

1.

864

BOOK 864

No. 864

4-671

**FIELD NOTES**  
**GENERAL LAND OFFICE.**

*Resurvey of "3<sup>rd</sup> Standard  
Parallel South through R. 24 E.  
E. body of T. 16 S. R. 24 E.*

*Subdivision  
of  
T. 16 S. R. 24 E.*

## Field Notes

of the resurvey of the  
Third Standard Parallel South  
through Range 24 East,  
and the E. bdy. of T. 16 S. R. 24 E;  
and the survey of the  
Subdivision lines

— of —

Townships 16 South, Range 24 East

— of the —

Principal Base <sup>9</sup>/<sub>16</sub> of Meridian  
— in the —  
Territory of Arizona.

Alfred L. Trippel,  
U. S. Deputy Surveyor  
As surveyed by

Philip Contzen,  
Compassman

Under Contract No 29.

Dated June 17. 1893

Survey commenced, November 13. 1895

Survey completed, January 26. 1896

Index for {  
 BOOK 856  
 BOOK 864  
 BOOK 865

(4-674.)

Township 16. *S.* R. 24 *E.*

21	18	16	12	9	6						
6	162	5	134	4	111	3	87	2	65	1	40
160	159	132	108	84	64						
7	156	8	130	9	105	10	82	11	62	12	38
155	153	128	104	80	60						
18	151	17	126	16	101	15	78	14	58	13	36
<i>Auxiliary Base Line</i>											
19	136	20	115	21	91	22	68	23	46	24	35
141	139	118	94	70	49						
30	143	29	120	28	96	27	72	26	51	25	32
147	145	122	98	74	55						
31	149	32	124	33	99	34	76	35	56	36	29

Note: In my Special Instructions dated September 23, 1895, page 4 I was instructed to establish the south boundaries of Tps. 16 S. R's 23 and 24 E. by running from cor. of Tps. 16 and 17 S. R's 24 and 25 E. West on a random line to cor. of Tps. 16 and 17 S. R's 22 and 23 E. and correct back on a true line with fractional distance apportioned to each township and placed in the West half mile, but owing to the fact that portion of the South boundary of T. 16 S. R. 23 E. was impracticable for chaining on account of high mountains I established an Auxiliary Base Line through the center of Tps. 16 S. R's 23 and 24 E. therefore, lines bet. secs. 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, which preceded the subdivision of this township will be found in book of exteriors, pages 11-22

---

Resurvey of the Third Standard Parallel  
chains

November 13. 1895: At  
2<sup>h</sup> 5<sup>m</sup>. p. m., l. m. t., I set  
off  $32^{\circ}5'$  on the lat. arc,  
and  $17^{\circ}59'S$  on the decl. arc,  
and determine a true meri-  
dian, at the standard  
cor. of Tps. 15 S. R's 23<sup>2</sup>/<sub>4</sub> & 24 E.,  
thence, I run East on a  
random line, setting temp.  
standard  $\frac{1}{4}$  and sec. cors.,  
at intervals of 40.00 chs.,  
at 453.60 chs. I find a  
decayed stake, with marks  
obliterated; I identify the  
same, to be the closing cor.  
of Tps. 16 S. R's 24 and 25 E.  
and at 480.00 chs. I find  
the standard cor. of Tps.  
15 S. R's 24 and 25 E., which

South through Range 24 East —  
Chains

is a decayed stake with marks obliterated, I reestablish the same, by setting a pine post, 3 ft. long, 4 ins. sq., with marked stone 24 ins. in the ground, for standard cor. of Tps. 15 S, R. 24 and 25 E., marked S. C. T. 15 S, on N.

R. 25 E., T. 31, on E., and R. 24 E., T. 36, on W. faces; with 6 grooves on N. E. and W. faces; dig pits, 30 x 24 x 12 ins., crosswise on each line E. and W., 4 ft., and N. of post 8 ft. dist., and raise a mound of earth, 5 ft. base, 2 1/2 ft. high N. of cor.

November 13, 1896

Resurvey of the Third Standard Parallel  
Chains

Finding no standard  
¼ and sec. corners through  
this range, I write to  
the Surveyor General for  
authority to resurvey the  
"Third Standard Parallel  
South," through Range 24 E.  
— The Surveyor General,  
by letter, dated Dec. 3, 1895,  
authorizes me to make  
such resurvey

December 27, 1895: At  
the standard cor. of Tps.  
15. S. Rs. 24 and 25, E.,  
as reestablished by me  
on November 13, 1895: At  
9<sup>h</sup> 10<sup>m</sup> A. M., l. m. t.,  
I set off  $32^{\circ}5'$  on the lat.

South through 24 East, Continued  
Chains'

arc, and  $23^{\circ}18'$  S. on the  
decl. arc, and determine  
a true meridian,

Thence, I ran  
West, on S. bdy. sec. 36  
Over level alkali flat

26.40 The closing cor. of Tps.

16 S. Rs. 24 and 25 E,  
which I reestablished  
November 14. 1895 see page 25

Difference between measure-  
ments of 40.00 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 pine post, 3 ft. long



Resurvey of the Third Standard Parallel  
Chains

4 ins. sq., with marked  
stone, 24 ins. in the ground,  
for standard  $\frac{1}{4}$  sec. cor.,  
marked S. C.  $\frac{1}{4}$  on N.  
face; dig pits 18 x 18 x 12 ins.  
E. and W. of post, 3 ft.  
dist., and raise a mound  
of earth, 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft.  
high, N. of cor.

