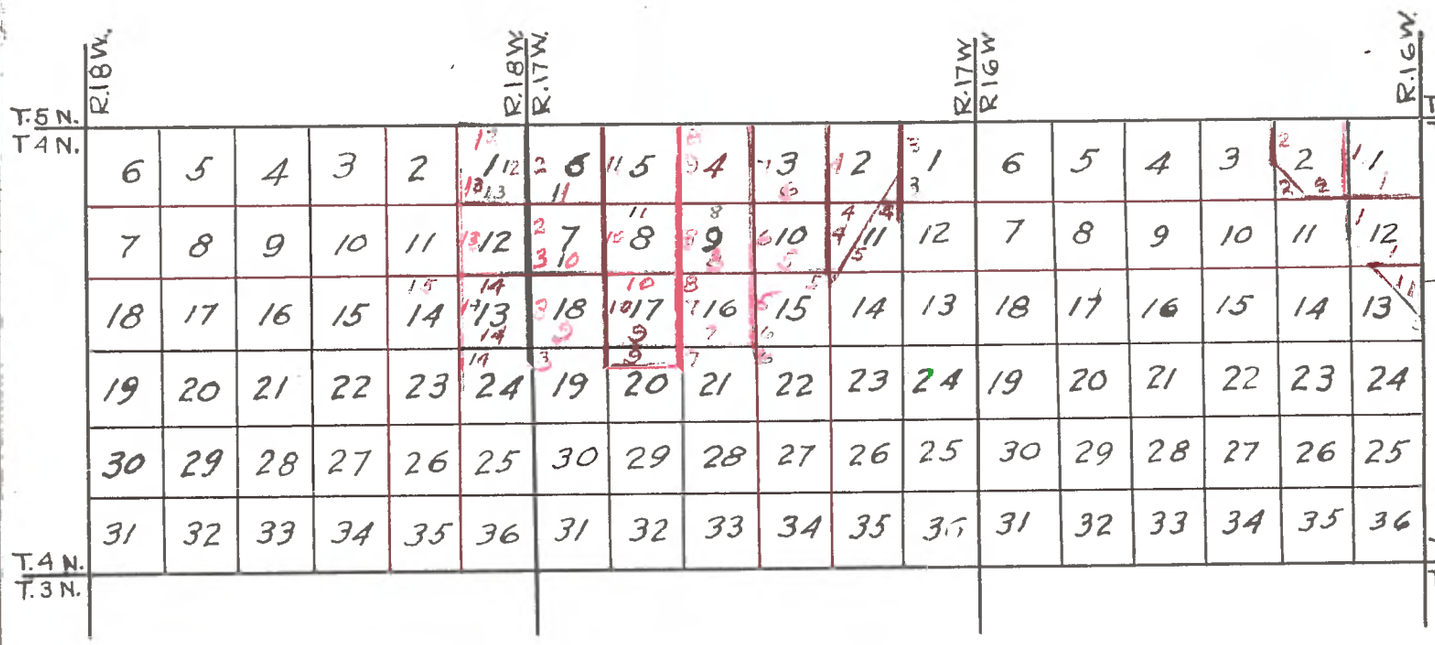
FILED DATA NO. 9105



The attached notes are field notes shown red
lined in plat & show page numbers

U.S. 9094 Govt. Field Notes T.4N.R.18W.

T. 4 N., R.16 W. S.B.M.

From the cor.to secs. 7,12,13,18,on the E.B.of the Tp.
I run
West on true line bet. frac.secs. 12 & 13.

Va.14°40'E.

40.00 Set an oak post 3 x 3 in. 3 ft.long in a mound of rocks as ins.for ¼ sec.cor.

52.60 Int.the E.B.of the Rancho San Francisco and set a wild cherry post 4 x 4 in. 3½ ft.long in a mound of rocks on sidehill, facing W. as ins. for cor.to frac.secs. 12 and 13,
From this cor. I run
S. 41°E. along the NE. bdy.of said rancho

Va.14°40'E.

80.54 To cor. No.7 of the final survey of said rancho.
Land rolling, 2nd.rate grazing.

From the true cor.to secs. 1,12,6,7 on the E.B.of the Tp.
I run
West on true line bet. secs. 1 and 12.

Va.14°40'E.

1.50 Leave wash course S. ascend.
18.00 Leave valley bearing NE.& SW.& ascend hill.
24.50 Summit of hill,thence over same.
38.50 Descend steep rocky bluff.
40.00 Foot of bluff enter valley bearing N. & S.and set a white oak post 3 x 3 in.3 ft.long in a large mound of rocks, on the E. side of valley at foot of high bluff as ins. for ¼ sec.cor.
43.50 Cross gulch 1.00 ch.wide, course S.
56.00 Leave valley and ascend hills,bearing N.& S.
75.50 Summit of spur bearing NW.& SE.
80.00 Set a granite rock 16 x 12 x 6 in.in a mound of rocks as ins. for cor.to secs. 1, 2, 11, 12.
Land over high hills,valley 1st.rate, hills 2nd.rate with scattering timber, wild cherry and live oak.

Nov.24-1876.

South on true line bet.secs. 11 and 12. Va.14°40'E.

31.00 Enter valley,thence down same.
40.00 Set a cottonwood post 3 x 3 in. 3 ft.long in a mound of rocks as ins.for ¼ sec.cor.on the W.side of small valley coming from the N.
48.70 Set a cottonwood post 4 x 4 in. 3½ ft.long in a mound of rocks on side hill facing SE.as ins.for cor.to frac.secs.11& 12.

