

Field Notes

TOWNSHIP FOUR NORTH

RANGE TEN WEST

S.B.M.

SECTIONS 1, 2,

11 & 12.

T. 4 N. R. 10 W. S.B.M.

NORTH BOUNDARY T. 4 N., R. 10 W., S. B. M., given in the
Field Notes of T. 5 N., R. 10 W., S.B.M.

EAST BOUNDARY T. 4 N., R. 10 W., S.B.M., given in the
Field Notes of T. 4 N., R. 9 W., S.B.M.

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SUBDIVISIONS

From the corner to sections 1, 6, 7 and 12 on the East
Boundary

West on South boundary of section 1

Var. 14° 08' East

25.50 To Willow Thicket with water, course NE
27.50 To rapid stream 5 lks wide, course NE
31.50 To another rapid stream 5 lks wide, course NE
33.50 Leave Willow thicket.
40.00 Set $\frac{1}{4}$ section post and charred stake in mound with
trench and pits as per instructions
50.00 In swamp.
80.00 Drive section post and charred stake in swamp some 15
chs N. of the base of high spur on the South
Land undulating
Narrow Valley to the NE
Soil first and second rate, but generally second

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North on a random line between sections 1 and 2

Var. 14° 08' East.

8.00 Leave swamp and to base of hills
18.00 To top of range of hills, bears NW
40.00 Set temporary $\frac{1}{4}$ section corner.
54.50 To wagon road on South side of valley to NW course NW
62.00 Cross dry arroyo 8 lks wide on N side of valley to NW
80.45 Intersect the N boundary of post corner to sections 1,
2, 35 and 36,

From which I run

T. 4 N., R. 10 W. S. B. M.

South on a true line between sections 1 and 2

Var. 14° 08' East

40.45 Set $\frac{1}{4}$ section post and charred stake with mound trench and pits as per instructions.

80.45 To corner of sections 1, 2, 11 and 12.

Rolling and hilly land.

Soil second rate. Good pasture.

Timber scattering Cedar.

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From the corner of sections 1, 2, 11 and 12

West on South boundary of section 2.

Var. 14° 08' East.

24.50 Leave swamp

25.50 Enter dense Willow thicket.

23.50 Leave same

40.00 Set $\frac{1}{4}$ section post and charred stake,

From which bears a

Willow 6 in dia S. 10° E. 256 lks.

Willow 6 in. dia N 87° E. 465 lks.

The west point of spur of high hills on S., S. 20° W. distant about 20 chas.

65.00 Commencement of an inclined plain

80.00 Set section post and charred stake in mound with trench and pits as per instructions, corner of sections 2, 3, 10 and 11.

First $\frac{3}{4}$ mile land level.

Soil first rate.

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South between sections 10 and 11

Var. 14° 08' East.

7.50 To base of East slope of East terminus of high hills

16.00 Top of same, ascent 100 ft.

32.00 Leave East slope

40.00 T. 4 N., R. 10 W. S.B.M.
Set $\frac{1}{4}$ section post and charred stake on the south face of side east slope.

From which bears a

Cedar 6 in. dia N 87° W., 97 lks.

Cedar 3 in. dia - 4 lks.

49.50 Cross dry arroyo 15 lks wide, course NE on S base of E slope of hill and enter a valley connecting with the Valley of Criuja (Writing in present notes illegible) by a pass some 20 chs. wide from the center of the NW $\frac{1}{4}$ of section 11

74.50 To base of E. point of hills.

76.00 Top of same and ascent 50 ft.

78.50 Cross ravine 15 lks wide, course NE

80.00 Set section post and charred stake corner of sections 10, 11, 14 and 15,

From which bears a

S 61° W	20.2	Black Oak 4 in. dia S. 60° W., 31 lks.	20.46
N 30° W	41.0	Black Oak 4 in. dia N. 29° W., 62 lks.	40.92
S 72° E	24.7	Black Oak 4 in. dia S. 12° ^{21°?} E., 40 lks.	26.40
N 31° E	19.0	Cedar 8 in. dia N 45° E 29 lks.	19.14

Broken land.

Soil principally third rate.

