

No. 1307

BOO

1A

Book No. 4 1/2

~~See Index~~

FIELD NOTE

1307

The *California* OF *P/E.*

Township *33 North* R *3*
Gila and Salt River Mer *R 31 E*

BY *R 31 E* 1
R 31 E 8

W. R. Hayward

under his contract of *Jan*

Survey commenced *Dec*

Survey completed *Dec*

Platted by

Copied for Washington by

Copied for Register by

No. 1307

~~Index~~

W & N B'dies
of
T. 23 N; R. 31 E.

West B'dy T 23 N, R 31 E	1
North B'dy T 23 N, R 31 E	8

A ¹⁰ Township 23 North, Range 31 East,
BOOK 1307 G. & S. R. Meridian.

8	10	11	13			
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
3	19	20	21	22	23	24
2	30	29	28	27	26	25
1	31	32	33	34	35	36

BOOK 1307

For Preliminary Notes
and description of
instrument used see
Book No. 1 -

No. 1307

Chains.

Before proceeding further with the exteriors of this Tps. I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 22 & 23 N. Rs. 30 & 31 E, previously set by me. I run,

North on a true line between sections 31 and 36.

Va. $14^{\circ} 25'$ East.

Descend.

40.00 Set a sand stone $20 \times 10 \times 8$ ins., 15 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, dug pits, $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside

80.00 Set a sand stone, $8 \times 15 \times 5$ ins., $\frac{1}{2}$ ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with / notch on S. and 5 notches on W. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base. alongside

Land mountainous. Timber of Juniper.

Soil 3rd rate

Vegetation bunchgrasses & sagebrush.

W. B. T. 23 N. R. 31 E. G. & S. R. M.

Chains.

North on a true line between sections 25 and 30.

Va. $14^{\circ} 25'$ East.

Descend.

9.00 Cross Gulch, 17 lks. wide, Course E. and ascend.

40.00 Set a sand stone $20 \times 20 \times 4$ ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, and raised a mound of stone. alongside Pits impracticable.

63.90 Top of Ridge, bears E and N. and descend.

80.00 Set a sand stone $24 \times 18 \times 4$ ins., 18 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notch 60 on S. and 4 notches on W edges and raised a mound of stone. alongside Pits impracticable. from which

A Pine 5 ins. diam. bears $N. 28^{\circ} E$, 12 lks. dist. marked T. 23 N, R. 31 E, S., 19 B. T.

A Pine 11 ins. diam. bears $S. 22^{\circ} E$, 84 lks. dist. marked T. 23 N, R. 31 E, S., 30 B. T.

A Pine 8 ins. diam. bears $N. 18^{\circ} W$, 21 lks. dist. marked T. 23 N, R. 30 E, S., 25 B. T.

A Pine 7 ins. diam. bears $N. 71^{\circ} N$, 16 lks. dist. marked T. 23 N, R. 30 E, S., 24 B. T.

W. B. T. 23 N. R. 21 E. G. & S. R. M.

Chains.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation, bunchgrass and Sagetmoor.

North on a true line between sections 19 ^W 24.

Va. 14° 25' East.

Descend.

19.00 Cross Gulch, 20 lks. wide, Course E. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base around post.

57.90 Top of Ridge, bears E. ^W N. and descend.

80.00 Set a sand stone 16 x 11 x 7 ins. 11 ins. in
the ground for Cor. to Secs. 13, 18, 19 ^W 24, marked
with \int notch on S. and \int notch on ~~W~~ edges, dug pits
18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a
mound of earth 2 ft. high $4\frac{1}{2}$ ft. base. alongside
Land mountainous. Timber of Pine.
Soil 3rd rate
Vegetation, bunchgrass.

W. 13 T. 23 N. R. 31 E. G. & S. R. M.

ains.

North on a true line between sections 13rd & 18th.

Va. 14° 25' East.

Descend.

- 9.00 Cross Gulch, 24 lks. wide, Course E. and ascend.
- 27.00 Top of Ridge, bears E. $\frac{3}{4}$ W. and descend.
- 40.00 Set a sandstone 17 x 14 x 7 ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base. alongside
- 47.00 Cross Gulch, 19 lks. wide, Course E. and ascend.
- 71.00 Top of Ridge, bears E. $\frac{3}{4}$ W. and descend.
- 80.00 Set a sandstone 20 x 16 x 7 ins. 15 ins. in the ground for Cor. to Secs. 7, 12, 13rd & 18th, marked with H notch es on S. and 2 notches on N edges and raised a mound of stone. alongside Pits impracticable.
Land mountainous
Soil 3rd rate.
Timber of Pine.
Vegetation, bunch grass.