No traces of old cor.

Difference between measure-  
ments of 80.00 chs. <sup>by two sets of chainmen</sup> is 4 lks.,  
position of middle point

By 1<sup>st</sup> set, 80.02 chs;

By 2<sup>nd</sup> set, 79.98 chs; the  
mean of which is

80.00

Set a pine post, 3 ft.  
long, 4 ins. sq., with  
marked stone 24 ins. in

South through Range 24 East, Continued  
 Chains

The ground for standard  
 cor. of secs. 35 and 36,  
 marked

S. C. T. 15 S. R. 24 E., on N.

S. 36 on E., and

S 35 on W. faces; with  
 1 groove on E. and 5 grooves  
 on W. faces; dig pits  
 24 x 18 x 12 ins. E. and W.,  
 3 ft., and N. 7 ft. dist;  
 and raise a mound of  
 earth, 4 ft. base, 2 ft.  
 high, N. of cor.

No traces of old cor.

Land level

Soil, clay and alkali; 4<sup>th</sup> rate

No timber

West on S. hdy. sec. 35

Over level alkali flat

Resurvey of the Third Standard Parallel  
Chains

Difference, between measurements of 40.00 chs., by two sets of chainmen is 8 lks., 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 pine post, 3 ft. long, 4 ins. sq., with marked stone, 24 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked S. C. 44, on N. face; dig pits 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft. high, N. of cor.

No traces of old cor.

South through Range 24 East-Continued  
Chains

Difference, between measurements of 80 chs. 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 pine post, 3 ft. long, 4 ins. sq., with marked stone, 24 ins; in the ground for standard cor. of secs. 34 and 35, marked,

S. C. T. 15 S. R. 24 E. on N., S. 35 on E., and

S. 34 on W. faces, with 2 grooves on E. and 4 grooves on W. faces, dig pits 24 x 18 x 12 ins, E and W.

Resurvey of the Third Standard Parallel  
Chains

3 ft. and N. 7 ft. dist. and  
raise a mound of earth,  
4 ft. base, 2 ft high, N. of cor.  
No traces of old cor.

Land level

Soil, clay <sup>2</sup>/<sub>3</sub> alkali, <sup>4</sup>/<sub>th</sub> rate  
No timber

West., on S. bdy, Sec. 34  
Over level land

18.00 Road bears N.E. and S.W.  
Difference, between measure-  
ments of 40 chs; by two  
sets of chainmen is 600,  
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

South through Range 24 East - Continued

Chains

- 40.00 Set a pine post, 3 ft. long, 4 ins. sq., with marked stone, 24 ins., in the ground for standard  $\frac{1}{4}$  sec. cor., marked S.C.  $\frac{1}{4}$  S on N. face; dig pits 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist. and raise a mound of earth, 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft. high, N. of cor. No traces of old cor.
- 43.37 Trail, bears N.E.  $\frac{2}{3}$  of S.W.
- 46.69 Trail, bears N. and S.
- 47.00 Leave alkali flat, bears N.  $\frac{2}{3}$  of S.
- 47.52 Trail, bears N.E. and S.W.
- 48.07 Wire fence, bears N. and S.
- 52.37 Wire fence, bears N. and S.
- 56.00 Lumber house, bears S 74° E, 8 chs. dist;  
Windmill, and reservoir

Resurvey of the Third Standard Parallel  
Chains

bears  $S 77 \frac{3}{4}^{\circ} E$ , 7chs. distant

S. E. cor. of Adobe house

bears  $S 12 \frac{1}{2}^{\circ} E$ , 1.50chs. dist.

Wind Mill, bears  $N 79 \frac{3}{4}^{\circ} E$

6.50chs. distant

Wind Mill, bears  $N 88^{\circ} E$ ,

600chs. dist.

58.30 Road, bears N.W.  $\frac{2}{3}$  of S.E.

62.26 Trail, bears N.W.  $\frac{2}{3}$  of S.E.

65.42 Trail, bears N.W.  $\frac{2}{3}$  of S.E.

67.03 Trail, bears N.N.W. and S.S.E.

Difference, between measure-  
ments of 80.00chs., by two  
sets of chainmen, 6 Mv.;  
position of middle point

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

By 2<sup>nd</sup> set 80.03chs; the

mean of which is

80.00 Set a pine post, 3ft. long,

South through Range 24 East, Continued  
 Chains.

4 ins. sq., with marked  
 stone, 24 ins. in the  
 ground for standard  
 cor. of secs. 33 and 34,  
 marked

S. C. T. 15 S., R. 24 E. on N.

S. 34 on E., and

S. 33 on W., faces, with  
 3 grooves on E. and W. faces.

Dig pits 24 x 18 x 12 ins., E.

and W., 3 ft. and N. 7 ft.

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

No traces of old cor.

Land level

Soil, clay<sup>2</sup>/<sub>3</sub> alkali; 4<sup>th</sup> rate

No timber



Resurvey of the Third Standard Parallel  
Chains

West on S. bdy. Sec. 33  
Over level land

- 15.00 Ascend, 20 ft.  
20.00 Top, bears N.W.  $4^{\text{th}}$  of S.E.  
21.26 Road, bears N.N.W.  $2^{\text{nd}}$  of S.S.E.  
33.48 Trail, bears N  $10^{\circ}$  E.  $2^{\text{nd}}$  of S.  $10^{\circ}$  W.  
34.82 Trail, bears N.E. easterly  $2^{\text{nd}}$  of S. Westerly  
35.40 Trail, bears N.E. easterly  $2^{\text{nd}}$  of S. Westerly

Difference, between  
measurements of 40 chs.,  
by two sets of chainmen,  
is 7 lks. position of  
middle point.

