

VOL. 1

Subdivisions

Vo. 420

420

4-671

BOOK 420

FIELD NOTES

— GENERAL LAND OFFICE. —

T. 22 N. R. 6 E.

Contract No 70.

Mr. O. S. Spear

Survey accepted by Commr's  
letter Feb'y 26/96

## Field Notes

of the survey of the subdivisional  
line of Tp. 22 N. of R. 6 E. of the  
Principal Base & Meridian in  
Arizona.

as surveyed by Washington O. Secor,  
U. S. Deputy Surveyor,  
under his contract No. 10 dated  
June 18, 1889.

Survey commenced Aug. 12, 1889.

Survey completed Aug. 26, 1889.

Names & duties of assistants.

Washington O. Secor,	Compassman
L. A. Chapman,	Chairman.
P. S. Bishop	Chairman.
Emmet Baird	Flagman.
J. W. Donnelly	Axman

No. 420.

(4-674.)

Township

22 N R. 6 E.

*Sudley*

BOOK

420

*and*

BOOK

419

6	70	5	54	4	42	3	30	2	17	1
69		68		53		41		29		16
7	67	8	52	9	40	10	28	11	15	12
66		65		51		39		26		13
18	64	17	50	16	38	15	25	14	12	13
63		62		49		37		23		11
19	61	20	48	21	36	22	22	23	10	24
60		59		47		35		21		9
30	58	29	46	28	34	27	20	26	8	25
57		56		45		33		19		6
31	55	32	43	33	31	34	18	35	5	36

On the night of Aug. 11, 1889, I took an observation on the star Polaris for the purpose of determining the true meridian <sup>and</sup> the magnetic declination.

I found the magnetic declination to be  $15^{\circ}15'$  E.

Before commencing this survey I ran N. on the E. boundary of sec. 36, <sup>and</sup> at 39.98 chs. I found the  $\frac{1}{4}$  sec. cor. <sup>and</sup> at 79.96 the cor. to secs. 25, 30, 31 & 36 bore E. 8 lbs. I then ran N. on the S. boundary of sec. 36 but could find no  $\frac{1}{4}$  sec. cor. continuing <sup>and</sup> at 80.09 chs. I find the cor. to secs. 35, 36, 1 & 2, which is a pine stake 3 ins. square <sup>and</sup> about 18 ins. long lying on a mound of earth, evidently having rotted off. It was properly marked, as were also 3 bearing trees - the fourth had been cut down.

From cor. to secs. 35, 36. 1<sup>st</sup> & 2 on the S. boundary  
of Sp. 22 N. of R. 6, E. line in before described Town  
N. between secs. 35<sup>nd</sup> & 36.

$\gamma a. 15^{\circ} 15' E.$

Ascending through pine timber

- 5,90 Top of high divide bearing N.E. + S.W. descend.
- 30,00 Top of rocky bluff, base E + W. continue to descend.
- 32,00 Foot of bluff, continue to descend.
- 40,00 Set a stone 16x14x4 ins. in mid. of stone for  
1/4 sec. cor. marked '4 on W. face.
- 40,25 Ravine, course N.W.
- 55,00 Top of hill, descend more abruptly.
- 56,12 Pine 16 ins. diam. on line.
- 76,00 Leave timber, enter open valley.
- 80,00 Set stone 14x12x5 ins, 9 ins. in ground for cor.  
to secs. 25, 26, 35<sup>nd</sup> & 36, marked with notch on  
S. + 1 on E. edges raised and stone alongside.
- Land rough mountainous, soil 4<sup>th</sup> rate  
grass very good, timber pine.

E. on a random line between secs. 25+36

Ya.  $15^{\circ} 15' E$ ,

ascending.

- 1.92 Pine 36 ins. diam. on line enter timber.
- 7.07 Top of ridge, bears N+S, descend.
- 8.52 Bottom of ravine, course N.W. ascend.
- 10.92 Top of rocky ridge, bears N.W+S.E.
- 13.02 Begin to descend.
- 15.75 Ravine, course N.  $10^{\circ} W$ . ascend.
- 22.92 Top of hill, bears N.  $15^{\circ} W$ . + S.  $15^{\circ} E$ , descend.
- 35.52 Foot of hill
- 39.72 Ravine, course S,  $10^{\circ} E$ .
- 39.83 Road to Grand Cañon, bears N.W. + S.E.
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor. ascend.
- 43.92 Enter timber.
- 60.66 Pine 26 ins. diam. on line
- 79.92 Intersect E. boundary of Sp. 14 lks. S. of cor. to secs. 25. 30. 31 + 36, which is an igneous stone  $17 \times 10 \times 5$  ins. in a med. of stone.

properly marked with 3 bearing trees also properly marked. Thence I run in timber S.  $89^{\circ}54'$  W. on a true line with same Va. C.

9.96 Set stone 18.12 x 4 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound of stone alongside.

9.92 The cor. to secs. 25, 26, 35 + 36.

Land rough on mountains, soil 4<sup>th</sup> rate, good grass, and pine timber.



N. between secs. 25 + 26

Va. 15° 15' E.

- 7.67 Road brass E + W.
- 40.00 Set stone 15x12x12 ins. 10 ins. in ground  
for 1/4 sec. cor. marked 1/4 on W. face <sup>and</sup>  
raised a md. of stone alongside
- 42.06 Road to Arizona Cattle Co's. ranch,  
brass S.E. + N.W.
- 80.00 Set stone 16x12x4 ins. 11 ins. in ground  
for cor. to secs. 23, 24, 25 + 26, marked  
with 2 notches on S. + 1 notch on E. edges  
<sup>and</sup> raised a md. of stone alongside.  
Land nearly level, soil 2<sup>nd</sup> rate.