Chains.

North on a true line between sections 7 ^{and} 12.
Pa. 14° 25' East.

Descend.

12.00 Cross Gulch, 20 lks. wide, Course E. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 S. on
W. face, dug pits, 18 x 18 x 12 ins., N. and S. of
post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft.
high, 3 1/2 ft. base around post.

51.00 Top of Hill bears E. ^{Pa} W. and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.
12 ins. in the ground, for Cor. to Secs. 1, 6, 7 ^{Pa} 12,
marked T. 23 N. S. 6, on N. E., R. 31 E. S. 7
on S. E. ^{R. 20 E.} S. 12 on S. W. and S. 1 on N. W. face;
with 5 notch ²⁰ on S. and 1 notch on N. edges;
dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,
and raised a mound of earth 2 ft. high, 4 1/2 ft. base
around post.

from which

A Pine 8 ins. diam. bears N. 32° E., 71 lks. dist.

marked T. 23 N. R. 31 E. S. 6 B. T.

No other trees within limits.
Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation, bunchgrass.

W. 13. T. 23 N. R. 31 E. G. & S. R. M.

Chains.

North on a true line between sections 1 and 6.

Va. $14^{\circ} 25'$ East.

Descend.

4.00 Cross Gulch, 25 lks. wide, Course $\text{of } 75^{\circ} \text{E}$ and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on

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

post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post. from whichA Pine 7 ins. diam. bears $\text{N. } 33^{\circ} \text{E}$, 72 lks. dist.marked $\frac{1}{4}$ S. B. T.A Pine 5 ins. diam. bears $\text{of } 14^{\circ} \text{N}$, 50 lks. dist.marked $\frac{1}{4}$ S. B. T.57.00 Top of Hill bears $\text{E. } \frac{1}{2} \text{ W}$ and descend.80.00 Set a post, $4\frac{1}{2}$ ft. long, 4 ins. square, with marked

stone 12 ins. in the ground, for Cor: to Tps. 23

and 24 N, R's 31 and 30 marked T, 24 N. S. 31

on N. E. R. $\text{of } \text{E. S.}$ 6 on S. E. T. 23 N. S. 1 on S,W, and R, $\text{of } \text{E. S.}$ 30 on N, W, faces, with 6 notches

on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on

each line, N, S, E, and W, of post, 6 ft. dist. and

raised a mound of earth $2\frac{1}{2}$ ft. high, 5 ft. base

around post.

W. B. T. 23 N. R. 31 E. G. & S. R. M.

Chains.

*Land mountainous**Soil 3rd rate.**Timber of Pine,**Vegetation, bunchgrass.**December 18th - 1882.*

M. B. T. 23 N. R. 31 E. G. & S. R. M.

ains.

Before proceeding further with the exteriors of this Tps. I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

I took the latitude and found it to be $35^{\circ} 23'$ North. From the Cor. to Tps. 23 & 24 N. Rs. 30 & 31 E, I run,

East. on a true line between sections 6 and 31.

Va. $14^{\circ} 25'$ East.

Descend.

39.00 Cross Gulch, 20 lks. wide, Course N. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.

30.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 5, 6, 31 & 32, marked T. 24 N. S. 32, on N. E., R. 31 E, S. 5 on S. E. S. 6 on S. W. and S. 31 on N. W. faces with / notch on W and 5 notch ∞ on E. edges;

N. B. T. 23 N. R. 31 E. G. & S. R. M.

Chains.

dig pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.,
and raised a mound of earth 2 ft. high, 4½ ft. base
around post.

from which

A Pine 8 ins. diam. bears N. 22° E., 73 lks. dist.
marked T. 24 N. R. 31 E, S., 32 B. T.

A Pine 14 ins. diam. bears S. 17½° E., 88 lks. dist.
marked T. 23 N., R. 31 E, S., 5 B. T.

A Pine 16 ins. diam. bears N. 18° W., 141 lks. dist.
marked T. 24 N., R. 31 E, S., 31 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation, bunchgrass and sagebrush.

10
 N. B. T. 23 N. R. 31 E. G. & S. R. M.

Chains.

East. on a true line between sections 5th & 32.

Va. $14^{\circ} 25'$ East.

Ascend.