By 1<sup>st</sup> set, 39.96 $\frac{1}{2}$  chs.,

By 2<sup>nd</sup> set, 40.03 $\frac{1}{2}$  chs.; the  
mean of which is

- 40.00 Set a pine post, 3 ft  
long, 4 ins. sq, with  
marked stone, 24 ins.

South Through Range 24 East (Continued)  
Chains

in the ground, for  
standard  $\frac{1}{4}$  sec. cor.,  
marked, S. C.  $\frac{1}{4}$  S, on  
N. face; dig pits  $18 \times 18 \times 12$   
ins., E. and W. of post  
3 ft. dist; and raise a  
mound of earth  $3\frac{1}{2}$  ft  
base,  $1\frac{1}{2}$  ft. high N. of cor.

Difference, between measure-  
ments of 80.00 chs., by two  
sets of chainmen, is 7 lks.  
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 pine post, 3 ft  
long, 4 ins. sq., with  
marked stone, 24 ins.  
in the ground for standard

Resurvey of the Third Standard Parallel  
Chains

cor. of secs. 32 and 33,  
marked  
S.C. T. 15 S. R. 24 E. on N.  
S. 33 on E., and  
S. 32 on W. faces, with  
4 grooves on E., and  
2 grooves on W. faces; dig  
pits 24 x 18 x 12 in., E. and W.,  
3 ft. and N. 7 ft. dist. and  
raise a mound of earth,  
4 ft. base, 2 ft. high, N. of cor.  
No traces of old cor.

Land level

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

No timber

West, on S. bdy. Sec. 32

Over gently rolling land

36.27 Old road, bears N.E. <sup>and S.W.</sup>

South through Range 24 East (Continued)  
Chains

Difference, between measurements of 40chs., by two sets of chainmen, is 4 lks., position of middle point

By 1<sup>st</sup> set. 40.02 chs.;

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

40.00 Set a pine post, 3 ft. long, 4 ins. sq., with marked stone stone, 24 ins., in the ground for standard  $\frac{1}{4}$  sec. cor., marked S.C.  $\frac{1}{4}$  S., on N. face; dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
No traces of old cor.

Resurvey of the Third Standard Parallel  
Chains

64.40 Old road, bears N.E. and S.W.

Difference, between  
measurements of 80.00  
chs. by two sets of chain-  
men, is 8 lks.; position  
of middle point

By 1<sup>st</sup> set, 80.04 chs.;

By 2<sup>nd</sup> set, 79.96 chs.; the  
mean of which is

80.00 Set a pine post, 3 ft.  
long, 4 ins. sq., with  
marked stone 24 ins.  
in the ground for standard  
sec. cor. of secs. 31<sup>2</sup>/<sub>3</sub> & 32,  
marked

S. C. T. 15 S. R. 24 E. on N.,

S. 32 on E., and

S. 31 on W. faces, with  
5 grooves on E. and 1 groove

South through Range 24 East Continued  
Chains

on N. faces; dig pits  
24 x 18 x 12 ins., E. and W.,  
3 ft. and N. 7 ft. dist.;  
and raise a mound  
of earth, 4 ft. base, 2 ft.  
high, N. of cor.

No traces of old cor.

Land, gently rolling  
Soil, sandy loam; 2<sup>nd</sup> rate  
No timber

West, on S. bdy. Sec. 31  
Over gently rolling land  
Difference, between measure-  
ments, of 40.00 chs., by  
two sets of chainmen,  
is 4 lbs., position of  
middle point.

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

Resurvey of the Third Standard Parallel  
Chains

By 2<sup>nd</sup> set, 40.02 chs; the  
mean of which is  
40.00 Set a pine post, 3 ft.  
long, 4 ins. sq. with  
marked stone, 24 ins.  
in the ground, for standard  
4 sec. cor., marked S.C.  
4 S. on N. face; dig  
pits 18 x 18 x 12 ins. E. and  
W. of post, 3 ft. dist; and  
raise a mound of earth  
3½ ft. base, 1½ ft. high,  
N. of cor.

Faint traces of pits

- 47.60 Dry wash, 6 lks. wide, course N.E.  
48.10 Trail, bears N.E. and S.W.  
66.05 Road, from Dragoon  
Summit to Willcox,  
bears N.E. and S.W.

South, through Range 24 East, continued  
Chains

Difference, between  
measurements of 80.00 chs.,  
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 pine post, 3 ft  
long, 4 ins. sq., with  
marked stone, 24 ins.  
in the ground for  
standard cor. of  
Tps. 15 S. R. 23. and 24 E.,  
marked,

S. C. T. 15 S. on N.,  
R. 24 E., S. 31 on E., and  
R. 23 E., S. 36. on W. faces,  
with 6 grooves on N., E.,



Resurvey of the Third Standard Parallel South,  
through Range 24 East, - Concluded.

Chains.

and W. faces; dig pits,  
30 x 24 x 12 ins., crosswise  
on each line, E. and W.,  
4 ft., and N. of post, 8 ft.  
dist. and raise a mound  
of earth, 5 ft. base, 2½  
ft. high, N. of cor.