August 12, 1889

E. on a random line between secs. 24 & 25.  
 Va.  $15^{\circ} 15' E$ .

- 7.52 Enter timber
- 7.52 Ravine course  $S. 30^{\circ} W$ .
- 9.87 Ravine course  $S. W$ .
- 10.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 11.42 Ravine course  $S. 10^{\circ} W$ .
- 80.02 Intersect E. boundary of Sp. 21 tks. S. of cor. to  
 secs. 19, 24, 25 & 30 which is a stone  $15 \times 10 \times 4$   
 ins. in mid. of stone, properly marked with 3  
 tics also properly marked. Thence I run  
 $S. 89^{\circ} 51' W$ . on a true line with same Va.
- 40.01 Set stone  $19 \times 10 \times 6$  ins. in mid. of stone, ground  
 too rocky to admit the same, for  $\frac{1}{4}$  sec. cor.  
 marked  $\frac{1}{4}$  on N. face.
- 80.02 Cor. to secs. 23, 24, 25 & 26  
 Land rolling, soil rocky, 4<sup>th</sup> rate timber pine

N. between secs. 23 & 24

7a. 15° 15' E.

3.50 Enter timber

140.00 Set stone 16x14x4 ins. in mid. of stone  
for 1/4 sec. cor. marked 1/4 on W. face.

52.04 Pine 30 ins. diam. on line.

80.00 Set stone 16x12x6 ins. in mid. of stone  
for cor. to secs. 13, 14, 23 & 24, marked with  
3 notches on S. <sup>2</sup>4 | notch on E. edge.  
Land level, soil rocky, 4<sup>th</sup> rate.  
Timber pine.

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E. on a random line between secs. 13 & 24.

Va.  $15^{\circ} 15' E.$

10.00 Set temporary  $\frac{1}{4}$  sec. cor.

17.18 Re-amine course South.

00.28 " " S.  $75^{\circ} W.$

80.08 Intersect E. boundary of  $\frac{1}{4}$  of 1/2 sec. S. of cor. to  
secs. 13, 18, 19 & 24, which is a stone  $18 \times 10 \times 4$  ins.  
in mid. of stone, properly marked with 3 lines  
also properly marked. Thence I run  
S.  $89^{\circ} 57' W.$  on a true line with same Va.

10.04 Set stone  $19 \times 12 \times 4$  ins. in mid. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.

80.08 Cor. to secs. 13, 14, 23 & 24.

Land rolling, soil rocky  $\frac{1}{4}$  <sup>th</sup> rate.

Pine timber <sup>and</sup> good grass.

N. between secs. 13 & 14.

Va.  $15^{\circ} 15' E.$

- 17.10 Pine 24 ins. diam. on line  
 25.00 Leave timber, enter neck of valley.  
 38.00 Begin to ascend steep rocky hill, enter timber.  
 40.00 Top of hill, set stone 24x24x18 ins. in mid. of  
 stone for  $\frac{1}{4}$  ac. cor. marked  $\frac{1}{4}$  on W. face, descend.  
 42.20 Ravine, course S.W. ascend very steep hill  
 over high boulders.  
 79.00 Top of hill  
 80.00 Set stone 28x15x6 ins. in mid. of stone for cor. to  
 secs. 11, 12, 13 & 14 marked with 4 notches on S. <sup>and</sup> 1  
 notch on E. edges.

Land for first  $\frac{1}{2}$  mile level, second half  
 is very rough & mountainous, soil very rocky  
 with <sup>at</sup> rate, except from 25 chs. to 38 chs. which  
 is good farming land. Timber fine.

August 13, 1889.

E. on a random line between secs. 12 + 13.

Va.  $15^{\circ} 15'$  E.

- 17.46 Top of bluff  
 19.46 Foot of "  
 19.96 Bottom of cañon, course S.  $10^{\circ}$  W.  
 23.46 Foot of bluff  
 23.96 Top " " bearing N + S.  
 40.00 Set temporary  $\frac{1}{4}$  sec. cor.  
 40.96 Top of bluff  
 41.96 Foot " "  
 42.96 Bottom of cañon, course S. W.  
 46.96 Foot of bluff  
 47.96 Top " " bearing N. E. + S. W.  
 79.96 Intersect E. boundary of Sp. 16 lks. N. of cor. to secs.  
 7.12.13 + 18 which is a stone  $20 \times 10 \times 5$  ins in mid. of  
 stone, properly marked with 3 trees also  
 properly marked. Thence 3 run  
 N.  $89^{\circ} 53'$  W. on a true line with same Va.  
 39.98 Set stone  $24 \times 12 \times 6$  ins in mound of stone for

12 14

1/4 sec. cor. marked 1/4 on N. face.

79.96

Cor. to secs. 11, 12, 13 & 14.

17.

Land very rough mountainous, soil

25.

rocky, 14<sup>th</sup> rate, timber pine & some aspen

38.

in the cañons, good grass,

40.

42

7

80

N. between secs. 11 + 12.

7a. 15° 15' E.

