam, 1<sup>st</sup> rate  
Timber, a few mesquite;  
under growth grease-  
wood and mesquite

Note: From the closing  
cor. of Tps. 11 S. Rs 10 and 11 E.  
I continue on a blank  
line, north 42 chs. in  
search of the old  $\frac{1}{4}$  sec.  
cor. between sees. 1 and 6.

Resurvey of the 2<sup>nd</sup> Guide Mer. through

and the closing cor. of  
Tps 11 S. R's 10 and 11 E,  
which was established  
on the "Second Standard  
Parallel South" the one that  
was first established  
by U. S. Deputy Foreman,  
about 40 chs further  
north of the present  
"Second Standard  
Parallel South", but  
after diligent search  
no signs of old cor.  
can be found.

July 5. 1895

General Description

Through Tps. 11, 12, 13 and 14  
S, <sup>this line</sup> runs over a general  
level plain, covered



Tps. 11, 12, 13, <sup>2nd</sup> 14 S. bet. R. 10 <sup>2nd</sup> & 11 E - Concluded

with scattering grease  
wood under growth and  
some mesquite timber.  
The land on both sides  
of the line is of good  
quality and capable  
of producing abundant  
crops with an artificial  
irrigation. There is  
no water along the  
line. There is one ranch  
about in the center of  
Tps. 11 S. R. 11 E and one  
about in the center of  
Tps. 14 S. R. 10 E.

Philip Cortzen  
U. S. Deputy Surveyor

U. S. Surveyor-General's Office,  
Tucson, A. T., November 28, 1896. 90

The foregoing field notes of the Sur-  
veys of the **BOOK 1560**

U. S. Surveyor-General's Office,  
Tucson, A. T., November 28, 1896.

The foregoing field notes of the Re-  
survey of 2nd Guide Meridian East, through  
Townships 11, 12, 13 and 14 <sup>SOUTH</sup> East, between  
Ranges 10 and 11 East, Gila and Salt  
River Meridian in Arizona, executed by

-----Philip Contzen-----

U.S. Deputy Surveyor, under his contract  
No. 36, dated February 5, 1895, having  
been critically examined, the necessary  
corrections and explanations made, the  
said field notes and the Surveys they  
describe, are hereby approved.

*George J. Roskrige*

U. S. Surveyor-General,

for the Territory of Arizona.