I found faint traces  
of the old pits; also decayed  
stake, with marks obliterated  
lying on the ground.

Land, gently rolling.

Soil, sandy loam; 2<sup>nd</sup> rate.  
No timber.

December 27, 1895

Resurvey of the E. bdy. of T. 16 S. R. 24 E.  
Chains

November 14, 1895: I begin at closing cor. of Tps. 16 S. Rs. 24 and 25 E., which is a decayed stake, with marks obliterated; I reestablish this cor. in its original position, as follows:— Set a pine post, 3 ft. long, 4 ins. sq., with marked stone, 24 ins. in the ground for closing cor. of Tps. 16 S. Rs. 24 and 25 E., marked C.C., T. 16 S. on S., R. 25 E. S. 6 on E., and R. 24 E. S. 1 on W. faces, with 6 grooves on S., E. and W. faces, dig pits

Resurvey of the E. bdy. of  
Chains

30 x 24 x 12 ins., crosswise  
on each line, E. and W., 4 ft.,  
and S. of post, 8 ft.; and  
raise a mound of earth,  
5 ft. base, 2½ ft. high. S. of cor.  
At 8<sup>h</sup> 40<sup>m</sup>, a. m. l. m t.,  
I set off 32° 5' on the lat.  
arc, 18° 14' S on the decl. arc,  
and determine a true meridian  
with the solar, at the  
above described cor. Thence  
I run South on a  
random line, setting  
temp. ¼ sec. and sec.  
corners, & at 239.53 chs.  
I intersect cor. of secs.  
13, 18, 19 and 24, which I  
reestablished on November  
11, 1895, as heretofore described.

## T. 16 S. R. 24 E. - Continued

chains

at 479.53 chs., I find the cor. of Tps. 16 and 17 S. R. 24 and 25 E., which is a decayed stake in pit, with marks obliterated; I reestablish the same, in its original position as follows: Set a pine post, 3 ft. long, 4 ins. sq., with marked stone, 24 ins. in the ground, for cor. of Tps. 16 and 17 S. R. 24 and 25 E., marked T. 16 S., S. 31 on N. E., R. 25 E., S. 6 on S. E., T. 17 S., S. 1 on S. W., and R. 24 E., S. 36 on N. W. faces; with 6 notches on each

Resurvey of the E. bdy - of -  
 Chains  
 edge; dig pits, 24 X 24 X 12  
 ins, on each line, N, E,  
 and W, 4 ft, and S. of post,  
 8 ft. dist; and raise a  
 mound of earth, 5 ft.  
 base, 2½ ft. high, S. of cor.  
 November 14. 1895

Finding no original  
 corners, on the East.  
 boundary of T. 16 S. R. 24 E,  
 excepting cor. of secs.  
 13, 18, 19 and 24, which  
 I already reestablished  
 on November 11. 1895, therefore  
 I write to the Surveyor  
 General for authority  
 for the resurvey of said  
 boundary. — The Surveyor

## T. 16 S. R. 24 E. - Continued

chains

General by letter, dated December 3, 1895, authorizes me to make such resurvey.

December 23, 1895: At the cor. of Tps. 16 and 17 S. R. 24 and 25 E., as reestablished by me on November 14, 1895, at 8<sup>h</sup> 10<sup>m</sup>. a. m., l. m. t., I set off  $32^{\circ}00'$  on the lat. arc.  $23^{\circ}24'$  S. on the decl. arc, and determine a true meridian; thence I run North, bet secs. 31 and 36 Over level land

8.20 Trail, bears N. E. and S. W.

Resurvey of the E. ldy. of  
Chains

- 8.59 Trail, bears E. and W.
- 10.95 Road to Rockefeller's  
ranch and Wilcox bears  
N. N. W. and S. S. E.
- 11.75 Trail, bears E. and W.
- 11.83 Trail, bears N. Easterly and  
S. W. westerly
- 30.26 Trail, bears North Easterly  
and S. Westerly
- 36.54 Trail, bears North Easterly  
and S. Westerly
- 36.96 Trail, bears Easterly <sup>and</sup> Westerly
- 39.90 Trail, bears Easterly <sup>and</sup> Westerly
- 40.00 Set a pine post, 3 ft. long,  
4 ins. sq., with marked  
stone, 24 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  on W. face; dig pits  
18x18x12 ins., N. and S. of

## T. 16 S. R. 24 E. - Continued

Chains

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.  
No traces of old cor.

53.57 Trail, bears Easterly  $\frac{2}{3}$  of Westing

54.95 Trail, bears E. and W.

60.46 Trail, bears N. N. E and S. S. W.

69.94 Trail, bears N. E. and S. W.

80.00 Set a pine post, 3 ft.  
long, 4 ins. sq., with  
marked stone, 24 ins.,  
in the ground for cor.  
of secs. 25, 30, 31 and 36,  
marked,

T. 16 S., S. 30. on N. E.,  
R. 25 E., S. 31. on S. E.,  
S. 36., on S. W. and

R. 24 E., S. 25 on N. W. face,  
with 5 notches on N. and 1 notch on E. edges,  
dig pits  $18 \times 18 \times 12$  ins., in



Resurvey of the E. half of  
 Chains each sec,  $5\frac{1}{2}$  ft. dist. and  
 raise a mound of earth  
 4 feet, base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.