OK!

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per Bureau of Land Management 9/7/65 (Plat is in error).

From the cor.to secs. 1,2,11,12, I run
North on random line bet. secs.1 and 2

Va.14°40'E.

28.00 Cross gulch 50 lks.wide course SE. Ascend.
40.00 Set post for temp. ¼ sec.cor.
76.75 Int.the N.B.of the Tp. 42 lks.E.of the cor.,to secs.1 & 2 from which cor.I run
S. 19'E. on true line bet.secs. 1 and 2.

Tmp. Plat shows McGAHEE Branch Tr.

Va.14°40'E.

36.75 Set an oak post 3 x 3 in. 3 ft.long in a mound of rocks as ins.for ¼ sec.cor.
76.85. The cor.to secs. 1,~~12~~,11,12.
Land rolling, 2nd.~~rate~~ and 3rd.rate,with oak timber in Canadas.

West on true line bet.secs. 2 and 11. Va.14°40'E.

40.00 Set an oak post 3 x 3 in. 3 ft.long in mound of rocks as ins. for ¼ sec.cor.

41.50 Int. the NE.bdy.of the Rancho San Francisco. Set an oak post 3 x 3 in. 3 ft.long in a mound of rocks as ins.for cor.to frac.secs. 2 & 11,from which cor.I run N. 41°W.along the line of said rancho Va.14°40'E.

2.36 To post in stone mound marked S.F.No.8 being cor. No.8 of the final survey of said rancho.

Land rough, 2nd.rate.

From the true cor.to secs. 2 and 3 on the N.B.of Tp. I run South on true line bet. secs. 2 and 3.

Va.14°40'E.

Ascending.

3.00 Summit of spur bearing E.& W.,thence descending

12.50 Cross small gulch course E.

18.96 Int.the NE.bdy.of the Rancho San Francisco. Set an oak post 3 x 3 in. 3 ft.long in a mound of rocks as ins. for cor.to frac. secs. 2 and 3.

From this cor.I run S. 34°20'E. along the line of said rancho.

Va.14°40'EE

67.40 To cor.No.8 of the final survey of said rancho.

Land rolling, 2nd.rate,grazing with oak timber in Canadas.

This surveys all the government land in this Tp.

Nov.25,1876

W.H.Norway

Vol.164-5
G.B.J.

W. B. T. 4 N., R.17 W. S.B.M.

This township being fractional,I run it S. From the corner to township 4 and 5 N.,R.17 and 18 W. I run S.on a true line bet-secs. 1 and 6.

Var.14°25E.

Ascend

3.00 Top of spur bears E. and W.and descend

37.00 Cross gulch 10 lks.wide,course W.and ascend.

40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above stone mound, 4 ft.in dia.at base by 2 ft. in height for ¼ sec.cor.

63.00 Summit of ridge bears E. and W.

64.00 To edge of perpendicular bluff. Not being able to continue on the line, I set post 4 in.square,1 ft.in earth, 1 ft.above stone mound, 4½ ft.in dia.at base by 2 ft.in height for witness to corner to secs. 6,7,1 and 12. I here run an offset line E.,5.00 chs.,then S. 16.00 chs.to a point along E.side of Wash Bluff,then W., 5.00 chs. to a point,from which my witness post bears N.

80.00 Set post 4 in.square, 1 ft.in earth, 1 ft.above earth mound 4½ ft. in dia.at base by 2 ft.in height and dug pits 24 x 18 x 12,8 lks. dist.,at 4 angles,for cor.to secs. 6,7,1 and 12.

Land mountainous. Soil 2nd.rate.

Timber and undergrowth of live oak and chaparral.

S.on a true line between secs. 7 and 12. Var.14°25'E.

Descend.

34.50 A spring bears W. about 50 lks. dist.

37.00 House of Del Valle,bears W. about 1.50 chs.

40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound, 4 ft. in dia.at base by 2 ft.in height,and dug pit 24 x 18 x 12, 8 lks. E.for ¼ sec.cor.inside of sheep corral of Del Valle.
44.50 Cross wash 25 lks.wide, course W.and ascend.
80.00 Set post 4 in.square, 1 ft.in earth, 1 ft.above earth mound,4½ ft. in dia.at base by 2 ft.in height,and dug pits,24 x 18 x 12, 8 lks. dist.,at 4 angles for corner to secs. 12,13,7 and 18.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

S. between secs. 13 and 18. Var.14°25'E.
Ascend.
20.00 Summit of spur bears N.W.and S.E.
29.92 Top of spur bears E.and W.and descend.
40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound, 4 ft. in dia.at base by 2 ft.in height and dug pit 24 x 18 x 12, 8 lks. for ¼ sec.cor.
44.50 Cross near head of gulch, course E.
62.75 Cross near head of gulch, course N.E.and ascend.
79.00 Summit of spur bears E. and W. and descend.
80.00 Set post 4 in.square, 1 ft.in earth 1 ft.above earth mound,4½ ft. in dia.,at base by 2 ft.in height and dug pits, 24 x 18 x 12, 8 lks.dist.at 4 angles,for corner to secs.13,24,18 and 19.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chapparrel.
Dec.2,1879.