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North between sections 13 and 14

Var. 14° 08' East

58.30 Set section post (only 2 $\frac{1}{2}$ in. sq.) and charred stake and dig trench as per instructions corner of sections 11, 12, 13 and 14

From which bears a

Cedar 6 in. dia. S. 18° W., 31 lks. 20.5

Cedar 6 in. dia. N 52 $\frac{1}{2}$ ° E., 79 lks. 54.3

Within 10 chs. of high mountain spur on the N and E Land sloping to the north.

Soil second rate but in places rocky.

Handwritten calculations:
 $\frac{31}{186}$
 $\frac{186}{20.46}$
 $\frac{79}{494}$
 $\frac{494}{54.3}$

T. 4 N. R. 10 W. S.B.M.

West on a random line between sections 11 and 14

Var. $14^{\circ} 08'$ East.

- 21.50 Cross dry and rocky arroyo 5 chs. wide to N.
- 35.00 Cross another dry and rocky arroyo $7\frac{1}{2}$ chs. wide, course N.
- 40.00 Set temporary $\frac{1}{4}$ section corner.
- 63.50 Cross ravine 15 lks wide.
- 79.30 Intersect the N and S line 33 lks. S. of corner of sections 10, 11, 14 and 15

From which corner I run

East on a true line between sections 11 and 14

Var. $13^{\circ} 54'$ East.

- 39.65 Set $\frac{1}{4}$ section post and charred stake in a irregular mound of rock 3 ft. base and 30 in. high
- 79.30 To corner of sections 11, 12, 13 and 14.

Land undulating.

Soil second rate generally.

From the corner of sections 2, 3, 10 and 11

North between sections 2 and 3

- 28.00 To top of ridge of hills bearing E and W
- 35.00 To N. base of high position of the Range and to rolling hills
- 40.00 Set temporary $\frac{1}{4}$ section post
- 80.84 Intersect the North boundary 15 lks. W. of corner of sections 2, 3, 34 and 35,

From which I run

South on a true line between sections 2 and 3

Var. $14^{\circ} 01'$ East.

- 40.84 Set $\frac{1}{4}$ section post and charred stake in mound with trench and pits as per instructions.
- 80.84 To corner of sections 2, 3, 10 and 11

Land hilly.

Soil principally second rate.

T. 4 N. R. 10 W. S.B.M.

Timber scattering Cedar. At about 65 chains on this
mile cross road, omitted in the number notable objects

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By

Henry Hancock

1855

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RE-SURVEY

Survey commence July 18, 1904 and executed with the
Heller and Brightly Transit No. 4690. The horizontal
limb is provided with 2 verniers placed opposite each
other reading to 30" on arc. The instrument was
adjusted and thoroughly tested and found correct before
commencing the work.

I proceed to the corner of sections 11, 12, 13 and 14,
T. 4 N., R. 10 W., S. B. M. and finding it impracticable
to observe Polaris from this corner I establish a
station 10 ft. N. of J. T. Mathis' house in the NE $\frac{1}{4}$
of section 11 - Lat. 34° 26' N., Long 117° 53' W. -
by carefully centering my instrument from a stake
driven in the ground with a tack center and at
11.40 P. M. L. M. T. I observe Polaris at Eastern elonga-
tion in accordance with manual of instructions and
mark a point in the line, this determined by a tack
in stake driven in the ground at 4 chs. N. of my station
July 19, 1904 at 7 A.M., l.m.t. I lay off the
azimuth of polaris 1° 28' to the W. and marked the
meridian thus determined with stake and tack W. of the point,
all established, I find the magnetic bearing of the true
meridian to be N. 15° 40' W.

The angle determined gives the magnetic decl. 15° 40' E. at
this point I deflect from the true meridian thus establish
and carry a blank line for course to the corner of sections
11, 12, 13 and 14, A juniper post $3\frac{1}{8}$ in. dia. plainly

T. 4 N. R. 10 W. S.B.M.

marked in a irregular mound, as described by the
Surveyor General, with bearing trees

Thence from said corner

East on a random line between sections 12 and 13

40.00 Set temporary $\frac{1}{4}$ section corner,

July 19, 1904

80.34 Intersect the Tp. line 30 lks. S. of the corner of
sections 12, 13,

An Oak post 4 in. sq., marked and witnessed as described
by the Surveyor General,

Thence I run

S. 89° 47' W. on a true line between sections 12 and 13
along rough ridge.

34.51 Top of high spur, course S. 10° W. and N. trending W

40.10 Cross sandy gulch course S. 40° W.

40.17 Set 4 x 4 Redwood post 3 ft. long, 24 in. in the ground
marked $\frac{1}{4}$ S. 12 on N and 13 on S faces.

In lieu of pits I raised irregular mound of granite
stone 2 $\frac{1}{2}$ ft. dia. at base around post.