No traces of old cor.

Land level

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

No timber

North, bet. secs. 25 and 30

One level land

18.14 Trail, bears N. W. <sup>2nd</sup> S. E.

19.07 Trail, bears North Westerly and  
 South Easterly

27.40 Road from Dragoon  
 Summit to Sulphur  
 Spring Valley, bears  
 North Westerly <sup>2nd</sup> South Easterly

40.00 Set a pine post, 3 ft.

## T. 16 S. R. 24 E. - Continued

Chains

long, 4 ins sq. with  
 marked stone, 24 ins.  
 in the ground, for  $\frac{1}{4}$  sec.  
 cor., marked  $\frac{1}{4}$  S. and  
 W. face; dig pits 18x18x12  
 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.  
 No traces of old cor.

- 42.25 Trail, bears Easterly  $\frac{2}{3}$  of Westerly  
 46.74 Trail, bears Easterly  $\frac{2}{3}$  of Westerly  
 56.31 Trail, bears Easterly  $\frac{2}{3}$  of Westerly  
 57.90 Trail, bears Easterly  $\frac{2}{3}$  of Westerly  
 59.32 Trail, bears East and West  
 65.37 Trail, bears East and West  
 73.86 Trail, bears East and West  
 77.60 Trail, bears East and West  
 80.00 Set a pine post, 3 ft.

Resurvey of the E. hdy of  
Chains

long, 4 ins. sq, with  
marked stone, 24 ins.  
in the ground, for cor.  
of secs. 19, 24, 25 and 30,  
marked

T. 16 S. S. 19, on N.E.,  
R. 25 E. S. 30, on S.E.,  
S. 25 on S.W., and  
R. 24 E. S. 24 on N.W. faces.  
with 4 notches on N. and 2 notches on S. edges.  
Dig pits 18x18x12 ins., in  
each sec. 5½ ft. dist.  
and raise a mound  
of earth, 4 ft. base, 2 ft.  
high, W. of cor.

No traces of old cor.

Land level

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

No timber

## T. 16 S. R. 24 E. — Continued

chains

- North, bet. secs. 19 and 24  
Over level land
- 6.65 Trail, bears N.E. and S.W.
- 11.88 Trail, bears N.E. and S.W.
- 16.90 Trail, bears N.E. and S.W.
- 27.54 Trail, bears N.E. and S.W.
- 40.00 Set a pine post, 3 ft long, 4 ins. sq., with marked stone 24 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S. and W. face; dig pits 18x18x12 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.  
No traces of the old cor.
- 40.30 Road, to Rockfellow's ranch, bears N.E.  $\frac{2}{3}$  and S.W.

## Resurvey of the E. ldy. of

Chains

56.98 Trail, bears N.W.  $2\frac{1}{2}$  of S.E.62.18 Road from Rockfellow's  
ranch, bears N  $35\frac{1}{2}$  E  $2\frac{1}{2}$  of  $135\frac{1}{2}$  W.80.00 The cor. of secs. 13, 18, 19  $2\frac{1}{2}$  of 24,  
as heretofore described.

Land level

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

No timber

North bet. secs. 13 and 18

Over level land

3.95 Dry wash, 100 yds. wide, course W.

40.00 Set a pine post, 3 ft.  
long, 4 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.

## T. 16 S. R. 24 E. - Continued

Chains

of post, 3 ft. dist., and  
raise a mound of earth  
3½ ft. base, 1½ ft. high  
W. of cor.

No traces of old cor.

76.24 Old road bears  $N 35\frac{1}{2}^{\circ} E \frac{1}{2} \text{ mi}$

80.00 Set a pine post, 3 ft.  
long, 4 ins. sq., with  
marked stone, 24 ins.  
in the ground for cor.  
of secs. 7, 12, 13 and 18,  
marked

T. 16 S., S. 7 on N.E.,  
R. 25 E., S. 18 on S.E.,  
S. 13 on S.W., and  
R. 24 E., S. 12 on N.W. faces,  
with 2 notches on N., and  
4 notches on S. edges;  
dig pits 18x18x12 ins. in

Resurvey of the E. bdy of  
 Chains  
 each sec.,  $5\frac{1}{2}$  ft. dist,  
 and raise a mound of  
 earth 4 ft. base, 2 ft. high  
 W. of cor.  
 No traces of old cor.  
 Sand level  
 Soil, loam; 2<sup>nd</sup> rate  
 No timber

North, bet. sees. 7 and 12  
 Over level land

- 3.95 Trail, bears N.W. and S.E.  
 24.49 Trail, bears E. and W.  
 31.82 Trail, bears E. and W.  
 40.00 Set a pine post 3 ft.  
 long 4 ins. sq. with  
 marked stone 24 in. in the ground  
 for 4<sup>th</sup> sec. cor.  
 marked  $\frac{1}{4}$  S. on W.  
 face; dig pits 18x18x12  
 ins., N. and S. of post,

## T. 16 S. R. 24 E. - Continued

Trains

- 3 ft. dist; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. No traces of the old cor.
- 45.31 Road, bears Easterly <sup>2</sup>/<sub>3</sub> Westerly
- 59.00 Enter alkali flat, bears Easterly and N. Westerly
- 67.00 Leave alkali flat, bears N. E. and S. W.
- 69.00 Reenter alkali flat, bears E. and W.
- 80.00 Set a pine post, 3 ft. long, 4 ins. sq. with marked stone, 24 ins. in the ground, for cor. of sec's. 1, 6, 7 and 12, marked  
T. 16 S. S. 6. on N. E.  
R. 25 E. S. 7. on S. E.



