

✓
Sec 15 109

CONTRACT 202

Copied

**South & East Boundary
Lines
T.20N.R.54E.**

Compared

Sept 20
21

Survey commenced Sept 20th 1893
with a Schuchly Engineers transit

at the Cor. to Sps. 19 & 20 N. R. 33 & 34 E.
Lat. $39^{\circ} 32' 08''$ N W Lon $115^{\circ} 56' 21''$ W from
Greenwich. I observe Polaris at
8.30 p.m. by my watch which is
correct by local mean time &
find the magnetic bearing of the
star to be $15^{\circ} 26' E$.

Astronomical time by watch
Sept 20th

	<u>8.30</u>
Gal. time A.C. of Polaris Sept 15 th	13.38.7
reduction for 4 days	<u>15.7</u>
Local mean time A.C. of Polaris Sept. 19 th	13.23
which taken from the time of observation leaves hour angle of Polaris.	<u>19.07</u>

Azimuth of Polaris Lat 39.32 .	1.34 E
North end of needle	<u>15.26 E</u>
The sum is the variation	17.00 E

1 South Boundary ^{11 1/2}
S. 20 N. R. 54 E.

From the Cor to Sp 19 1/2 30 N R 53
S 20 E. which is a post properly
marked set in mound of rock
with pits. I retrace the W. half
of S. boundary see 36. as follows

East Cor. Sec. 31 & 6.

Var 17° E

Land level dense sage brush

3.50 ascend gently thro scattered
cedars.

3.60 leave cedars ascend abruptly
~~3.90 road N. W. S.~~

4.00 I find remains of old cor. being
scattered
a mound of rock. I set a porphyry
rock 14x8x8 in mound of rock
2 ft. high 4 ft base marked 1/4 on
N face. pits unpracticable

4.050 road N. W. S.

4.1.20 fence " land level. enter meadow

4.3.00 Creek & cks N.

5.000 house bears N 57° 15' W 20 cks

5.1.10 fence N W I leave meadow

5.2.20 road N W S Ascend

5.8.00 descend

6.2.00 ascend

7.1.10 road N. W. S.

South Boundary

$\angle 20$ N. $R 54$ E.
 The convergence being 2.36 chs
 476d Set a cedar post 3" dia. 4 ft. long
 12" in the ground before Cor. to Secs
 31. 32. $S 46$ E. marked $\angle 20$ N. $S 32$
 on N.E. $R 54$ E. $S 6$ on S.E. $\angle 19$
 N. $S 6$ on S.W. $\angle 31$ on N.W. face
 with 1 notch on W. $S 6$ on E. edges
 dug pits 18 x 18 x 12 in each sec
 $1/2$ ft. dist. raised mound of earth
 2 ft high & $1/2$ ft base around post

Land rolling dense sage brush

6774 chs.
 Soil story 3rd rate 6774 chs
 1st " 9.90 "

No timber.

East bet. Secs. 32 $N 51$
 Var. 17° E.

Scattered scrub cedar

- 2.00 descend
- 7.00 ascend
- 12.00 descend
- 15.00 ascend
- 21.90 house bears $N 38^{\circ}$ E. another $N. 36$ E.
- 23.00 descend
- 29.00 ascend

3

114

South boundary
 220 N R 54 E

- 3600 descend
 4000 dry channel N. set a porphyry
 rock 18 x 14 x 8, 12" in the ground
 for 'H see cor marked 1/4 on N face
 aug pits 18 x 18 x 12 E & W 6 1/2 ft.
 dist. raised mound of earth
 rock 2 ft high 4 ft base along side
 ascend
 4400 descend
 4900 ascend
 6000 descend
 6180 road N & S.
 6800 ascend
 7200 descend
 7800 dry channel N W ascend
 8000 set a limestone 20 x 16 x 12 in
 mound of rock 2 ft high 4 1/2 ft base
 for cor to see 32 E & 33 1/2 E & S.
 marked with 2 inches on W. 1/4 on E
 edges pits impracticable

Land rolling soil stony 3rd rate
 scattered cedar.