- 14.14 Pine 12 ins. diam. on line.
- 18.00 Begin to descend.
- 20.25 Ravine course W. ascend through pine, spruce & aspen over big boulders.
- 40.00 Set stone 15x15x6 ins. in mid. of stone for 1/4 sec. cor. marked 1/4 on W. face.
- 45.00 Top of hill, descend leave spruce & aspen.
- 46.50 Ravine course W. ascend.
- 49.50 Top of hill descend.
- 80.00 Set stone 16x14x6 ins. in mid. of stone for cor. to secs. 1, 2, 11 + 12 marked with 5 notches on S. + 1 notch on E. edges.
- Land: rough mountainous, soil 4<sup>th</sup> rate, timber pine, spruce & aspen with some good grass.



E. on a random line between secs. 1 & 12

$\gamma a, 15^{\circ} 15' E.$

1.16 Ravine course S.  $15^{\circ} W.$

33.26 " " S.  $W.$

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

53.31 Ravine course S.

65.66 " " S.  $35^{\circ} W.$

80.16 Intersect E. boundary of Sp. 23 lks. S. of cor. to secs. 1.6.7 & 12 which is a stone  $18 \times 10 \times 5$  ins. in mid. of stone, properly marked with 3 trees also properly marked.

Thence I run

S.  $89^{\circ} 50' W.$  on true line with same  $\gamma a.$

40.08 Set stone  $14 \times 12 \times 8$  ins. in mid. of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.

80.16 Cor. to secs. 1.2.11. & 12.

Land rough mountainous, soil rocky  
4<sup>th</sup> rate timber pine sapin, some grass.

N. on a random line between secs. 1 + 2.

Ya,  $15^{\circ} 15' E$ .

- 0.36 Pine 30 ins. diam. on line, ascend.  
 40.00 Set temporary  $\frac{1}{4}$  sec. cor.  
 44.25 Top of rocky bluff, bears N, E + S, W,  
 descend through pine spruce + aspen.  
 65.25 Foot of bluff.  
 80.25 Intersect N. boundary of Sp. 30, lko. W. of cor. to sec.  
 12, 35 + 36, which is a stone  $15 \times 9 \times 6$  ins. in mid. of stone,  
 properly marked, Thence I run  
 $S. 0^{\circ} 13' W.$  on true line with same Ya.  
 40.25 Set stone  $18 \times 16 \times 4$  ins. in mid. of stone for  $\frac{1}{4}$   
 sec. cor. marked  $\frac{1}{4}$  on W. face.  
 80.25 Cor. to secs. 1, 2, 11 + 12.

Land rough + mountainous, soil 4<sup>th</sup> rate.  
 timber pine, spruce + aspen <sup>and</sup> some grass.

August 14, 1889.

From the cor. to secs. 2, 3, 34 & 35 on the S. boundary  
 which is a pine stake 2 1/2 ins. square & 3 ft. long  
 in a rnd. of stone, properly marked & with  
 bearings also properly marked I run  
 N. between secs. 34 & 35.

Var. 15° 15' E.

Descending N. slope of mountain  
 through pine <sup>and</sup> aspen timber.

25.25 Ravine course N. E.

32.15 " " S. 85° E

40.00 Set stone 20 x 10 x 6 ins. in rnd. of stone  
 for 1/4 sec. cor. marked 1/4 on W. face.

57.10 Ravine course N. 30° E.

77.00 " " N. 25° E.

80.00 Set stone 24 x 15 x 5 ins. in rnd. of stone for cor. to  
 secs. 26, 27, 34 & 35, marked with 1 notch on the  
 S. <sup>and</sup> 2 notches on E. edges.

Land rough <sup>and</sup> mountainous, soil 4<sup>th</sup>  
 rate, timber pine <sup>and</sup> aspen.

E. on a random line between secs. 26 + 35  
 Ya.  $15^{\circ} 15'$  E.

- 1.92 Ravine course N.E.  
 34.42 " " N.  
 37.92 Top of hill  
 40.00 Set temporary  $\frac{1}{4}$  sec. cor. descend.  
 53.92 Ravine course S.E. ascend.  
 60.42 Top of hill, descend.  
 68.92 Bears timber  
 70.92 Foot of hill bears N+S.  
 77.32 Road bears N+S.  
 79.92 Intersect N+S. line of lks. S. of cor. to secs.  
 25. 26. 35 + 36. Thence 3 m  
 S.  $89^{\circ} 56'$  W. on true line, same Ya.  
 39.96 Set stone  $16 \times 12 \times 4$  m. in mid. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.  
 79.92 Cor. to secs. 26. 27. 34 + 35  
 Land rough & broken, soil rocky 4<sup>th</sup> rate.  
 Timber pine, some good grass.

N. between secs. 26 & 27.

7a. 15° 15' E.

Descending.

- 17.1 3.00 Leaves timber cuts wide open valley.
25. 5.00 Foot of hill.
38. 8.60 Road bears E & W.
40. 32.00 " " NE, & SW.
- 40.50 Set stone 15x10x5 ins. 10 ins. in ground for 1/4  
 42 sec. cor. marked 4 on W. face, raised a mound  
 of stone alongside.
- 80.00 Set stone 12x10x10 ins. 8 ins. in ground  
 8 for cor. to secs. 22, 23, 26 & 27, marked  
 with 2 notches on S. & 2 notches on E.  
 edges raised a mound of stone alongside.  
 Land level, soil 2<sup>nd</sup> rate, timber  
 pine, very good grass.