35.00 Top of Hill bears N. E. 45° S. W. and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
 N. face, dug pits, 18 x 18 x 12 ins., E. and W. of
 post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.
 high, $3\frac{1}{2}$ ft. base around post.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.
 12 ins. in the ground, for Cor. to Secs. 4, 5, 32nd & 33,
 marked T. 24 N. S. 33, on N. E., R. 31 E, S. 4
 on S. E. S. 5 on S. W. and S. 32 on N. W. faces,
 with 2 notches on W and 4 notches on E. edges;
 dug pits, 18 x 18 x 12 ins. in each Sec., $5\frac{1}{2}$ ft. dist.,
 and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
 around post.

from which

A Pine 9 ins. diam. bears N. 72° E., 80 lks. dist.

marked T. 24 N., R. 31 E, S. 33 B. T.

A Pine 11 ins. diam. bears S. 47° E., 83 lks. dist.

marked T. 23 N., R. 31 E, S. 4 B. T.

A Pine 13 ins. diam. bears S. 56° W., 42 lks. dist.

N. B. T. 23 N. R. 31 E. G. & S. R. M.

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Chains.

marked T. 234 R. 31 E, S., 5 B. T.

A Pine 8 ins. diam. bears N. 33° W., 46 lks. dist.

marked T. 244 R. 31 E, S., 32 B. T.

Land mountainous

Soil *good* rate.

Timber of Pine,

Vegetation, bunch grass.

East. on a true line between sections H ^W 33.

Va. 14° 25' East.

Over rolling land.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone. 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 S. on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

from which

A Pine 13 ins. diam. bears N. 17° E., 67 lks. dist marked 1/2 S. B. T.

A Pine 8 ins. diam. bears N. 20° W., 18 lks. dist marked 1/2 S. B. T.

N. B. T. 23 N R. 31 E. G. & S. R. M.

Chains.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone.
 12 ins. in the ground, for Cor. to Secs. 3, 4, 33 & 34,
 marked T. 24 N. S. 34, on N. E., R. 31 E., S. 3
 on S. E. ^{T. 23 N.} S. 4 on S. W. and S. 33 on N. W. faces,
 with 3 notch ∞ on W and 3 notch ∞ on E. edges;
 dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.,
 and raised a mound of earth 2 ft. high, 4 1/2 ft. base
 around post.

from which

A Pine 13 ins. diam. bears N. 78° E., 43 lks. dist.
 marked T. 24 N., R. 31 E., S. 34 B. T.

A Pine 5 ins. diam. bears S. 34 1/2° E., 273 lks. dist.
 marked T. 23 N., R. 31 E., S. 3 B. T.

A Pine 7 ins. diam. bears S. 28° W., 209 lks. dist.
 marked T. 23 N., R. 31 E., S. 4 B. T.

A Pine 17 ins. diam. bears N. 43° W., 81 lks. dist.
 marked T. 24 N., R. 31 E., S. 33 B. T.

Land mountainous and rolling.

Soil 3rd rate.

Timber of Pine.

Vegetation, bunchgrass.

T. 23 N R. 31 E. G. & S. R. M.

Chains.

East. on a true line between sections 3 ^W 34.

Va. $14^{\circ}25'$ East.

Over rolling land.

11.50 Leave rolling Mesa, bear N. W. ^W S. E. and descend.

12.30 Intersect Boundary line, between Arizona

and New Mexico, at a point 24.27 chs

North of cor. No. 109, which is a

sandstone, 24 x 6 ins. in a mound

of stone, marked No. 109 on N,

32° N. S. on South, Arizona

on West and N. W. on

East faces,

Set a post $4\frac{1}{2}$ ft. long, 4 ins. square, with marked

stone 12 ins. in the ground, for Closing Cor. to

Tps. 23 ^W 24 ^R 31 E, marked O. O.

R. 31 E. on W. T. 24 N. S. 34, on

N. and T. 20 N. S. 3 on S. faces with 6

notches on N, W. ^W S. faces, dug pits, 24 x 18 x

12 ins, crosswise on each line, N, W. ^W S. of post, 6

ft. dist, and raised a mound of earth $2\frac{1}{2}$ ft. high, 5

ft. base, around post,

N. B. T. 23 N. R. 31 E. G. & S. R. M.

Chains.

from which

A Pine 8 ins. diam. bears N. 32° W, 43 lks. dist.
marked T. 244, R. 316, S., 34 B. T.

No other trees within limits.

Land mountainous and rolling.

Soil 3rd rate.

Timber of Pine,

Vegetation, bunchgrass and vegetation.

December 19th 1882.

For Final Details
see Book No. 18

U. S. Surveyor General's Office,

TUCSON, ARIZONA, May 17, 1883

The foregoing Field Notes of the Survey of the a
Portion of the Eastward line
Township 23 North
Range 31 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by W. R. Fitzgerald
Deputy Surveyor, under his contract of the 17th
day of July, 1882, having been
critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved.

J. M. P. Davis
Surveyor General.