115

4

South boundary

L20. N 12 04 E

East bet sees 33 & 34

Mar 17th 07

ascend in scattered cedars

- 7.00 Summit of hill descend
- 12.00 dry channel N. ascend
- 23.00 Summit along N. face of ridge
- 4.00 Set a limestone 20 x 12 x 8 in mound of rock 2 ft. high 4 1/2 ft. base
for "H" see cor marked "H" on N face. pits impracticable
- X 5.00 trail N.E.S. descend leave cedars
- 6.30 dry channel N. ascend
- 72.00 descend along N. face of ridge
- 80.00 Set a limestone 20 x 12 x 8 15 in the ground for cor. to sees. 33, 34. 3 E & H. marked with 3 notches on E. & W. edges dug pits 18 x 18 x 12 in each see. 3 1/2 ft. dist. raised mound of earth & rock 2 ft. high 4 1/2 ft. base along side

Land rolling
Soil stony 2nd rate
Cedars & firs.

31

South boundary
T. 20 N. R. 34 E.

Each beh sees 3¹/₂ 34

Var 17

24.20 on N. slope of ridge ascend gently
trail N.E. & S.E. descend

37.00 dry channel N.W. ascend

4.000 See a limestone 16 x 12 x 8. 11" in
the ground for 1/4 sec cor marked
1/4 on N. face. dug pits 18 x 18 x 12
E. & W. 1/2 ft dist. raised mound
of earth 2 ft high 4 ft base
alongside

67.00 Land level

8.000 See a limestone 18 x 12 x 6. 12" in
the ground for cor to sees. 34. 35.
2nd & 3. marked with + notches on
W. face 2 on E. dug pits 18 x 18 x 12 in
each sec. 1/2 ft dist. raised a
mound of earth & rocks 2 ft high
1 1/2 ft base along side

Sand rolling
Soil stony 2nd rate
No timber.

117
South boundary

6

L. 20 N. R. 34 E.

East bet sees 2 & 30.

Var 17° E

descend

3.00 dry channel N.W.

10.00 " " S.W. ascend

22.00 descend from ridge N.W. E S E

27.00 along ridge E & W.

40.00 Set a limestone 15 x 14 x 8. 12" in
the ground for 1/4 sec Cor marked 1/4
on N. face, dug pits 15 x 15 x 12 E
and W. 6 1/2 ft. dist. raised mound of
earth & rock 2 ft high 4 1/2 ft base
along side

44.00 old road N.W. along road

60.00 " " from N.E.

64.00 ascend along S slope of ridge

77.00 descend

80.00 Set a limestone 16 x 12 x 10 1/2" in
the ground for Cor to sees. 30, 36
1 & 2. marked with 6" notches on
W & E 1 on E edges. dug pits 15.
x 15 x 12 in each see. 6 1/2 ft dist.
raised mound of earth 2 ft high
4 1/2 ft base along side

Land rolling

Soil stony 3rd rate no timber

7

South Boundary

S. 20 N. R. 34 E.

East bet. Secs. 1⁸ & 36

Var 17° E.

- | | |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 400 | descend |
| 800 | road N.E. $\frac{1}{4}$ S.W. |
| 1000 | ascend gently |
| 1500 | descend |
| 2400 | Canyon dry channel S.W. |
| 2500 | ascend rocky side hill |
| 2900 | bluff of rocks 100 ft high along
S side of high rocky hill |
| 4000 | Set a lime stone rock 40" x 20"
x 20. in mound of rocks 2 ft high
x 2 ft base for $\frac{1}{4}$ sec. con.
marked $\frac{1}{4}$ on N. face pits
impracticable descend |
| 4200 | creek 8 ft wide S.W. |
| 4300 | Spring bears N. 42° E. about 50 yds
dist. ascend Mountain |
| 6100 | trail N.W. $\frac{1}{4}$ S.E. |
| 7700 | Summit of Mountain descend |
| 8000 | Set a limestone 18 x 10 x 8. 12"
in the ground for con to Sps 19 & 20
N R 34 E 35 E, marked with
6 notches on each edge ang
pits 24 x 15 x 12" lengthwise
on each line N S E & W 6 ft
dist. raised a mound of earth |

