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Washington, D. C.

R.13W.

T.3N.

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

T.3N.

R.13W.

Subdivision of T. 3 N., R. 13 W., S.B.M.

Chains.

From the true point for cor. of secs. 4,5,32 and 33, on S. bdy of T. 3 N., R. 13 W., I run N. 0°1'E. bet. secs. 32 and 33, taking the azimuth obtained from Polaris on Sept. 16, and previously described. Ascend precipitously.

- 7.70 High ridge, bears E and W. and W.C of secs. 4,5,32 and 33 previously described.
Descend steeply through heavy undergrowth.
- 24.00 Foot of mt. bears S. 75°E.
- 26.00 Road, bears S. 75°E.
- 26.50 Tujunga Creek, 30 lks. wide, course W., ascend.
- 36.00 Hillock 30 ft. above canon; descend.
- 40.00 A willow, 5 ins. dia. for 1/4 sec. cor., I mark 1/4 S 32 on W. and 33 on E., from which An alder 10 ins. dia. bears N. 87°E 202 lks. dist., marked 1/4 S 33 B T.
A cottonwood, 6 ins. dia. bears S. 55°45' W. 41 lks. dist., marked 1/4 S 32 B T.
- 40.30 Trial Canon Creek, 6 lks. wide, course SE.; ascend.

Sept. 25, 1909.

- 44.30 Enter chamisal, covered mesa.
- 46.50 Leave chamisal covered mesa; descend.
- 49.80 Enter canon bottom, course E.
- 60.00 Foot of high ridge; ascend.
- 64.50 Summit of high ridge, bears E. and W., descend.
- 71.00 Canon, course E., ascend.
- 80.00 Set a granite stone, 18x12x6 ins. 15 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky.
Timber, brush.
Mountainous land and exceptionally difficult to survey,
80.00 chs.

Sept. 26, 1909.

From the true pt. for cor. of secs. 5, 6, 31 and 32, on the S. bdy. of T. 3 N., R. 13 W., I run N. 0° 1' E. bet. secs. 31 and 32.
Ascend steeply and precipitously.

Subdivision of T. 3 N., R. 13 W., S.B.M.

- 4.50 Ridge, bears N. 60°W. and S. 60°E., descend.
7.00 Broken, brushy canon, course N. 65°W., ascend.
10.00 Enter Bryant's field, bears E.
20.00 A point from which Bryant's house bears S. 85°W. 200 links dist.
20.30 Top of steep bluff, 50 ft. high, bears E. and W. Descend.
22.50 Road, bears E. and W.
22.70 Covered flume, carrying water to Sunland, bears E. and W.
23.50 Canal, 5 lks. wide, course W.
24.60 Tujunga Creek, 40 lks. wide, course W.
25.50 Foot of precipice, 75 ft. high, bears E. and W.
28.00 Upper rim of precipice. Ascend steeply.
39.85 Sharp spur, bears NW. and SE. Descend steeply.
40.00 Falls on a slope too steep for the safe setting of a cor. I therefore return to
39.85 Set an iron pipe, 3 ft. long, 2 ins. dia. 14 ins. in the ground, for witness to 1/4 sec. cor., punched WC on E. and 1/4 on W. side, from which
An ironwood, 10 ins. dia. bears N. 50°W. 48 links dist., marked WC 1/4 S 31 B T.
An ironwood, 4 ins. dia. bears N. 1°E. 26 links dist. marked WC 1/4 S 32 B T.
The land to the North is extremely precipitous and broken by canons and gorges; it is absolutely non-agricultural, I therefore do not run further north.
Land, mountainous.
Soil, 3d to 5th rate.
Timber, brush.
Mountainous land and exceptionally difficult to survey, 40. chs.

Sept. 27, 1909.

- From the cor. of secs. 28, 29, 32 and 33, I run West, bet. secs. 29 and 32. Descend gradually along the S. slope of a high ridge.
14.70 Gully, course SE., ascend.
19.00 Brow of main ridge, bears NW. and SE. Ascend along ridge.
26.41 Top of ridge, bears NW. and SE., also rim of very precipitous canon, about 250 feet deep. The point for true cor. falls in this canon, which is neither accessible nor safe for cor. At this pt., 26.41 I therefore

Subdivision of T. 3 N., R. 13 W. S.B.M.

Set a granite stone, 28x12x5 ins., 18 ins. in the ground, for witness to 1/4 sec. cor., marked W C and 1/4 on N. face, and raise a mound of stone, 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

Sept. 28, 1909.

Being unable to run further W. on account of the ruggedness of the land, I return to the true pt. for 1/4 sec. cor. bet. secs. 31 and 32, and thence I run East, through the center of sec. 32.

Descend precipitously.

17.00 Gold canon, course S., ascend.
22.00 Ridge, bears NW. and SE., descend.
27.00 Gulch, course NW., ascend.
29.80 Saddle in ridge, bears NE. and SW., descend.
35.00 A flat, about 12x15 chs., bears S.
40.00 True point for center sec. 32, falls on a very precipitous slope, quite unsafe for cor. As there is a W.C. 20 chs S. of this pt., and another to N. is to be set, I do not set a W.C. for center sec. 32.

Sept. 29, 1909.