E. on random line between secs. 23 + 26.

Ya.  $15^{\circ} 15' E$ ,

- 22.44 Road bears N.E. + S.W.
- 30.69 " " N.W. + S.E.
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 51.09 Road bears N.E. + S.W.
- 78.74 Grand Cañon road bears  $N 20^{\circ} W + S 20^{\circ} E$ .
- 79.94 Cor. to secs. 24, 23, 26 + 25. Thence I run  
W. on a true line, same Ya.
- 39.97 Set stone  $16 \times 10 \times 8$  ins. 11 ins. in ground for  $\frac{1}{4}$   
sec. cor. marked  $\frac{1}{4}$  on N. face. <sup>and</sup> raised a  
row of stones alongside
- 79.94 Cor. to secs. 22, 23, 26 + 27  
Land level, soil 2<sup>nd</sup> rate, good grass.

August 15, 1889.

N. between secs. 22 + 23,

Var.  $15^{\circ} 15' E$ ,

- 7.00 Enter timber 11.
- 40.00 Set stone 30x18x15 ins. in md. of stone for 17  
 1/4 sec. cor. marked 1/4 on W. face. 15
- 47.33 Pine 30 ins diam. on line. 2
- 60.10 Grand Cañon road, bears N.W. + S.E. 7
- 78.67 Pine 40 ins. diam. on line. 3
- 80.00 Set stone 15x12x10 ins. in md. of stone for 3  
 cor. to secs. 14, 15, 22 + 23 marked with 4  
 3 notches on S + 2 notches on E. edge. 4  
 Sand level rocky soil 4<sup>th</sup> rate 4  
 Pine timber + good grass. 5
- 
- 8

E. on a random line between secs. 14 + 23,

$\gamma a. 15^{\circ} 15' E.$

9.5 Pine 15 ins. diam. on line.

1.57 Ravine course S.

8.57 Foot of bluff

0.07 Top " "

7.07 Ravine course S.E., ascend.

0.07 Foot of rocky ridge bears N.W. + S.E.

6.07 Top " " " " "

0.00 Set temporary  $\frac{1}{4}$  sec. cor.

7.07 Leave timber

9.07 Road to Hall's ranch bears  $N 10^{\circ} E + S 10^{\circ} W.$

3.07 Enter timber

0.07 Intersect N + S. line 5 lks. S. of cor. to secs. 13,

14, 23, + 24 Thence I run

S.  $89^{\circ} 58' W.$  on a true line, same  $\gamma a.$

0.04 Set stone  $18 \times 18 \times 8$  ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.

0.07 Cor. to secs. 14, 15, 22 + 23.



12

Land partly level partly rough  
and mountainous, soil rocky, 4th  
rate, timber, pine.

17.10

25.0

38.0

40.0

42

8

N. between secs. 14 & 15

Va.  $15^{\circ} 15' E.$

- 8.50 Foot of steep rocky hill, bears N.W. + S.E.,  
 20.00 Top " " " "  
 40.00 Set stone 15x12x4 ins. in mid. of stone for  
 '1/4 sec. cor. marked '1/4 on W. face.  
 46.50 Head of ravine, course W.  
 48.00 Top of rocky ridge bears N.E. + S.W. descend.  
 52.50 Ravine course S.W., ascend.  
 54.00 Top of ridge bears N.W. + S.E., descend.  
 60.00 Ravine from N.  $20^{\circ} W.$  to S.  $7^{\circ} E.$  ascend.  
 65.10 Top of rocky bluff, continue to ascend.  
 69.35 Ravine from N. to S.  $75^{\circ} W.$   
 80.00 Top of rocky ridge, boulders in place, 5x5x5  
 ft. for cor. to secs. 10, 11, 14 + 15, marked  
 with a + on top + with 4 on S + 2 on E. edges.  
 Land rough + mountainous, soil 4<sup>th</sup> rate.  
 Timber, pine.

August 16, 1889.

E. on a random line between secs. 11 + 14.

$\gamma a. 15^{\circ} 15' E.$

- 0.50 Centre of ravine, course S.
- 11.36 Deep " " N.W.
- 14.16 Foot of bluff
- 15.16 Top " " bears N.W. + S.E.
- 17.16 " " hill
- 22.16 " " bluff of cañon bears N.W. + S.E.
- 24.16 Foot " " "
- 25.16 Bottom of cañon from S. at 2 chs. turn N.W.
- 26.66 Foot of bluff
- 27.66 Top " " bears S + N.E.
- 40.00 Top of hill, set temporary  $\frac{1}{4}$  sec. cor.
- 49.36 Top of bluff bears N + S.
- 50.06 Foot " "
- 50.32 Deep ravine to S.  $10^{\circ} E.$
- 53.16 Foot of bluff
- 54.16 Top " " bears N.  $10^{\circ} E.$  & S.  $10^{\circ} W.$  turns  
N.  $65^{\circ} E.$  at 8 chs. N.

- .16 Intersect N+S. line 14 lks. N. of cor. to secs.  
11, 12, 13 + 14. Thence 9 run  
N.  $89^{\circ} 54' W$ , with same Pa. on true line.
- .08 Set stone  $21 \times 10 \times 4$  ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- .16 Cor. to secs. 10, 11, 14 + 15.  
Land very rough mountainous  
soil rocky, 4<sup>th</sup> rate timber pine <sup>and</sup>  
some grass

N. between secs. 10 + 11.

Var.  $15^{\circ} 15' E.$

2.00 Begin to descend

25.00 Ravine, course  $S. 15^{\circ} W.$

40.00 Set stone  $25 \times 15 \times 4$  ins. in mid. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face.

50.02 Pine 40 ins. diam. on line.

80.00 Set stone  $16 \times 14 \times 6$  ins. in mid. of stone  
for cor. to secs. 2, 3, 10, + 11, marked with  
5 notches on S. + 2 on E. edges.