55.34 Gulch, course S 10° W.

68.83 Foot of hills, course SE and NW

71.08 Dry wash course N 45° W.

72.42 Cross dry wash, to foot of bank.

72.12 Top of bank and cross level bottom.

80.34 To corner of sections 11, 12, 13 and 14.

Land mountainous and level.

Soil sandy and third rate.

Little vegetation. Bottom land thickly studded with

Yuca and scrub Cedar last 7.72

Mountainous land 68.83 chs.

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From the corner of sections 11, 12, 13 and 14, previously
described

North on a random line between sections 11 and 12

40.00 Set temporary $\frac{1}{4}$ section post.

T. 4 N. R. 10 W. S.B.M.

80.00 Set temporary corner although I make a careful and diligent search I cannot find any trace of a corner to sections 1, 2, 11 and 12, as described by the Surveyor-General: section post and charred stake in swamp. This place is now a dense Willow Grove,

July 21, 1904

I now proceed to the corner of sections 1, 6, 7 and 12, a Sycamore post marked and witnessed as described by the Surveyor General and run

West on a random line between sections 1 and 12.

To avoid cutting more than one line through a dense intervening Willow grove I place instrument on a high ridge 6 chs. E from the corner of sections 1, 6, 7 and 12. From the point the corner to sections 2, 3, 10 and 11 previously flagged is plainly visible. A line drawn between these two corners I carry through on fore and back sights.

40.04 To $\frac{1}{4}$ section corner, Cedar post 3 in. in dia. in good state of preservation marked and witnessed as described by the Surveyor General.

80.00 To point for corner of sections 1, 2, 11 and 12, I make another search but find no corner, set temporary corner,

July 22, 1904

I continue West between sections 2 and 11

80.22 In pass, temporary corner previously set, I check my course on the N and S line and find it to be correct.

120.00 I find no trace of corner, set temporary $\frac{1}{4}$ section corner

160.16 Intersect the corner to sections 2, 3, 10 and 11, A Cedar post 3 in. dia. marked and witnessed as described by the Surveyor General,

From which corner I run

T. 4 N. R. 10 W. S.B.M.

East on a true line between sections 2 and 11

17.38 Old fence course N and S and enter field,

July 23, 1904

40.04 Set 4 x 4 Redwood post 3 ft. long, 2 ft. in earth,
marked $\frac{1}{4}$ S 2 on N and 11 on S. faces and dug pits
18 x 18 x 12 in E. and W. of post 3 ft dist.

From which bears a

Willow tree 12 in. dia. N 45° W., 9 lks

Marked $\frac{1}{4}$ S.B.T.

40.28 Fence course N and S

50.92 The NE corner of J. T. Mathis' house bears S 7° 12' W.,
7.65 chs. dist.

56.92 Springs bears N 0° 07' E., 5 chs.

62.92 Leave field and enter Willow grove

67.56 Wire fence, course N 88° W.

69.07 Wire fence, course N and S

80.08 Set 4 x 4 Redwood post 3 ft. long, 2 ft. in ground,
marked

T. 4 N., S. 1 on NE

R. 10 W., S. 12 on SE.,

S 11 on SW

S 2 on NW faces

for corner of sections 1, 2, 11 and 12, with 5 notches
on the south and 1 notch on the east edges, raised mound
of earth 4 ft. base and 2 ft. high W. of post and dug
pits 18 x 18 x 12 in. in each section with 4 bearing
trees.

From this corner the point of my observation of Polaris
bears S 76° 45' W. 31.13 chs. dist.

Land first 17 chs. gentle east slope, gravelly second rate

Last 63.08 chs. bottom land, sandy loam, first rate.

Some scattering Yucca, Palms and Scrub Cedar in first
17 chs.

T. 4 N. R. 10 W. S. B. M.

From the corner of sections 1, 2, 11 and 12, previously described, I run

— East on a true line between sections 1 and 12,

Through dense Willow Grove.