East Boundary

8

S. 20 N. R. 34 E.

2 1/2 ft. high 6 ft. base alongside

Land mountainous

Soil rocky & 2.50 ch sandy
2nd rate 2.75 chs no timber

North bet. Secs. 31 & 36

Var. 170 E.

descend along E side of Mountain

3.00 ascend

20.00 descend

39.00 creek 6 lks S.E.

40.00 Set a limestone 18" x 12" x 8. 12" in
in the ground for 1/4 sec cor marked
1/4 S. on W. face. dug pits 18 x
18 x 12 N. & S. 5 1/2 ft dist raised
mound of earth 2 ft high 4 1/2 ft
base alongside ascend

40.00 descend from point of hill

46.00 creek 6 lks wide S.E. ascend

48.20 Spring on line

66.00 Summit of spur from Mountain
descend

78.00 creek 6 lks wide S.E. ascend

80.00 Set a limestone 16 x 10 x 8. 11 in
the ground for cor. to Secs 25'

9

120

East Boundary
 S. 20 N. R. 3 E

36. 30' & 31. Marked with 1 notch
 on S. 45' 0' on N. edges. dug pits
 18 x 18 x 12 in each see 3 1/2 ft. dish.
 raised mound of earth 2 ft. high
 1 1/2 ft. base alongside.

Paul mountainous
 Soil stony 3rd rate
 No timber

North lat. sees 30' E 30
 but 17° E.

- ascend Mountain
- 3000 Summit of Mts. N. N. E. E. S. W.
 descend
- 3600 ascend spur of Mts
- 4000 Set a limestone 14 x 10 x 10. in
 mound of rock 2 ft. high 4 ft.
 base for "4 see cor. marked
 "4 on N. face pits impracticable
- 4000 Summit of spur W. descend
 along W slope of Diamond Mts.
- 6400 ascend " " "
- 7200 descend
- 8000 ravine S. W. set a limestone

10

121

East Boundary
S. 20 N. R. 54 E.

18 x 12 x 9. in mound of rocks
2 ft high 4 ft base for Cox to
see. 24. 25. 19 & 20 marked
with 2 notches on S & N on
N edges. pits unpracticable

Rand mountainous
Soil stony 3rd rate
No timber.

Sept. 27th 1893

123

[FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.]

I, William T. Motaw
United States Deputy Surveyor, do solemnly swear that in
pursuance of instructions received from George
W. Ferrittie

United States Surveyor-General for Nevada, bearing date of
the 26th day of June 1893

I have well, faithfully and truly, in my own proper person,
and in strict conformity with the instructions furnished by
the United States Surveyor-General for Nevada, the sur-
veying manual and the laws of the United States, surveyed

all those parts or portions of Sp. 21 N. R. 02 E.
Sp. 22 N. R. 01 E. Sp. 20 N. R. 01 E.
Sp. 23 N. R. 02 E. Sp. 23 N. R. 01 E.

of the Mt. Diablo base and meridian, in the District of Nevada, are as represented
in the foregoing field notes as having been surveyed by me and under my directions;
and I do further solemnly swear, that all the corners of said survey have been estab-
lished and perpetuated in strict accordance with the surveying manual, printed
instructions, the special written instructions of the United States Surveyor-General
for Nevada, and in the specific manner described in the field notes, and that the
foregoing are the TRUE field notes of such survey; and should any fraud be de-
tected I will suffer the penalty of perjury, under the provisions of an Act of Con-
gress, approved August 8, 1846.