Land rolling, soil rocky, 4<sup>th</sup> rate.  
timber pine, with some good grass.

E. on a random line between secs. 2 & 11,  
 Va.  $15^{\circ} 15' E.$

- 10.52 Ravine, course N. W.  
 10.00 Set temporary  $\frac{1}{4}$  sec. cor.  
 16.22 Ravine from S. to N.  $10^{\circ} W.$   
 51.02 Foot of bluff  
 52.62 Top " " bears N. E. + S. W.  
 80.12 Intersect N + S. line of lks. N. of cor. to  
 secs. 1, 2, 11, + 12. Thence I run  
 N.  $89^{\circ} 56' W.$  on a true line, same Va.  
 10.06 set stone  $15 \times 12 \times 6$  ins. in mid. of stone  
 for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.  
 80.12 Cor. to secs. 2, 3, 10 + 11.  
 Land rough + mountainous, soil  
 rocky, 4<sup>th</sup> rate, pine timber + grass,

August 17, 1889.

N. on a random line between secs. 2 + 3.

Ya.  $15^{\circ}15'$  E.

17.1 28.37 Ravine, course S. W.

25. 65.32 Enter aspen timber

38. 74.32 Leave " "

40. 80.32 Intersect N. boundary of Sp. 21 lks. W. of

cor. to secs. 2, 3, 34 + 35, which is a stake 3 ins.

square + 3 ft. long in mid. of earth, properly  
marked + with one bearing tree also properly  
marked. Thence I run

S.  $0^{\circ}9'$  W. on a true line, same Ya.

40.32 Set stone  $15 \times 8 \times 6$  ins. in mid. of stone for  $\frac{1}{4}$   
sec. cor. marked  $\frac{1}{4}$  on W. face.

80.32 Cor. to secs. 2, 3, 10 + 11.

Land level, soil rocky 4<sup>th</sup> rate,  
timber, pine + aspen.

From cor. to sec. 34. 33 + 34 on S. boundary which  
is a stake 3 ins. square + 3 ft. long in md. of stone,  
properly marked with bearing brass also properly  
marked 9 in N. between sec. 33 + 34

7a.  $15^{\circ} 15' E$ ,

Descending through pine timber.

- 11.00 Ravine, course N. E.,
- 1.10 Road brass N. E. + S. W.
- 27.00 Begin to ascend.
- 40.00 Set stone 16 x 12 x 10 ins. in md. of stone  
for 1/4 sec. cor. marked 1/4 on W. face,
- 41.00 Top of slope of ridge, brass N. E. + S. W.
- 42.00 Begin to descend,
- 49.00 Ravine, course S. E. ascend.
- 59.00 Top of ridge brass E. + W. descend.
- 77.00 Leave timber enter head of valley.
- 80.00 Foot of hill. set stone 17 x 12 x 6 ins. in md.  
of stone for cor. to sec. 27. 28. 33 + 34,  
marked with 1 notch on S. <sup>1/4</sup> 3 notches



12

on E. edges

Land rough and mountainous, soil rocky.  
 4<sup>th</sup> rate, pine timber and good grass.

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17.1

25.

38.

40.

42

7

80

E. on a random line between secs. 27 + 34

$\gamma a. 15^{\circ} 15' E.$

39.73 Road to Marshall's ranch. bears N.E. + S.W.

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

40.48 Foot of hill, road bears N.E. + S.W.

42.48 Enter timber

42.98 Top of rise, descend.

45.03 Pine 18 ins. on line.

49.98 Intersect N + S. line, 9 lks. S. of cor. to  
secs. 26, 27, 34 + 35. Thence I run  
S.  $89^{\circ} 56' W.$  on a true line, same  $\gamma a.$

49.99 Set stone 12 x 8 x 6 ins. 8 ins. in ground  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face raised a  
rod. of stone alongside.

49.98 Cor. to secs. 27, 28, 33 + 34.

Land mostly level, soil 2<sup>nd</sup> rate.  
Timber pine, grass very good.

August 18, 1889.

N. between secs 27 & 28

Ya.  $15^{\circ} 15' E.$

15.50 Enter timber

30.47 Pine 36 ins. diam. on line.

36.00 Enter small clearing.

40.00 Set stone  $33 \times 15 \times 6$  ins. 15 ins. in ground  
for 4 sec. cor. marked  $\frac{1}{4}$  on N. face and  
raised a rnd. of stone alongside.

48.00 Enter timber.

50.45 Dead pine 36 ins. diam. on line.

68.00 Head of ravine, course S. E. ascend.

79.00 Top of rocky ridge, bears E + W. descend.

80.00 Ravine, to S.  $75^{\circ} E.$  set stone  $16 \times 12 \times 8$  ins.  
in rnd. of stone for cor. to secs. 21, 22, 27 & 28.  
marked with 2 notches on S. + 3 on E. edges.