S. between secs. 19 and 24. Var. 14°25'E.
22.73 Intersect the northern boundary of Rancho San Francisco ,as resurveyed by me, 271.71 chs. S.,86½°W.of cor. No.11 of the final survey of said rancho.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

T. 4 N., R. 17 W., S.B.M.

This township being fractional, I find it necessary to begin the survey on the north boundary of the township,and run the line south, S.on a true line between secs. 1 and 2.
Var.14°25'E.

From true corner,
27.50 Enter canada, bears S.E.and N.W.
33.00 Leave same and ascend.
40.00 Set post 4 in. dia.,1 ft.in earth, 1 ft.above stone mound, 4 ft. in dia.at base by 2 ft.in height for ¼ sec.cor.
56.77 Intersect N.B.of rancho San Francisco and set post 4 in.square, 1 ft.in earth. 1 ft.above stone mound, 4½ ft.in dia.at base by 2 ft.in height for corner to fractional secs. 1 and 2,from which corner I run along N.boundary of said rancho(as surveyed by me) N.33°45'E. 70.10 chs.,to corner to fractional sections 1 and 36, thence through Rancho San Francisco.
80.00 Set post 4 in.square, 1 ft.in earth, 1 ft.above earth mound 4½ ft.in dia.at base by 2 ft.in height and dug pits 24 x 18 x 12, 8 lks.dist.at 4 angles for corner to secs. 1, 2,11 and 12 inside Rancho S.F.
Land mountainous, except in canada.
Soil 1st.and 2nd.rate. Timber and undergrowth of live oak and chaparral.

W. on a true line between secs. 2 and 11.

Var.14°25'E.

16.01 Intersect N.B.of Rancho San Francisco, 26.20 chs. S. 33°45'W.of corner to fractional secs. 1 and 2 (as re-surveyed by me) and set post 4 in.square, 1 ft.in earth,1 ft.above stone mound,4½ ft.in dia.at base by 2 ft.in height for corner to fractional secs. 2 and 11.
22.00 Enter canada bears N.W.and S.E.
40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above stone mound, 4 ft. in dia.at base by 2 ft.in height for ¼ sec.cor.
48.50 Cross gulch, 50 lks.wide, course S.E.
58.00 Leave canada, bears N.W.and S.E.and ascend.
80.00 Set post 4 in. square,1 ft.in earth, 1 ft.above stone mound 4½ ft.in dia. at base by 2 ft.in height for corner to secs. 2,3, 10 and 11.
Land mountainous,except in valley. Soil 1st.and 2nd.rate.
Timber and undergrowth of live oak and chaparral.

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

Var.14°25'E.

Descend.
14.00 Enter valley bears N.W.and S.E.
19.75 Cross wash, 50 lks.wide,course S.E.
Leave valley, bears N.W.& S.E.and ascend.
40.00 Set temporary ¼ sec.cor.
80.13 Intersect N.B.of Tp. 12 lks. E.of corner to secs. 2 and 3,from which corner I run S. 0°5'E.on a true line between secs. 2 and 3.

Var.14°25'E.

40.13 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound, 4 ft. in dia.at base by 2 ft.in height and dug pits 24 x 18 x 12, 8 lks. E. for ¼ sec.cor.
80.13 The corner to secs. 2,3,10 and 11
Land mountainous, except in valley.
Soil 1st.and 2nd.rate.
Timber and undergrowth of live oak and chaparral.

S. between secs. 10 and 11. Var.14°25'E.

Ascend.
6.00 Top of ridge bears E.and W.and descend.
17.00 A house bears E.about 15.00 chs.dist.
32.00 Cross gulch 10lks.wide,course E.
40.00 Set post 4 in.dia.,1 ft.in earth,1 ft.above earth mound, 4 ft.in dia. at base by 2 ft.in height and dug pit 24 x 18 x 12, 8 lks.E. for ¼ sec.cor.and ascend.
59.50 Summit of spur bears E. and W. and descend.
67.50 Top of rough spur,thence along same.
80.00 Set post 4 in.square,1 ft.in earth, 1 ft.above earth mound 4½ ft. in dia. at base by 2 ft.in height,and dug pits 24 x 18 x 12, 8 lks. dist.at 4 angles for corner to secs. 10,11,14 and 15.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

As the line between ecs.11 and 14 will strike the N.W.boundary of Rancho San Francisco in less than 80.00 chs.,I therefore run it a true line E.on a true line between secs.11 and 14.

Var.14°25'E.

9.74 Intersect N.W.boundary of Rancho San Francisco and set post 4 in.square, 1 ft.in earth, 1 ft.above stone mound 4½ ft.in dia. at base by 2 ft.in height for corner to fractional sections 11 and 14, from which corner I run along N.W.boundary of said Rancho (as re-surveyed by me) N.33°45'E.,95.12 chs.to corner to fractional secs. 2 and 11.
Land mountainous. Soil 1st.and 2nd.rate.
Timber and undergrowth of live oak and chaparral.

June 2,1880.

From the cor.to secs. 10,11,14 and 15, I run S.between secs. 14 and 15.

Var.14°25'E.

Descend.

12.80 Intersect N.W.boundary of Rancho San Francisco,and set post 4 in. square, 1ft.in earth, 1 ft.above stone mound 4½ ft.in dia.at base by 2 ft.in height for corner to fractional secs.14 and 15,from which corner I run along N.W.boundary of said Rancho(as re-surveyed by me) N.33°45'E. 14.94 chains to corner to fractional secs.11 & 14.
Land mountainous; Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

From the corner to secs. 10,11,14 and 15, I run W.on a true line between secs.10 and 15.