Thence I run

N. 0°1'E. through the center of secs. 32, ascend.

2.00 Rim of steep slope; descend.
10.00 Canon, course E., ascend.
15.50 Ridge, bears NW and SE., descend.
17.00 Canon, 200 ft. deep, course W., ascend.
19.00 Ridge, bears NE. and SW., descend.
21.50 Canon, 100 ft. deep, course S. 70°W., ascend.
27.50 Ridge, bears NE. and SW., descend.
35.00 Gulley, course N. 60°E., ascend.
37.30 Ridge, bears NE and SW. Being unable to run further N. on account of precipitous drops, I
Set a granite stone 18x12x6 ins. 12 ins. in the ground, for witness to 1/4 sec., cor., marked 1/4 W C on N. face; and raise a stone md., 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky.

Timber, brush.

Mountainous land and exceptionally difficult to survey, 103.71 chs.

Sept. 30, 1909.

Subdivision of T. 3 N., R. 13 W., S.B.M.

Chains.

Being unable to run the N. bdy. of sec. 31, on account of impassable canons, and there being no agricultural land in this section outside the SE $\frac{1}{4}$, I run the

Bds. of this $\frac{1}{4}$ sec.

From the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31, on the N. bdy. of T. 2 N., R. 13 W., previously described, I run

N. 0°1'E. through the middle of sec. 31.

Descend precipitously.

- 1.10 Tujunga Creek, 30 lks. wide, course SW.
- 5.90 Road, bears N. 65°E. and S. 65° W. This is also the extreme high water line.
- 11.80 Leave canon, ascend precipitously.
- 14.50 Ridge, bears E. and W., descend. Oct. 1, 1909.
- 30.50 Canon, course SE., ascend.
- 40.00 Ridge, bears NW and SE.
Set a granite rock, 22x8x6 ins. 14 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. race and raise a mound of stone, 3 ft. base, 2 ft. high W of cor. Pits impracticable.
Oct. 2, 1909.
- Thence I run
E. on a random line through the center of sec. 31.
- 39.90 True pt. for $\frac{1}{4}$ sec. cor. bet. secs. 31 and 32.
Thence I run
W. on a true line, through the center of sec. 31.
- 0.75 Ridge, bears N.W. and SE., descend.
Descend steeply, 300 ft. along S. edge of foothills.
Oct. 5, 1909.
- 25.00 Mouth of abandoned mine bears S. 5 chs. dist., a flat of some 20 acres bears S. bet. the foothills and the road; ascend.
- 39.90 Cor. for center of sec. 31, previously described, on top of ridge, bearing NW. and SE.
Land, mountainous.
Soil, 5th rate.
No timber.
Mountainous land and exceptionally difficult to survey,
79.90 chs. Oct. 6, 1909

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Subdivision of T. 3 N., R. 13 W., SB M.

The N. and E. bds. of sec 33, are unsurveyable, because of impassable canons and precipices. In order to survey the S. 1/2 of sec. 33, I run N and E. through the center of the sec.

From the 1/4 sec. cor. bet. secs. 4 and 33 on the N. bdy. of T. 2 N., R. 13 W., I run

N. 0°2'E. through the center of sec. 33.

- 4.75 Tujunga Creek, 40 lks. wide, course W.
- 5.00 Road, bears E. and W.
- 5.30 Irrigation ditch, 4 lks. wide, course W.
- 5.50 Old trail at foot of steep Hill, bears E. and W., ascend.

Oct. 7, 1909.

- 12.50 Brow of high high hill bears E. and W. thence along the E. slope of high spur.
- 31.00 Saddle in spur, bears N. 15°E. and S. 15°W. Enter cleared field of about 2 acres.
- 33.00 Leave cleared field. Descend steeply.
- 37.20 Gully, course S. 85° W., ascend.
- 40.00 Spur, bears S. 80°W. and N. 80°E.

Set a squared redwood post, 3 ft. long, 3x4 ins. in cross section, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S 33 on E. and W. faces, and deposit a pint of glass under post, and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, W of cor. Pits impracticable and no stone of required size available.

Oct. 8, 1909.

Thence I run

W. on a random line, through the center of sec. 33

- 40.15 Fall 11 lks. S. of 1/4 sec. cor. bet. secs. 32 and 33. Thence I run - S. 89°51'E on a true line through the center of sec. 33

Oct. 9, 1909.

- 3.40 Trail Canon Creek, 10 lks. wide, course S.
- 6.00 Begin steep ascent.
- 13.00 W. edge of ridge, bears N. and S.
- 14.90 Center of ridge.
- 17.00 E. edge of ridge; descend steeply
- 20.20 Canon, course S., ascend.
- 27.00 Saddle of ridge, bears S. 20°E. and N. 20°W. Descend.

Subdivision of T. 3 N., R. 13 W., S.B.M.

- 31.00 Canon, course S., ascend.
- 35.00 Ridge, bears N. and S., descend.
- 38.00 Gully, course S., ascend.
- 40.15 Cor. for center of sec. 33, previously described.
Land, mountainous.
Soil, 2d to 5th rate.
Timber, brush.
Mountainous land and exceptionally difficult to survey,

80.15 chs.

Oct. 10, 1909.

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Louis Ross,
U.S. Deputy Surveyor.