Land for 68 chs. nearly level, for 12 chs. rough  
& mountainous, soil 4<sup>th</sup> rate, timber, pine

E. on a random line between secs. 22 + 27,  
 $\gamma a, 15^{\circ} 15' E.$

- 10.00 Set temporary  $\frac{1}{4}$  sec. cor.  
 19.92 Intersect N + S. line 8 lks. S. of cor. to  
 secs. 22, 23, 26 + 27. Thence I run  
 $S. 89^{\circ} 57' W.$  on a true line, same  $\gamma a.$   
 9.96 Set atm. 15 x 8 x 6 ins. in mid. of stone for  $\frac{1}{4}$   
 sec. cor. marked  $\frac{1}{4}$  on N. face.  
 19.92 Cor. to secs. 21, 22, 27 + 28.  
 Land level, soil rocky, 4<sup>th</sup> rate.  
 Timber, pine, good grass.

N. between secs. 21 + 22,

7a. 15° 15' E.

29.57 Pine 15 ins. diam. on line.

31.72 Pine 48 ins. " " "

40.00 Set stone 15x15x12 ins. in mid. of stone for  
1/4 sec. cor. marked 1/4 on W. face.

48.76 Pine 16 ins. diam. on line

50.77 Pine 20 ins. diam. " "

60.12 Ravine to E.

60.54 Pine 24 ins. diam. on line.

70.00 Ravine to S.E.

80.00 Set stone 15x12x12 ins. in mid. of stone for  
cor. to secs. 15, 16, 21 + 22, marked with 3  
notches on S. + 3 on E. edges.

Sand rolling, soil rocky 4th rate.

Timber pine, very good grass

E. on a random line between secs. 15 & 22.

Ya.  $15^{\circ} 15' E.$

- 9.11 Pine 18 ins. diam. on line.
- 9.76 Ravine to S.E.
- 10.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 12.66 Grand Cañon road bears N.W. & S.E.
- 14.84 Pine 12 ins. diam. on line.
- 19.96 Intersect N & S. line 12 W. S. of cor. to  
secs. 14, 15, 22 & 23, thence 9 run  
S.  $89^{\circ} 55' W.$  on true line, same Ya.
- 9.98 Set stone  $19 \times 15 \times 12$  ins. in md. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 19.96 Cor. to secs. 15, 16, 21 & 22  
Land rolling, soil stony,  $\frac{1}{4}$  rate,  
Timber, pine. good grass.

August 19, 1889.

N. between sec. 15 & 16.

Var.  $15^{\circ} 15' E.$

12. 14.75 Grand Cañon road bears N.W. & S.E.
- 25 21.95 Pine 10 ins. diam. on line.
- 38 24.85 Pine 18 ins. " " "
- 40 32.08 Pine 24 ins. " " "
- 40.00 Set stone 25x15x6 ins. in mid. of stone for  
1/4 sec. cor. marked 1/4 on N. face.
- 4 57.00 Grand Cañon road bears N.E. & S.W.
- 8 80.00 Set stone 24x12x7 ins. in mid. of stone for  
cor. to sec. 9, 10, 15 & 16, marked with 4  
notches on S. & 3 on E. edges.  
Land rolling, soil stony, 4<sup>th</sup> rate,  
Timber, pine, good grass.

E. on a random line between secs. 10 + 15

Ya.  $15^{\circ} 15' E.$

- 7.15 Grand Cañon road bears  $N10^{\circ} E + S10^{\circ} W.$
- 22.65 Top of rocky bluff bears  $N10^{\circ} W. + S10^{\circ} E.$
- 24.15 Foot " " "
- 27.15 Foot " " " ravine to  $S10^{\circ} E.$
- 29.15 Top " " "
- 30.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 52.30 Pine 24 ins. diam. on line,
- 57.00 Ravine to  $S. 30^{\circ} W.$
- 80.15 Intersect N & S. line. 13 lbs. N. of cor. to  
secs 10, 11, 14 + 15. Thence I run  
 $N. 89^{\circ} 54' W.$  on a true line, same Ya.
- 40.08 Set stone  $15 \times 10 \times 10$  ins. in end. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 80.15 Cor. to secs. 9, 10, 15 + 16  
Land broken, soil rocky. 4<sup>th</sup> rate,  
Pine timber <sup>and</sup> good grass.



12 40

N. between Secs. 9 + 10

Ya.  $15^{\circ} 15' E$ .

12 11.00 Edge of precipitous rocky bluff, bears E + W.

25 12.00 Foot " " " "

38 13.25 Ravine to S  $75^{\circ} W$ . ascend.

40 15.50 Foot of bluff, bears N.E. + S.W.

16.00 Top " "

20.80 " " "

41 23.60 Foot " " ravine to S.W.

24.10 " " "

26.00 Top " "

40.00 Set stone  $16 \times 12 \times 8$  ins. in mid. of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face.47.00 Ravine to S.  $85^{\circ} E$ 68.00 " to S.  $80^{\circ} E$ 80.00 Set stone  $15 \times 12 \times 9$  ins. in mid. of stone for cor. to sec. 3, 4, 9, + 10 marked with 5 notches on S. + 3 on E. edges.

Land rough, broken, soil rocky 4<sup>th</sup> rate.  
 Timber pine, some very good grass.

E. on a random line between secs. 3+10.

$\gamma a. 15^{\circ} 15' E.$

- 10.11 Ravine to S.
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 54.53 Pin 18 ins. diam. on line.
- 56.31 Ravine to S,  $15^{\circ} W.$
- 80.16 Intersect N+S. line, 7 lbs. S. of cor. to  
secs. 2.3.10+11. Thence I run  
S.  $89^{\circ} 56' W.$  on a true line, same  $\gamma a.$
- 40.08 Set stone  $17 \times 12 \times 4$  ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 80.16 Cor. to secs. 3.4.9+10.  
Land rolling, soil rocky  $4^{th}$  rate,  
Pine timber <sup>and</sup> good grass.