Var.14°25'E.

Over broken ridges and spurs.

40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above stone mound 4 ft. in dia.at base by 2 ft.in height for ¼ sec.cor.

69.50 Enter valley bears N.and S.

72.25 Cross wash, 75 lks.wide, course S.

73.00 Cross road, bears N.and S.

80.00 Set post 4 in.square,1 ft.in earth, 1 ft.above stone mound 4½ ft. in dia.at base by 2 ft.in height for corner to secs.9,10,15 and 16.
Timber and undergrowth of live oak and chaparral..
Land mountainous,Soil 2nd.rate.

S. between secs. 15 and 16.

Var.14°25'E.

Down Canada San Martini

15.00 Cross road bears N. 10°E.and S. 10°W.

18.00 Enter wash of Canada,then down same.

31.00 Leave same and ascend.

35.00 Cross road bears N.10° W.and S. 10° E.

40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above stone mound, 4 ft.in dia.,at base by 2 ft.in height for ¼ sec.cor.

80.00 The point for corner to secs. 15,16,21 and 22,falling in deep wash, a place not suitable to build mound, I continue S. 39 lks.and set post 4 in.square, 1 ft.in earth, 1 ft.above earth mound 4½ ft.in dia.at base by 2 ft.in height and dug pits 24 x 18 x 12, 8 lks. dist. at 4 angles for witness post to said corner.
Land mostly in canada. Soil 1st.rate.
Timber and undergrowth of live oak and underbrush..

E.on a true line between secs. 15 and 22.

Var.14°25'E.

1.50 Enter Canada San Martini,bears N.and S.
2.60 Cross wash in same, 50 lks.wide,course S.
15.00 Leave canada, bears N.and S. and ascend.
36.68 Intersect N.W.boundary of Rancho San Francisco, 6.50 chs. N.33° 45'E. of corner No.10 of the final survey of said Rancho and set post 4 in.square, 1 ft.in earth, 1 ft.above stone mound 4½ ft.in dia. at base by 2 ft.in height for corner to fractional secs.15&22.
Land rolling valleys, mountainous elsewhere.
Soil 1st.and 2nd.rate.
Timber and undergrowth of live oak and chaparral.

Jan.3rd'1880

From the corner to secs. 15,16,21 and 22,I run S. between secs. 21 and 22, Var.16°25'E.

7.65 Set post 4 in.square,1 ft.in earth 1 ft.above earth mound, 4½ ft. in dia.at base by 2 ft.in height and dug pits 24 x 18 x 12, 8 lks. dist.at 4 angles for corner to fractional secs. 21 and 22, from which corner I run along N.B.of said Rancho(as re-surveyed by me) N. 86½° E.,33.33 chs.to corner No.11 of the final survey of said Rancho. Land mostly in canada. Soil 1st.rate.
Timber and undergrowth of live oak and chaparral.

From the corner to secs. 9,10,15 and 16,I run N. N
between secs. 9 and 10.

Var.14°25'E.

Descend.
37.50 Cross gulch 10 lks.wide,course S.E.and enter canada.
38.00 Cross road and fence, bears N.W.and S.E.
40.00 Set post 4 in.dia.,1 ft.in earth, 1f t.above earth mound 4 ft.in dia.at base by 2 ft.in height and dug pit 24 x 18 x 12, 8 lks. E. for ¼ sec.cor.,form which bears
Live oak 48 in.dia. N.88°E.,58 lks.dist.
Live oak 30 in.dia. N.52°50'W.,339.lks.dist.
40.50 Cross road, bears N.E.and N.W.
42.00 Leave canada and ascend.
80.00 Set post 4 in.square, 1 ft.in earth, 1 ft'above stone mound 4½ ft. in dia.at base by 2 ft.in height for corner to secs 3, 4, 9 and 10.
Land rolling valley, mountainous elsewhere.
Soil 1st.and 2nd.rate. Timber and undergrowth of live oak and chaparral.

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

Var.14°25'E.

Ascend.
40.00 Set temporary ¼ sec.cor.
41.50 Summit of spur bears N.and S.
68.50 Summit of high ridge,bears S.E.and N.W.and descend.
78.86 Intersect N.and S. line, 21 lks. E.of corner to secs. 2,3,10 & 11, from which corner I run N.89°51'W. on a true line between secs. 3 and 10.

Var.14°25'E.

39.93 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound 4 ft.in dia.at base by 2 ft.in height and dug pit 24 x 18 x 12, 8 lks. N. for ¼ sec.cor.
79.86 The corner to secs. 3,4, 9 and 10.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

Jan.5th.1880.

N.on a random line between secs. 3 and 4.

Var.14°25'E.

Ascend.

3.50 Summit of ridge,bears E.and W.and descend.
40.00 Set temporary ¼ sec.cor.
53.00 Enter canada, bears N.W.and S.E.
60.00 Cross wash in same, 50 lks.wide, course S.E.
75.00 Leave canada, bears N.W.and S.E.and ascend.
79.88 Intersect N.B.of Tp.,17 lks. W.of corner to secs.3 and 4,from which corner I run S.0°7'W.on a true line between secs.3 and 4.

Var.14°25'E.

39.88 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound 4 ft. in dia,at base by 2 ft.in height and dug pit 24 x 18 x 12, 8 lks. E.for ¼ sec.cor.
79.88 The corner to secs. 3,4,9 and 10.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

Jan.5th.1880

From the corner to secs. 15,16,21 and 22, I run W. on a true line between secs.16 and 21.