Resurvey of the E. bdy. of  
Chains

S. 12 on S. W. and  
R. 24 E. S. 1 on N. W. faces;  
with 1 notch on N. and  
5 notches on S. edges;  
dig pits 18x18x12 ins.  
in each sec. 5½ ft. dist,  
and raise a mound  
of earth 4 ft. base, 2 ft.  
high, N. of cor.

No traces of old cor.

Land level

Soil, clay and alkali; 4<sup>th</sup> rate

No timber

North, bet. secs. 1 and 6.

Over level land

40.00 Set a pine post, 3 ft.  
long, 4 ins. sq, with  
marked stone, 24 ins.

## T. 16 S. R. 24 E. - Concluded

Chains

ground pin

in the <sup>ground pin</sup> for  $\frac{1}{4}$  sec. cor.,  
 marked  $\frac{1}{4}$  on W. face;  
 dig pits  $18 \times 18 \times 12$  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.

No signs of old cor.

79.53 The closing cor. of Tps.  
 16 S. R's 24 and 25 E,  
 which I established on  
 November 14. 1895 and as  
 heretofore described;  
 26.40 chs. W. of standard  
 cor. of Tps. 15 S. R's. 24 <sup>2</sup>/<sub>4</sub> 25 E.

Land level

Soil, clay <sup>2</sup>/<sub>4</sub> alkali; 4<sup>th</sup> rate

No timber

December 23. 1895

# Subdivision of

Chains

I begin at cor. of sec's.  
13, 14, 23 and 24, as here-  
before described.

Lat  $32^{\circ} 3' N$ .

Long.  $109^{\circ} 53' W$ .

In order to test the  
solar apparatus, by  
comparing the results  
of observations on the  
sun, made during  
a. m. and p. m. hours,  
with a true meridian  
determined by observations  
on Polaris, I proceed  
as follows:

At 3<sup>h</sup> 10<sup>m</sup>

p. m. l. m. t., I set  
off  $32^{\circ} 3'$  on the lat.  
arc,  $20^{\circ} 40'$  S on the decl.

T. 16 S. R. 24 E. —

Chains

are, and mark the true meridian thus determined with the solar, by a cross on a stone, firmly set in the ground, 5 chs. N. of the instrument.

January 17, 1896

January 17, 1896. : At 11<sup>h</sup> 25<sup>m</sup> p.m. l.m.t., I observe Polaris at western elongation, in accordance with instructions in the manual and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5 chs. N. of my station.

January 18, 1896

## Subdivision of

Chains

At 6<sup>h</sup> 50<sup>m</sup> <sup>a.m.</sup> l.m.t., I lay off the azimuth  $1^{\circ} 28'$  to the east, and mark the true meridian thus determined, by cutting a small groove in the stone set yesterday, on which the true meridian falls .0.13 ins. west of the mark determined by the solar

At 9<sup>h</sup> 20<sup>m</sup> a.m. l.m.t., I set off  $32^{\circ} 3'$  on the lat. arc,  $20^{\circ} 31'$  S. on the decl. arc, and mark the true meridian determined with the solar, by a cross on the stone already set 5chs.

T. 16 N. R. 24 E. Continued

Chains

N. of my station; this mark falls 0.2 ins. west of the true meridian established by the Polaris observation. The solar apparatus, by p. m. and a. m. observations, defines positions for true meridians, respectively about 0' 8" east, and 0' 11" west of the meridian established by the Polaris observation; therefore, I conclude that the adjustments are satisfactory. The magnetic bearing of the true meridian at 9<sup>h</sup> 25<sup>m</sup> a. m., l. m. t., is  $N 12^{\circ} 31' W$ ; the

Subdivision of  
Chains angle thus determined,  
reduced by the table,  
page 100, gives the mean  
mag. decl.  $12^{\circ} 28'$  East.

From the sec. cor. already  
described, I run  
 $S 0^{\circ} 1' E$ , bet. secs. 23<sup>rd</sup> & 24<sup>th</sup>  
Over level land

- 9.55 Trail, bears N.E. and S.W.  
19.13 Trail, bears N.W. and S.E.  
22.78 Trail, bears N.W. and S.E.  
27.17 Trail, bears N.W. and S.E.  
40.00 Set a pine post, 3 ft.  
long, 4 ins. sq, 3 ft. long,  
24 ins., in the ground  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  S. on W. face; dig  
pits  $18 \times 18 \times 12$  ins., N. and S.

## T. 16 S. R. 24 E. - Continued

chains

of post, 3 ft. dist.; and  
raise a mound of earth  
3½ ft. base, 1½ ft. high,  
W. of cor.