William T. Motaw
United States Deputy Surveyor.

Subscribed and sworn to before me, this 25th day of

February 1894
Geo. W. Ferrittie
U. S. Surveyor Gen. for Nev.

124

(4-874)

Township 20 N. R. 54 E.

6	189	5	138	4	179	3	2	1			
188	187	137									
7	186	8	136	9	178	10	11	12			
185	184	135									
18	182	17	133	16	176	15	14	13			
184	181	132	175	168							
19	147	20	130	21	173	22	167	23	161	24	
146	145	129	174	166	160						
30	144	29	127	28	171	27	165	26	159	25	120
142	141	126	170	164	158						
31	140	32	125	33	169	34	164	35	157	36	119
112	113	115	116	117	118						

(11921-10 M.)

6-889

S. 20 N. R. 64 E.

N. 04' N. bet. Secs. 32nd & 33

Var. 170° E.

	ascend gently
4.00	descend from ridge N.W.
5.00	leave cedars
7.00	flat
12.00	dry channel N. of W.
13.00	ditch W. ascend
18.00	ridge E & W descend
21.20	creek ^{in ravine} 10 10 lks wide W. low level
23.00	dry ditch W ascend
28.00	" "
29.00	descend abruptly
34.00	fence N.W. enter meadow soil deep loam
36.00	creek, banks 8 ft. deep, 10 lks wide Course S.W.
38.80	road E & W. ascend soil sandy
39.00	old adobe house bear E 1 chain
39.60	fence E & W
4.00	set a cedar post 3" sq, 3 1/2 ft. long 12" in the ground for 1/4 sec corner marked 1/4 in. on W. face dug pits 15x15x12 N.E.S. 6 1/2 ft. dish. raised a mound of earth 1 1/2 ft. high 4 ft. base around post.
44.40	old road E & W. road N.E.S. bears W. 1 chain descend
59.00	ascend in scattered cedars
61.00	descend

26

126

Y. 20 N. R. 04 E.

66.00	ascend
70.00	descend
77.40	road SW
78.80	" "
79.70	fence SW & NE leave cedars
80.00	<p>Set a limestone 32 x 14 x 10. 16' in the ground for cor to sees 28 29. 32 & 33. marked with 1 notch on S. & W. H. on E. edges dug pits 18' x 18' x 12" in each set 5 1/2 ft. dist. raised mound of earth 2 ft high 4 ft. base alongside</p> <p>Land rolling Soil sandy 3rd rate 74.40 loam 560 scattered cedar. 5 ft</p>
	<p>Each on random line bet. sees 28 & 33 Var. 17° 0' C.</p>
4.000	Set ten 1/4 sec. Cor.
8.000	<p>intersect N. & S. line at a point 20 lks S. of Cor. to sees. 27. 28. 33 & 34 thence I run S 89 01 W on true line bet sees 28 & 33</p>
0.00	ascend
2.00	descend
5.80	dry channel N.W.
22.40	" " ascend
35.00	descend. enter scattering cedar
40.00	Set a cedar post 23' sq 3 1/2 ft. long

L. 20 N. R. 610 E.

	12" in the ground for 1/4 sec. Corner marked 1/4 S. on W. face aug pits 18" x 18" x 12" E. SW 1/2 1/2 ft. dish raised mound of earth 2 ft. high 1/2 ft. base around post.
61.00	bluff of rock 10 ft.
70.00	ditch N.W. ascend
72.80	" " descend gently
79.00	road N.W. 3 leave cedars
79.80	fence N.E. & S.W.
80.00	cor to sees 28. 29. 32 & 33

Land rolling. Soil somewhat stony
2nd rate. Scattered Cedar 44.50 chs

N 0 1/4 W bet sees 28 & 29
Var. 1630' E.

	Land level.
.80	road S.W.
3.00	ascend
3.60	ditch west
6.00	house bears E 6 chs Spring bears E. 6 chs.
8.00	ascend
8.10	ditch W
8.15	fence E. & W.