Var.14°25'E.

Descend.

40.00 Set post 4 in.dia.,1 ft.in earth,1 ft.above stone mound 4 ft.in dia: at base by 2 ft.in height for ¼ sec.cor.
46.50 Enter Canada, bears N.and S.
50.70 Cross gulch 10 lks. wide, course S.
58.00 Leave canada, bears N. and S.,and ascend.
80.00 Set post 4 in.square, 2 ft.in earth, 2 ft.above for corner to secs. 16,17,20 and 21
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

S.between secs. 20 and 21.

Var.14°25'E.

12.89. Intersect N.B.of Rancho San Francisco,(as re-surveyed by me) and set post 4 in.square, 1 ft.in earth, 1 ft. above earth mound 4½ ft.in dia. at base by 2 ft.in height,and dug pits 24 x 18 x 12, 8 lks. dist.at 4 angles for corner to fractional sections 20 and 21,from which corner I run N. 86½° E.,80.17 chs. to corner to secs. 21 and 22.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

From the corner to secs. 16,17,20 and 21,I run N.between secs. 16 and 17.

Var.14°25'E.

Descend.

27.50 Enter Canada, bears E.and W.
31.00 Cross gulch 50 lks. wide,course E.
37.50 Leave canada, bears E.and W. and ascend.
40.00 Set post 4 in.dia.,1 ft.in earth,1 ft.above stone mound 4 ft. in dia.,at base by 2 ft.in height for ¼ sec,cor,and continue ascent.

80.00 Set post 4 in.square, 1 ft.in earth, 1 ft.above earth mound 4½ ft.in dia.at base 2 ft.in height and dug pits 24 x 18 x 12, 8 lks.dist.at ¼ angles for corner to secs. 8,9,16 and 17.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

Jan.6th.1880

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

Var.14°25'E.

Ascend.
40.00 Set temporary ¼ sec.cor.
41.50 Summit of spur bears N. & S.& descend.
79.82 Intersect N.& S.line 27 lks. N.of corner to secs. 9,10,15 & 16, from which corner I run N. 89°49'W.on true line between secs.9 & 16'
Var.14°25'E.
39.91. Set post 4 in.dia.,1 ft.in earth,1 ft.above earth mound 4 ft.in dia. at base by 2 ft.in height and dug pits 24 x 18 x 12. 8 lks.N.for ¼ sec.cor.
79.82 The corner to secs. 8,9,16 and 17.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

N.between secs. 8 and 9.

Var.16°25'E.

Ascend.
20.00 Summit of spur bears E.and W.and descend.
40.00 Set post 4 in. dia.,1 ft.in earth, 1 ft.above stone mound 4 ft. in dia.at base by 2 ft.in height for ¼ sec.cor.
56.00 A valley bears E. and W.
60.75 Cross gulch 20 lks'wide, course S.E.
75.00 Cross gulch 15 lks.wide, course S.E.and ascend
80.00 Marked a double live oak tree, 48 in.dia.,for corner to secs. 4,5,8 and 9.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

E.on a randon line between secs. 4 and 9.

Var.14°25'E.

Along S. slope of high mountain.
40.00 Set temporary ¼ sec.cor.
55.00 A house bears S. about 18.00 chs.dist.
80.00 Intersect N,and S.line 10 lks. N.of corner to secs. 3,4,9 and 10, from which corner I run N.89°56'W.on a true line between secs.4 &9.
Var.14°25'E.
40.00 The point for ¼ sec.cor.falling in deep wash,a place not suitable to build mound I proceed 1.90 chs.W.and set post 4 in.dia.,1ft. in earth, 1 ft.above earth mound 4 ft.in dia. at base by 2 ft.in height and dug pit 24 x 18 x 12, 8 lks. N.for witness post to ¼ sec.cor.
80.00 The corner to secs. 4,5 8 and 9.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

N.on a randon line between secs. 4 and 5.

Var.14°25'E.

Along E.side of canada and E.side of lands claimed by H.H.Turner.
11.00 Leave canada and ascend . 726
16.50 Enter canada, bears N.E.and S.W. 1089

1170
1176
729.36

N. bet 4 & 5

19.75 Leave same and ascend. 1303.5
25.00 H.H.Turner's house, bears W. about 18.00 chs. dist. 1650
40.00 Summit of high spur, bears N.W. and S.E., set temporary ¼ sec. cor., and descend. 2640
78.00 A canada bears E. and W. 5148 Does not pay he crosses it -
79.96 Intersect N.B. of Tp. 14 lks. W. of corner to secs. 4 and 5, from which corner I run S. 0° 06' W. on a true line between secs. 4 & 5.
5277.36
Var. 14°25' E.
39.96 Set post 4 in. dia., 1 ft. in earth, 1 ft. above earth mound 4 ft. in dia. at base by 2 ft. in height, and dug pit 24 x 18 x 12, 8 lks. E. for ¼ sec. cor.
79.96 The corner to secs. 4, 5, 8 and 9
Land rolling valleys, mountainous elsewhere.
Soil 1st. and 2nd. rate.
Timber and undergrowth of live oak and chaparral.

Jan. 7th. 1880.

From the corner to secs. 16, 17, 20 and 21, I run W. on a true line between secs. 17 and 20.

Var. 14°25' E.