August 20, 1889.

63.50 Begin to descend.

74.00 Ravine to N.E.

80.00 Set stone 28 x 14 x 4 ins. in mid. of stone  
for cor. to sec. 28, 29, 32 + 33. marked  
with 1 notch on S. <sup>1/4</sup> 4 on E. edges.  
Land rough + broken, soil rocky 4<sup>th</sup>  
rate, timber pine + some good grass.

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E. on a random line between secs. 28+33.

Var.  $15^{\circ} 15' E$ ,

- 10.81 Ravine to N.  $65^{\circ} E$ ,
- 19.91 Foot of hill ascend
- 34.91 Top " " descend.
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 48.41 Ravine to N.  $90^{\circ} E$ ,
- 68.71 Leave timber
- 79.91 Intersect N+S. line 15 lks. S. of cor. to  
secs. 27, 28, 33+34, Thence I run  
S.  $89^{\circ} 54' W$ . on a true line, same Var.
- 39.95 Set stone  $17 \times 14 \times 6$  ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 79.91 Cor. to secs. 28, 29, 32+33.  
Land broken, soil rocky, 4<sup>th</sup> rate;  
Pine timber & good grass.

- 63 N. between secs. 28 & 29.  
Va.  $15^{\circ} 15' E$ .
- 74 18.00 Ravine to E.  
80 28.00 Ravine to S.  $20^{\circ} E$ , ascend.  
40.00 Set stone  $16 \times 12 \times 4$  ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face.  
41.00 Begin to descend  
58.50 Head of ravine to N.  $20^{\circ} E$ .  
65.11 Pine 22 ins. diam. on line.  
70.50 Ravine to N.  $20^{\circ} W$ . ascend.  
75.00 Top of point of ridge, bears E + W. descend.  
80.00 Set stone  $36 \times 16 \times 5$  ins. in mid. of stone for  
cor. to secs. 20, 21, 28 & 29, marked with  
2 notches on S. <sup>and</sup>  $\frac{1}{4}$  on E. edges.  
Land broken, soil rocky, 4<sup>th</sup> rate.  
Pine timber <sup>and</sup> grass.

August 21, 1889.

E. on a random line between secs 21 & 28.  
 Va.  $15^{\circ} 15' E.$

- 25.13 Top of hill descend.
- 39.11 Pine 26 ins. diam. on line.
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 40.63 Ravine to S.E. ascend
- 51.13 Top of ridge trace S.E. & N.W. descend.
- 80.13 Intersect N+S. line 6 lbs. S. of cor. to  
 secs. 21, 22, 27 & 28. Thence I run  
 S.  $89^{\circ} 57' W.$  on a true line same Va.
- 40.07 Set stone 12x12x6 ins. in mid. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 80.13 Cor. to secs. 20, 21, 28 & 29.  
 Land broken, soil rocky & <sup>4</sup>th rate.  
 Pine timber <sup>and</sup> good grass.

N. between secs. 20 + 21

Va.  $15^{\circ} 15' E.$

- 2.00 Ravine to SE. begin to ascend E. slope  
of Wing Mt.
- 40.00 Foot of E. slope of Wing Mt., set stone  
 $15 \times 12 \times 5$  ins. in mid. of stone for  $\frac{1}{4}$  sec.  
cor. marked  $\frac{1}{4}$  on W. face.
- 48.53 Pine 40 ins. diam. on line.
- 49.18 Pine 40 ins. " " "
- 80.00 Set stone  $15 \times 12 \times 12$  ins. in mid. of stone  
for cor. to secs. 16, 17, 20 + 21. marked with  
3 notches on S. + 4 on E. edges.  
Land rolling, soil rocky 4<sup>th</sup> rate.  
Pine timber + grass.
-

E. on a random line between secs. 16 & 21.

Ya.  $15^{\circ} 15' E$ ,

- 20.05 Ravine to S.E.,
- 28.90 Foot of small hill
- 34.90 Top " " "
- 40.00 Foot " " " Set temporary  $\frac{1}{4}$  sec. cor.
- 52.80 Pine 22 ins. diam. on line.
- 54.00 Ravine to S.  $75^{\circ} E$ ,
- 79.90 Intersect N. + S. line 10 lbs. N. of cor. to  
secs. 15, 16, 21 + 22. Thence I run  
N.  $89^{\circ} 56' W$ . on a true line, same Ya.
- 39.95 Set stone 20x11x7 ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 79.90 Cor. to secs. 16, 17, 20 + 21,  
Land broken, soil rocky, 4<sup>th</sup> rate,  
Pine timber and good grass;



- 6<sup>2</sup> N. between secs. 16 + 17.  
Va.  $15^{\circ} 15' E$ .
- 7  
8 17.50 Ravine to S.W.
- 26.19 Pine 24 ins. diam. on line.
- 40.00 Set stone 19x12x6 ins. in mid. of stone  
for  $\frac{1}{4}$  sec. cor marked  $\frac{1}{4}$  on W. face.
- 49.50 Ravine to N.W.
- 71.10 Road bears S  $75^{\circ} E$  + N.  $75^{\circ} W$ .
- 80.00 Set stone 18x10x5 ins. in mid. of stone for  
cor. to secs. 8, 9, 16 + 17. marked with 4  
notches on S. + 4 on E. edges.  
Land rolling, soil rocky, 4<sup>th</sup> rate.  
Pine timber <sup>and</sup> grass.
-

E. on a random line between secs. 9 + 16

Ya,  $15^{\circ} 15' E$ .