- 44.12 Trail, bears N.W. and S.E.  
50.00 Descend, bears N.W. and S.E.  
51.77 Trail, bears N.W. and S.E.  
53.62 Trail, bears N.W. and S.E.  
55.90 Bottom, bears N.W. and S.E.  
64.00 Trail, bears N.W. and S.E.  
66.18 Road from Wilcox to  
Rockfellow's ranch and  
Sulphur Spring Valley  
bears N.W. and S.E.  
69.75 Trail, bears N.W. and S.E.  
76.79 Trail, bears N.W. and S.E.  
77.68 Trail, bears N.W. and S.E.  
80.00 Set a pine post, 3 ft.  
long, 4 ins. sq, with



Subdivision of  
Chains

marked stone, 24 ins.  
in the ground for cor.  
of secs. 23, 24, 25 and 26,  
marked

S. 16 S. S. 24 on N.E.,  
R. 24 E., S. 25 on S.E.,  
S. 26 on S.W., and  
S. 23 on N.W. faces,  
with 2 notches on S,  
and 1 notch on E. edges;  
dig pits 18x18x12 ins.  
in each sec., 5½ ft.  
dist. and raise a  
mound of earth 4 ft.  
base, 2 ft. high, W. of cor.  
Sand, level  
Soil, loam, 2<sup>nd</sup> rate  
No timber

## T. 16 S. R. 24 E. - Continued

Chains

$S 89^{\circ} 50' E$ , on a random  
line, bet. secs. 24 and 25

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

80.08 Intersect E. bdy. of Twp, at  
cor. of secs. 19, 24, 25 and 30

Thence, I run

$N 89^{\circ} 50' W$ , on a true line  
bet. secs. 24 and 25

Over level land

8.28 Trail, bears  $N 87^{\circ} W$  and  $S 87^{\circ} E$ .

11.56 Trail, bears N. W. and S. E.

14.60 Trail, bears N. W. and S. E.

16.16 Trail, bears E. and W.

20.17 Trail, bears  $N 88^{\circ} E$  and  $S 88^{\circ} W$ .

26.30 Trail, bears N. E. and S. W.

31.89 Road, bears N. E. and S. W.

36.95 Trail, bears N. E. and S. W.

39.68 Trail, bears N. E. and S. W.

40.04 Set a pine post, 3 ft.

- Subdivisions of  
Chains
- long, 4 ins. sq., with marked  
stone 24 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  S. on N. face; dig  
pits 18 x 18 x 12 ins. E. and  
W. of post, 3 ft. dist.,  
and raise a mound  
of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$   
ft. high, N. of cor.
- 42.60 Old road, bears N.E. <sup>2</sup>/<sub>3</sub> of S.W.
- 43.50 Trail, bears N.E. and S.W.
- 45.76 Road, bears N.E. and S.W.
- 46.22 Trail, bears N. and S.
- 48.02 Trail, bears N. and S.
- 51.85 Trail, bears N. and S.
- 53.85 Trail, bears N. and S.
- 54.65 Trail, bears N. and S.
- 56.35 Trail, bears N.W. and S.E.
- 57.30 Trail, bears N.N.W. and S.S.E.

## T. 16 S. R. 24 E. - Continued

Chains

- 58.32 Trail, bears N.N.W.  $\frac{3}{4}$  of S.S.E.
- 67.65 Trail, bears N.N.W. and S.S.E.
- 68.50 Road, from Wilcox, to  
Rockfellow's ranch and  
Sulphur Spring valley  
bears N.W. and S.E.
- 71.10 Trail, bears N.W. and S.E.
- 80.00 Trail, bears N.N.W. and S.S.E.
- 80.08 The cor. of secs. 23, 24, 25  $\frac{3}{4}$  of 26  
Sand, level  
Soil, loam, 2<sup>nd</sup> rate  
No timber

S. 1<sup>st</sup> E., bet. secs. 25 and 26

Over level and gently rolling land

- 5.00 Trail, bears Easterly  $\frac{3}{4}$  of Westerly
- 8.34 Trail, bears Easterly  $\frac{3}{4}$  of Westerly
- 10.94 Trail, bears Easterly and Westerly
- 17.18 Trail, bears East and West
- 22.28 Trail, bears E. and W.

## Subdivision of

Chains

22.40

Road from Dragoons  
Summit to Rockfellow's  
ranch and Sulphur-  
Spring Valley bears  
Easterly and Westerly

24.88

Trail bears Easterly and  
Westerly

27.61

Trail bears N. Easterly and S. Westerly

30.35

Trail, bears N. Easterly and S. Westerly

33.27

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

34.42

Wind Mill, bears  $N 57\frac{1}{4}^{\circ} E$ .

Wind Mill, bears  $N 61^{\circ} 40' E$ .

S.E. cor. of frame bldg. and  
N.W. cor. of adobe bldg. bears  
 $N 66\frac{1}{2}^{\circ} E$ .

Barn, bears  $N 68\frac{1}{2}^{\circ} E$ .

37.26

Old road, leading to  
Rockfellow's ranch, bears  
N. Easterly and S. Westerly.

37.71

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

## T. 16 S. R. 24 E. - Continued

Chains  
40.00

Set a pine post, 3 ft. long, 4 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 of earth, 4 ft. base, 2 ft. high, W. of cor.

57.03 Trail, bears N.E. and S.W.

58.46 Trail, bears N.E. and S.W.

59.94 Trail, bears N.E. and S.W.

64.84 Trail, bears N.E. and S.W.

80.00 Set a pine post, 3 ft. long, 4 ins. sq., with marked stone, 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, marked

# Subdivision of

Chains

T. 16 S. S. 25 on N.E.

R. 24 E. S. 36 on S.E.

S. 35 on S.W. and

S. 26 on N.W. faces.  
with 1 notch on S & E edges.  
dig pits 18 x 18 x 12 ins.

in each sec, 5 1/2 ft. dist.

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

Wind Mill, bears N 25° E

Wind Mill, bears N 27° 40' E.