Ascend.
4.00 Summit of ridge, thence along on same.
40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at base by 2 ft. in height and dug pit 24x18x12, 8 lks. N. for ¼ sec. cor.
46.00 Leave ridge, bears N.W. and S.E.
80.00 Set stone 16x12x4 in earth mound 4½ ft. in dia. at base by 2 ft. in height, and dug pits 24x18x12, 8lks. dist. at 4 angles for corner to secs. 17, 18, 19, 20.
Land mountainous. Soil 2nd. rate.
Timber and undergrowth of libe oak and chaparral.
S. between secs. 19 and 20.

Var. 14°25' E.

Descend.
18.00 Intersect N.E. of Rancho San Francisco(as re-surveyed by me) S. 86¼° W., 80.17 chs. of corner to fractional secs. 20 and 21 and set post 4 in square, 1 ft. in earth, 1 ft. above mound 4½ ft. in dia. at base by 2 ft. in height and dug pits 24x18x12, 8lks. dist. at 4 angles, for corner to fractional secs. 19 and 20.
Land mountainous. Soil 2nd. rate.
Timber and undergrowth of live oak and chaparral.

W. on a randon line between secs. 18 and 19.

Var. 14°25' E.

Along S. slope of ridge.
40.00 Set temporary ¼ sec. cor.
78.30 Intersect W.B. of Tp., 40 lks. N. of corner to secs. 18 and 19, from which corner I run N. 89°43' E. on a true line between secs. 18 and 19.
Var. 14°25' E.
38.30 Set post 4 in. dia., 1 ft. in earth, 1 ft. above earth mound 4½ ft. in dia. at base by 2 ft. in height and dug pit 24x18x12, 8 lks. N. for ¼ sec. cor.
78.30 The corner to secs. 17, 18, 19 and 20.
Land mountainous. Soil 2nd. rate.
Timber and undergrowth of live oak and chaparral.

Jan. 8th. 1880.

N. between secs.17 and 18.

Var.14°25'E.

Descend.

40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound, 4 ft. in dia.at base by 2 ft.in height and dug pit 24x18x12, 8 lks.for ¼ sec.cor.

41.50 A canada bears E. and W.

48.60 Cross creek 3 lks.wide.

A house bears E.about 19.00 chs.dist.,thence ascend

80.00 Set post 4 in.square, 1 ft.in earth, 1 ft.above stone mound 4½ ft.in dia.at base by 2 ft.in height for corner to secs.7,8,17&18.

Land mountainous. Soil 2nd.rate.

Timber and undergrowth of live oak and chaparral.

E.on a random line between secs. 8 and 17.

Var.14°25'E.

Descend.

40.00 Set temporary ¼ sec.cor.

80.28. Intersect N.and S.line,15 lks. N.of corner to secs. 8,9,16 and 17, from which corner I run N.89°54'W.on a true line between secs.8&17.

Var.14°25'E.

40.14 Set post 4 in.dia.,1 ft.in earth, 1 ft.above stone mound 4 ft. in dia. at base by 2 ft.in height for ¼ sec.cor.

80.28. The corner to secs. 7,8,17 and 18.

Land mountainous. Soil 2nd.rate.

Timber and undergrowth of live oak and chaparral..

W.on a random line between secs. 7 and 18.

Var.14°25'E.

Ascend.

29.00 Summit of ridge,and along on same.

40.00 Set temporary ¼ sec.cor.

45.50 Descend from ridge

78.89 Intersect W.B.of Tp.,30 lks. N.of corner to secs. 7 and 18,from which corner I run N. 89°47'E.on a true line between secs.7 & 18.

Var.14°25'E.

38.89. Set post 4 in.dia.,1 ft.in earth, 1 ft'above earth mound 4 ft.in dia.at base by 2 ft.in height and dug pit 24x18x12, 8 lks.N.for ¼ sec.cor.

78.89. The corner to secs. 7,8,17 and 18.

Land mountainous. Soil 2nd.rate.

Timber and undergrowth of live oak and chaparral.

N.between secs.7 and 6.

Var.14°25'E.

Ascend.

18.00 Summit of high ridge,bears N.E.and S.W.,thence along W.side.

32.50 Summit of spur bears N.W.and S.W.and descend.

40.00 Set post 4 in.dia.,1 ft.in earth, 1 ft.above earth mound,4 ft.in dia.at base by 2 ft.in height and dug pit 24x18x12, 8 lks.for ¼ sec.cor.

80.00 Set post 4 in.square, 1 ft.in earth, 1 ft.aobe stone mound 4½ ft.in dia.at base by 2 ft.in height for corner to secs. 5,6,7 and 8.

Land mountainous.

Soil 1st.and 2nd.rate.

Timber and undergrowth of live oak and chaparral.

E.on a random line between secs. 5 and 8.

Var,14°25'E.

Down Canada.

10.75 Cross gulch,100lks.wide,course S.E.

16.50 Leave canada and ascend.

40.00 Set temporary ¼ sec.cor.and descend.

47.00 Enter Canada,bears N.W.and S.E.

59.00 Over same and ascend.

73.00 Enter end of Turner's fields to the north and descend.

76.75 Cross gulch 10 lks.wide,course S.E.and ascend..

80.44 Intersect N.and S.line,29 lks.N.of corner to secs. 4,5,8,and 9, from which corner I run N.89°48'W.on a true line between secs.5&8.

Var.14°25'E.

40.22 Set post 4 in.dia.,1 ft.in earth,1 ft.above earth mound 4 ft.in dia.at base by 2 ft.in height and dug pit 24x18x12, 8 lks.for ¼ sec.cor.