- 5.15 Foot of bluff bears N + S. ascend.
- 12.15 Top " " "
- 18.15 Foot " " E. side
- 22.35 Ravine to N.W.
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor.
- 45.20 Ravine to S.  $10^{\circ} W$ .
- 63.05 Pine 35 ins. diam. on line.
- 63.65 Top of bluff of cañon bears N.E. + S.W.
- 65.15 Foot of " " "
- 66.25 Centre of cañon, course S.W.
- 67.65 Foot of bluff E. side
- 68.65 Top " " " " descend.
- 80.15 Intersect N + S. lines 12 lbs. S. of cor. to secs. 9, 10, 15 + 16. Thence I run S.  $89^{\circ} 55' W$ . on a true line same Ya.
- 110.08 Set stone  $18 \times 16 \times 4$  ins. in mid. of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.
- 80.15 Cor. to secs. 8, 9, 16 + 17.
- Land broken, soil rocky, 4<sup>th</sup> ratio.
- Pine timber & good grass.
- August 22, 1889.

N. between secs. 8 & 9.

Var.  $15^{\circ} 15'$  E.

36.15 Ravine to N.  $15^{\circ}$  W.

39.62 Pine 18 ins. diam. on line.

40.00 Set stone  $19 \times 14 \times 4$  ins. in mid. of stone for  
1/4 sec. cor. marked 1/4 on W. face.

42.60 Ravine to W.

68.80 Ravine to S. W.

71.11 Pine 15 ins. diam. on line.

80.00 Set stone  $17 \times 11 \times 5$  ins. in mid. of stone for  
cor. to secs. 4, 5, 8 & 9 marked with 5 notches  
on S. & 4 on E. edges.

Land rolling soil rocky 4<sup>th</sup> rate.  
Pine timber and good grass.

E. on a random line between secs. 4 & 9,  
 Ya.  $15^{\circ} 15' E$ .

10.05 Ravine to S. W.

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

43.90 Ravine to N.  $70^{\circ} E$ .

62.85 Pine 18 ins. diam. on line.

74.95 Intersect N & S. line 5 lks. N. of cor. to  
 secs. 3, 4, 9 & 10. Thence run

N.  $89^{\circ} 58' W$ . on a true line, same Ya.

39.98 Set stone 26 X 11 X 4 ins. in mid. of stone  
 for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.

79.95 Cor to secs. 4, 5, 8 & 9.

Land rolling, soil rocky, 4th water.  
 Pine timber <sup>and</sup> good grass.

N. on a random line between sec. 4 & 5

Va.  $15^{\circ}15'$  E.

- 3.45 Ravine to W.
- 25.65 Ravine to S.  $40^{\circ}$  W
- 40.00 Set temporary  $\frac{1}{4}$  sec. cor
- 48.39 Pine 16 ins. diam. on line.
- 53.75 Ravine to N. W.
- 80.55 Intersect N. boundary Sp. 19 lks. W. of cor. to  
sec. 4, 5, 32 & 33, which is a stake 3 ins. square, 3 ft.  
long set in ground, properly marked, with trees also  
properly marked. Thence I run  
S.  $0^{\circ}8'$  W. on a true line, same Va.
- 40.55 Set stone  $2 \times 16 \times 7$  ins. in mid. of stone for  $\frac{1}{4}$   
sec. cor. marked  $\frac{1}{4}$  on W. face.  
Land rolling soil rocky, 4<sup>th</sup> rate.  
Pine timber and good grass.

From cor. to sec. 5, 6. 31+32 on S boundary, which is a stake 2 1/2 ins. square, + 3 ft. long in mid. of stone, on the N.W. slope of steep hill, properly marked with bearing trees properly marked, I run N. between sec. 31+32.

Ya, 15° 15' E.

- 5.30 Bottom of ravine, to S. 65° W. ascend steep hill.
- 35.00 Top of hill, descend.
- 39.85 Bottom of ravine, ascend.
- 40.00 Set stone 16x12x8 ins. in mid. of stone for 1/4 sec. cor. marked 1/4 on W. face.
- 54.00 Ravine to S.W.
- 80.00 Top of ridge bears N.E. + S.W., set stone 15x12x4 ins. in mid. of stone for cor. to sec. 29.30.31.+32 marked with notch on S. + 5 in E. edge.
- Land rough <sup>and</sup> mountainous, soil rocky <sup>with</sup> rate. Pine timber <sup>and</sup> good grass.

E. on a random line between secs. 29 + 32.

Ya.  $15^{\circ} 15' E.$

317.66 Ravine to S.  $70^{\circ} E.$

721.16 Foot of hill, ascend

236.16 Top of " descend

439.81 Pine 18 ins. diam, on line

540.00 Set temporary  $\frac{1}{4}$  sec. cor.

848.16 Foot of hill

50.11 Ravine to N.  $10^{\circ} E.$

80.16 Intersect N+S. line 12 lks. N. of cor. to  
secs. 28, 29, 32 + 33. Thence down  
N.  $89^{\circ} 55' W.$  on a true line, same Ya.

440.88 Set stone 12x12x5 ins. in mid. of stone for  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face.

80.16 Cor. to secs. 29, 30, 31 + 32.

Land rough & mountainous, soil rock  
 $4^{th}$  rate, Pine timber, grass.

August 23, 1889.

TOWNSHIP 22 N. R. 6 E.

BOOK 40