129.36 1.96

To Willow Tree 24 in. dia.

225.06 3.41

To Willow tree 16 in. dia.

275.22 4.17

To Willow tree 24 in. dia.

392.04 5.94

To Willow tree 9 in. dia.

1848 28.00

Leave Willow grove

2642.64 40.04

To $\frac{1}{4}$ section corner previously described

3498 53.00

Gulch or baranca 20 ft. deep, 76 ft. wide, course N 70° E.

4823 73.08

Wagon road, course N 20° E. and S. 20° W.

5285.28 80.08

To corner of sections 1, 6, 7 and 12, previously described.

Land gravelly, first 28 chs. sandy loam. first rate.

Last 52.08 chs. second rate.

Some scattering Yucca last 27 chs.

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From the corner of sections 1, 2, 11 and 12, previously described,

North on a random line between sections 1 and 2

40.00

Set temporary $\frac{1}{4}$ section corner, after making careful

and diligent search for old $\frac{1}{4}$ section corner described

by the Surveyor General.

From which corner I run

80.06 Into Cor of Secs 1-2-35-36 a cedar post mhd + vert, as described by Sur. Gen. From which Cor. I run

South on a true line between sections 1 and 2

4.33

Wagon road, course S 15° E., and N. 15° W.

25.49

Wagon road, course S 70° E., and N. 70° W.

40.25

Set a 4 x 4 Redwood post 3 ft. long, 2 ft. in the ground

marked $\frac{1}{2}$ S. on W. face and dug pits 18 x 18 x 12 in.

N and S. of post 3 ft. dist. and raised mound of small

stones around post 2 ft. base and 1 ft. high, across Mesa

gently sloping North.

T. 4 N. R. 10 W. S.B.M.

- 62.69 Brow of hill
74.00 Wire fence at foot of hill course N 80° W. and S 80° E
74.35 Enter dense Willow grove
80.06 To corner of sections 1, 2, 11 and 12.

80 06
40 25

39 81

Land Mesa

Soil sandy second rate

Some scattering Yucca palms.

From the corner of sections 1, 2 11 and 12 which is a post
16 lks. and 14 lks. East of temporary corner

S 0°06' W, on a true line between sections 11 and 12

- 2.35 To willow 18 in. dia
5.51 To willow 8 in. dia.
9.57 To south side of Willow grove, course E and W
11.16 Wagon road course E and W
12.29 Foot of hill and ascend up rough mountain slope facing North
38.00 Sandy gulch course N.E.
39.93 Set a 4 x 4 redwood post 3 ft. long, 2 ft. in the ground for $\frac{1}{4}$
section corner, marked $\frac{1}{4}$ S. 11 on W. and 12 on E. face, I raised
mound of granite stone around post 2 $\frac{1}{2}$ ft. dia at base

Note: The mound of stone around the $\frac{1}{4}$ section corner post is
irregular in shape and does not cover the letter.

Pitts omitted on account of sandy soil.

From which a

Yucca Tree 8 in. dia. brs. N 38 $\frac{3}{4}$ ° E. 55 lks.
marked $\frac{1}{4}$ S 12 B.T.

Juniper tree in clump of Juniper trees 8 in. dia brs.
S 13 $\frac{1}{2}$ ° W 47 lks. marked $\frac{1}{4}$ S.B.T. 11

- 50.64 Up slope to brow of hill

- 54.13 Top of high hill course N 75° W and S 75° E and descend along steep side hill sloping S.W.
- 69.28 Foot of hill
- 73.22 Dry gulch 30 lks.wide, course N 80° W.
- 73.82 Foot of bank
- 74.51 Top of bank and cross level plain
- 79.84 To the corner of sections 11,12,13 and 14
Land mountainous and level
Soil sandy second rate.
First 12 chs.sandy loam,first rate
Some scattering scrub Cedar.
Mountainous 56.99 chs.

-----July 29,1904,William W. Allen

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Supplemental Field Notes
T. 4 N,R.10 W,S.B.M.