80.44 The corner to secs. 5,6,7 and 8.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

Jan.9th.1880.

W.on a random line between secs.6 and 7.

Var.14°25'E.

Ascend.

35.50 Summit of spur,bears N.W.and S.E.and descend.

40.00 Set temporary ¼ sec.cor.in low sag and ascend.

60.00 Summit of spur bears N.and S. and descend.

79.20 Intersect W.B.of Tp. 27 lks. N.of corner to secs. 6 and 7,from which corner I run N.89°49'E.on a true line between secs.6 and 7.

Var.14°25'E.

39.20 The point for ¼ sec.cor.,falling on steep side hill,a place not suitable to build mound, I proceed 4.00 chs.E.and set post 4 in. dia.,1 ft.in earth, 1 ft.above earth mound, 4 ft.in dia.at base by 2 ft.in height and dug pit 24x18x12, 8 lks. N.for witness to ¼ sec.corner.

79.20. The corner to secs. 5,6,7 and 8.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

N.on a random line between secs. 5 and 6.

Var.14°25'E.

Descend.

4.80 Cross gulch, 10 lks.wide,course S.E.

11.00 A canada,bears N.W.and S.E.and ascend.

27.50 Summit of spur bears N.W.and E.and descend.

80.13 Intersect N.B.of Tp.,51 lks. W.of corner to secs.5 and 6,from which corner I run S.0°21'W.on a true line between secs.5 and 6.

Var.14°25'E.

40.13. Set post 4 in.,1 ft.in earth, 1 ft.above earth,mound 4 ft.in dia. at base by 2 ft.in height and dug pit 24x18x12, 8 lks.E.for ¼ sec.cor.

80.13 The corner to secs. 5,6,7 and 8.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

Jan.10th.1880.

Field Notes
For
Section 1, Township 4 N., Range 18 W., S.B.M.
Volume 164
George S.Collins,Deputy Surveyor-10-21-79.

East Boundary:
(Read W.B. T.4 N.R 17 W.)

This Tp.being fractional,I run 1¢ south from the corner to Tps. 4 and 5,N. R.17 and 18 west, I run south on a true line bet.secs. 1 and 6.

Var.14°25'E.

Ascend.
3.00 Top of spur bears E.and W.and descend.
37.00 Cross gulch 10 lks.wide,course W.and ascend.
40.00 Set post 4 ins.dia. 1 ft.in earth, 1 ft.above stone mound 4 ft.in dia.at base by 2 ft.in height for ¼ sec.cor.
63.00 Summit of ridge bears E.and W.
64.00 To edge of perpendicular bluff
Not being able to continue on the line I set a post 4 ins.sq. 1 ft. in earth, 1 ft.above stone mound 4½ ft.in dia.at base by 2 ft.in height for witness to corner to secs. 6,7,1 and 12. I here run an offset line E 5 chs.,then S 16.00 chs.to a point along E.side of Wash bluff thence W 5.00 chs.to a point from which my witness post bears north.
80.00 Set post 4 ins.sq. 1 ft.in earth, 1 ft.above earth mound,4½ ft.in dia.at base by 2 ft.in height and dug pits 24x18x12,8 lks.dist.at 4 angles for corner to secs.6,7,1 and 12.
Land mountainous.
Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

North Boundary: (Read S.B. T 5 N R 18 W)
West on South Boundary of Sec.36.

Var.14°25'E.

Ascend.
31.47 As the point for ¼ sec.cor.,will fall on the steep side hill,a place not suitable to build mound,I here set post 4 ins.dia.,1 ft. in earth, 1 ft.above stone mound, 4 ft.in dia.at base by 2 ft.in height for witness to ¼ sec.cor. 2077.02
40.00 Point for ¼ sec.cor. 881.10
50.72 Intersect E.Boundary of Rancho Temescal,as resurveyed by me, 13.35 chs.,S.33¾° W.of cor.No.3 of said Rancho and set post 4 ins.sq.1 ft. in earth, 1 ft. above earth mound,4½ ft.in dia.at base by 2 ft. in height and dug pits 24x18x12, 8lks.dist.,at 4 angles for cor.to fractional secs.1 and 36. 3347.52
80.00 Set post 4 ins.sq. 1 ft.in earth, 1 ft.above earth mound 4½ ft.in dia.at base by 2 ft.in height and dug pits 24x18x12, 8 lks.dist.at 4 angles for cor.to secs. 1,2, 35 and 36.
Land mountainous.
Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

13.35
8010
9010
881.10

3147
1882
1882
2077.02

5072
3043.2
3043.2
3347.52

South Boundary:

**** North bet.secs.11 and 12.

Var.14°35'E.

80.00 Set post 4 ins.sq.1 ft.in earth,1 ft.above stone mound 4½ ft.in dia.at base by 2 ft.in height for cor.to secs. 1,2,11 and 12.
Land mountainous.
Soil 1st.and 2nd.rate.
Timber and undergrowth of live oak and chaparral..

East on a random line bet.secs. 1 and 12.

Var.14°25'E.

Ascend.
25.00 Top of high rocky peak.
26.50 Descend from same.
40.00 Set temp. ¼ sec.cor.
75.00 Steep wash of canada.
80.26 Intersect E.Bdry.of Tp. 12 N.of cor.to secs.1 and 12 from which corner I run N.89°55'W on a true line bet.secs. 1 and 12.

Var.14°25'E.