S.E. cor. of frame bldg.

and N.W. cor. of a dove  
bldg. bears N 30° E.

Barn, bears N 31 1/2° E.

Land, level and gently rolling

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

No timber

## T. 16 S. R. 24 E. - Continued

chains

$S 89^{\circ} 50' E$  on a random  
line, bet. sees. 25 and 36

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

80.12 Intersect E. ldy. of Sp.  
5 lks. S. of cor. of sees.  
25, 30, 31 and 36

Thence, I run

$N 89^{\circ} 52' W$ , on a true line,  
bet. sees. 25 and 36

Over level and gently rolling land

22.96 Road, to Rockefeller's  
ranch, bears N. W. and S. E.

40.06 Set a pine post, 3 ft.  
long, 4 ins. sq., with  
marked stone 24 ins.  
in the ground for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4} S$ .  
on N. face; dig pits  
18 x 18 x 12 ins., E. and W. of



Subdivision of  
 Chains post, 3 ft. dist.; and  
 raise a mound of earth  
 3½ ft. base, 1½ ft. high,  
 N. of cor.

45.46 Trail, bears N. and S.

48.42 Trail, bears N. and S.

56.44 Trail, bears N. and S.

56.98 Trail, bears N. and S.

80.12 The cor. of secs. 25, 26, 35<sup>3</sup> & 36

Land, level and gently rolling  
 Soil, sandy loam, 2<sup>nd</sup> rate  
 No timber; some scattering  
 mesquite undergrowth

S 0° 1' E, on a random line  
 bet. secs. 35 and 36

40.00 Set temp. ¼ sec. cor.

80.02 Intersect S. bdy. of Tps.  
 3 lks. E. of cor. of secs.

## T. 16 S. R. 24 E. - Continued

Chains

1, 2, 35 and 36.

Thence I run

North <sup>on a true line</sup> bet. secs. 35 and 36

Over level and gently rolling land

2.02 Trail, bears N.E. and S.W.

27.12 Trail, bears N.E. and S.W.

40.02 Set a pine post, 3 ft.  
long, 4 ins. sq., with marked  
stone, 24 ins. in the ground,for  $\frac{1}{4}$  sec. cor., marked  
dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist.  
 $\frac{1}{4}$  S. on W. face, and raise  
a mound of earth,  $3\frac{1}{2}$  ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.

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

44.04 Trail, bears N.N.E. and S.S.W.

80.02 The cor. of secs. 25, 26, 35 and 36

Land, level and gently rolling.  
Soil, sandy loam; 2<sup>nd</sup> rate  
No timber.

# Subdivision of

Chains

From cor. of secs. 13, 14,  
23 and 24, as heretofore described,

I run

No. 1' W. bet. secs. 13 and 14

Over level land

- |       |   |
|-------|---|
| 3.04  | Trail, bears N.W. and S.E.  |
| 13.78 | Trail, bears E. and W.  |
| 17.98 | Trail, bears E. and W.  |
| 19.95 | Trail, bears N.W. and S.E.  |
| 25.93 | Trail, bears N.E. and S.W.  |
| 31.47 | Trail, bears E. and W.  |
| 32.53 | Trail, bears N. Easterly $\frac{3}{4}$ W. Westerly  |
| 34.81 | Trail, bears N. Easterly $\frac{3}{4}$ S. Westerly  |
| 35.45 | Trail, bears N.E. and S.W.  |
| 39.45 | Trail, bears N.E. and S.W.  |
| 40.00 | Set a pine post, 3 ft. long,<br>4 ins. sq. with marked<br>stone, 24 ins. in the ground<br>for $\frac{1}{4}$ sec. cor., marked |

## T. 16 S. R. 24 E. - Continued

chains

dig pits 18x18x12 ins. N &amp; S of post 3 ft. dist.

1/4 S. on W. face; and  
raise a mound of earth  
3 1/2 ft. base, 1 1/2 ft. high  
W. of cor.

- 47.03 Trail, bears N.E. and S.W.  
49.41 Trail, bears N.E. and S.W.  
50.16 Trail, bears N.E. and S.W.  
53.00 Trail, bears N.E. and S.W.  
62.02 Trail, bears N.E. and S.W.  
75.85 Trail, bears N.W. and S.E.  
80.00 Set a pine post, 3 ft.  
long, 4 ins. sq. with  
marked stone, 24 ins.  
in the ground for cor.  
of secs. 11, 12, 13 and 14,  
marked

T. 16 S. S. 12 on N.E.,  
R. 24 E. S. 13 on S.E.,  
S. 14 on S.W., and

Subdivision of T. 16 S. R. 24 E. - Continued

Chains

S. 11 on N. W. faces; with  
 4 notches on S. and 1 notch  
 on E. edges; dig pits  
 18 x 18 x 12 ins. in each  
 sec., 5 1/2 ft. dist. and raise  
 a mound of earth 4 ft.  
 base 2 ft. high, W. of cor.  
 Land level  
 Soil, loam; 2<sup>nd</sup> rate  
 No timber

S 89° 50' E, on a random  
 line, bet. secs. 12 and 13  
 40.00 Set temp. 1/4 sec. cor.  
 80.02 Intersect the E. ldy of 5 p.  
 5 lks. N. of cor. of secs.  
 7, 12, 13 and 18.  
 Thence I run  
 N 89° 48' W. on a true line

Continued, Book 856.  
Concluded, Book 865