Survey commenced September 15,1905 and executed with the Heller and Brightly transit previously described at the corner of sections 11,12,13 and 14,which is a Juniper post 3½ ft.dia.plainly marked as described by the Surveyor General in irregular mound of stone,

From which bears a

(Cedar) Juniper 9 in.in a clump of Juniper trees N.52½°E.
79 lks. 52.1 Destroyed

With old marks T 4 N,R 10 W, S 12 B.T.

OR Juniper tree 5 in.dia.in a clump of Juniper trees S 64½° E, 26 lks.dist.marked T 4 N, R.10 W, S. 13 B.T. 17.7

Juniper tree 9 in.dia.in a clump of Juniper trees S.15½° W., 47 lks. 31.0
marked T 4 N, R. 10 W, S. 14 B.T.

Juniper tree 10 in. dia.in a clump of Juniper

Handwritten calculations:
79
47.4
42.4
52.1
26
15.6
17.16

Handwritten calculations:
47
28.2
28.2
31.02

12
732
79.2

trees N 48° W 120 lks. dist. marked T 4 N R. 10 W, S. 11 B.T. 792

Note: I find this corner in a good state of preservation with one bearing tree in section 12 as per official notes

The bearing tree in section 14 I could not find though I made a diligent search

I now proceed to the corner of sections 1, 2 11 and 12 which I set July 25, 1904 and re-establish it by setting a redwood post 3 ft. long, 4 in. sq, 24 in. in the ground marked,

T 4 N, S 1 on N.E.

R 10 W., S 12 on S.E.

S 2 on N W and

S 11 on S W faces

with 5 notches on the south and 1 notch on the east edges. dug pits 18 x 18 x 12 in. and raised mound of earth 4 ft base and 2 ft. high W of corner,

From which bears a

Willow tree 6 in. dia N 52½° E, 14 lks. 9.24

marked T 4 N, R 10 W, S 1. B.T.

Willow tree 9 in. dia S 40° E 25 lks. 16.50

marked T 4 N, R 10 W, S 12 B.T.

Willow tree 7 in. dia S 55½° W, 74 lks. 48.84

marked T 4 N, R. 10 W, S 11 B.T.

Willow tree 6 in. dia. N 29½° W 9 lks. 5.94

marked T 4 N, R 10 W, S 2 B.T.

thence I run

S 0° 06' W between sections 11 and 12 marking and blazing true line

- 2.35 To a willow tree 18 in. dia
- 5.51 To a willow tree 8 in. dia.
- 39.92 Re-set a redwood post 3 ft. long, 4 in. dia., 24 in. in the ground for ¼ section corner marked ¼ S. 11 on W. and 12 on E. face and raised mound of granite stone 2½ ft.

East between sections 2 and 11, marking and blazing true line
40.04 To the $\frac{1}{4}$ section corner set by me July 25, 1904 which I re-set
by setting a Redwood post 3 ft. long, 4 in. sq., 24 in. in the
ground marked $\frac{1}{4}$ S. 2 on N and 11 on S. face
dug pits 18 x 18 & 12 in. E and W. of post 3 ft. dist.

From which bears a

Willow tree 12 in. dia N 45° W 9 lks.

80.08 To the corner of sections 1, 2, 11 and 12 previously described.

From the corner of sections 1, 2, 11 and 12 previously described
East between sections 1 and 12 marking and blazing true line

1.96 To a Willow tree 24 in. dia

3.41 To a Willow tree 16 in. dia.

4.17 To a Willow tree 24 in. dia

5.94 To a Willow tree 9 in. dia.

40.04 To the $\frac{1}{4}$ section corner, a Juniper stake, I re-establish the
corner by setting a Redwood post 3 ft. long, 4 in. sq. 24 in. in
the ground for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ S. 1 on N. and 12 on
S. faces, dug pits 18 x 18 x 12 in. E. and W of post 3 ft. dist. and
raised irregular mound of rock 2 $\frac{1}{2}$ ft. dia. at base around post,

From which bears a

Yucca tree 8 in. dia N. 59 $\frac{1}{2}$ ° E, 213 lks. marked $\frac{1}{4}$ S. B. T.

Yucca tree 10 in. dia at foot of low hills,

N 24° W. 238 lks. —

marked $\frac{1}{4}$ S. 1 B. T.

80.00 The corner of sections 1, 6, 7 and 12 marked and
witnessed as described by the Surveyor General.

William W. Allen, 1905.