40.13 Set post 4 ins.dia.1 ft.in earth, 1 ft.above stone mound, 4 ft.in dia.at base by 2 ft.in height for ¼ sec.cor,
80.26. The cor.to secs. 1,2,11 and 12.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

West Boundary:

North on a true line bet.secs.1 and 2. Var.14°25'E.

Ascend.
2.80 Summit of ridge bears E.and W.and descend.
33.50 Enter head of gulch then down same.
37.00 Leave same, course N.W.
37.45 Intersect S.E.Bdry.of Rancho Temescal(as resurveyed by me) 52.00 chs. S.33¾°W.of cor.to fractional secs.1 and 36,and set post 4 ins. sq.1 ft.in earth 1 ft.above earth mound 4½ ft.in dia.at base by 2 ft. in height and dug pits 24x18x12, 8 lks.dist.at 4 angles for cor.to fractional secs. 1 and 2.
Land mountainous. Soil 2nd.rate.
Timber and undergrowth of live oak and chaparral.

T. 4 N., R. 18 W., S. B. M.

This Township being fractional, I begin the survey from the Cor. to Secs. 13 and 24 on E. boundary of Township and run West on a true line bet. Secs. 13 and 24.

Var. 14° 25' E.

Ascend.

40.00 The point for ¼ Sec. Cor. falling on steep side hill, a place not suitable to build mound, I proceed W. 2.50 chs. and on top of bluff bearing N. and S.
Set post 4 in. diam., 1 ft. in earth at base, by 2 ft. in height, and dug pit 24x18x12, 8 lks. N. for witness to the ¼ Sec. Cor.

42.50 Witness post and descend.

80.00 Set post 4 in. sq., 1 ft. in earth, 1 ft. above earth mound, 4½ ft. in diam. at base, by 2 ft. in height, and dug pits 24x18x12, 8 lks. dist. at 4 angles for cor. to Secs. 13, 14, 23, 24.
Land mountainous. Soil 2nd rate.
Timber, undergrowth of live oak and chaparral.

South bet. Secs. 23 and 24.

Var. 14° 25' E.

27.90 Int. N. boundary of Rancho San Francisco (as surveyed by me) 80.17 chs. S. 86¼° W. of the Cor. to Frac. Sec. 19 and 24 and set post 4 in. sq., 1 ft in earth, 1 ft. above stone mound, 4½ ft. in diam. at base by 2 ft. in height for Cor. to Frac. Secs. 23 and 24.
Land mountainous. Soil 2nd rate.
Timber and undergrowth of live oak and chaparral.

N. bet. Secs. 13 and 14.

Var. 14° 25' E.

Ascend.

40.00 Set post, 4 in. diam., 1 ft. in earth, 1 ft. above earth mound, 4 ft. diam. at base, by 2 ft. in height, and dug pit 24x18x12, 8 lks. E. for ¼ Sec. Cor.

41.00 Summit of spur brs. E. and W. and descend.

59.25 Cross gulch, 10 lks. wide, course N.E.; thence down Canada.

71.50 Cross gulch, 20 lks. wide, course N.W.

72.00 Leave canada, brs. N.W. and S.E. and ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above earth mount, 4½ ft. in diam. at base, by 2 ft. in height, and dug pits 24x18x12, 8 lks. dist. at 4 angles for Cor. to Secs. 11, 12, 13 and 14.
Land rolling valleys, mountainous elsewhere.
Soil 1st and 2nd rate.
Timber and undergrowth of live oak and chaparral.

E. on a random line bet. Secs. 12 and 13.

Var. 14° 25' E.

Descend.

40.00 Set temp. ¼ Sec. Cor.

58.50 Cross gulch, 10 lks. wide, course N.W. and ascend.

79.92 Int. E. boundary of Township 24 lks. S. of Cor. to Secs. 12 and 13, from which corner I run
S. 89° 50' W. on a true line bet. Secs. 12 and 13.

Var. 14° 25' E.

39.96 Set post 4 ins. diam., 1 ft. in earth, 1 ft. above stone mound, 4 ft. diam at base, by 2 ft. in height for ¼ Sec. Cor.

79.92 The Cor. to Secs. 11, 12, 13 and 14.
Land mountainous. Soil 1st and 2nd rate.
Timber and undergrowth of live oak and chaparral.

Jan. 4, 1880

E. on a random line bet. Secs. 11 and 14.

Var. 14° 25' E.

Descend.

12.00 Enter canada.
30.50 Wash in canada, course N.W.
36.50 Leave wash, course N.W.
40.00 Set temp. ¼ Cor.
50.00 Enter wash in canada, course S.W.
53.00 Leave same, course S.W.
58.00 Leave canada and ascend.
69.50 Enter canada, brs. S.W. and N.E. and descend.
74.25 Cross wash, 30 lks. wide, course N.W.
77.00 Leave canada, brs. N. and S. and ascend.
79.80 Int. N. and S. line 23 lk.s N. of Cor. to Secs. 11, 12, 13, 14, from which corner I run
N. 89° 50' W. on a true line bet. Secs. 11 and 14.

Var. 14° 25' E.

39.90 Set post, 4 in. diam., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in diam. at base, by 2 ft. in height for ¼ Sec. Cor.
79.80 The Cor. to Secs. 10, 11, 14 and 15.
Land mostly in canada. Soil 1st rate.
Timber and undergrowth of Live oak, cottonwood, elder and chaparral.

Jan. 14, 1880