38

128

L 20 N RO'VE

15.00	fence E & W
18.00	enter level table land
21.00	descend
31.00	dry channel W ascend
35.00	ascend stony side hill
40.00	Set a limestone rock 30" x 12 x 8 in mound of rock 2 ft high & 3 ft base for 1st sec. cor. marked '4' on W face. pits, impracticable
41.10	fence. Bears N 74° 12' W. E & S 74° 12' E. enter Nagers meadow
46.80	road S.W. E & N.E.
47.00	creak ⁿ W. ascend
48.00	fence E. & W.
52.00	descend from ridge E & W.
53.00	road N.W.
60.00	Nagers house bears S. 61° E. 45 chs
66.00	ascend
68.00	flat ridge E & W.
70.00	descend
75.50	dry channel N.W. ascend
77.00	descend
79.70	dry channel N.W. ascend stony hill
80.00	Set a limestone 24" x 14 x 12 in mound of rock 2 ft high & 3 ft base for cor. to secs. 20. 21. 28 & 29 marked with 2 notches on S.W.

S. 20 N. R. 54 E.

H on E. edges. pits, impracticable

Land rolling soil sandy ^{and}
stony 1st ^{of} 3rd rate
no timber

N 89° 54' E on random line bet Secs
21 & 28.

Var. 17° E

4.000 Set ten 1/4 sec. Cor.

8004 intersect N & S. line at a point
5 links N. of Cor. to Secs. 21, 22
27 & 28. thence S run
S. 89° 53' W. on true line bet. Secs
21 & 28 descend

3.00 Lorra creek N.W. reservoir bears S. 50° W.

4.00 road N.W. land level

7.50 ascend steep E. slope of ridge

14.00 Summit of ridge N.W. & S.E.
descend

26.00 dry channel N. ascend

31.50 descend from ridge N. & S.

40.02 land nearly level set a cottonwood
post 3" dia 4 1/2 ft long 12" in the ground
for 1/4 sec Cor. marked "4" on
N face dug pits 18x18x12 E & W.

30

130

T. 20 N. R. 54 E.

3 1/2 ft. dist. ruin mound of earth
 1/2 ft. high + ft base around
 post
 41.90 road N.E.S.
 46.00 dry channel N.W. ascend
 51.80 road N.W. descend
 60.00 ascend
 66.60 descend
 79.40 dry chan N.W.
 80.04 Cor to Secs. 20, 21, 28 & 29

Sand Mountains & rocks
 rolling & rocks
 Soil sandy & gravelly 2nd & 3rd
 3rd rate no timber

 N. 1/4 tr. bet. Secs. 20 & 21.

Var. 170 E.

ascend
 6.00 Summit of ridge N.W. descend
 gently
 10.50 dry channel N. ascend gently
 18.50 Summit of ridge E.W. descend
 29.10 road N.W.
 29.18 dry chan N.W. ascend
 33.00 descend

T. 20 N., R. 64 E.,

- 3450 dry channel W ascend
 4000 set a cottonwood post 3" sq. 4 ft long
 12" in the ground for 1/4 sec cor
 marked 1/4 on W face dug pits
 18x18x12 in each sec 1/2 ft
 raised mound of earth 2 ft
 high 4 1/2 ft base around post
- ✓ 4150 descend
 5100 dry channel W ascend
 5350 descend
 6200 dry channel W.
 6300 ascend
 6500 enter flat level land
 7500 descend gently.
 8000 set a pine post 9x4x4 ft long
 12" in the ground for cor. to
 Secs. 16, 17, 20 & 21. marked
 T 20 N. S 16 on N.E. R 64 E S.
 21 on S.E. S 20 on S.W. & S.
 17 on N.W. faces with 3 notches
 on S. & W. on E edges dug pits
 18x18x12 in each sec 1/2 ft
 dirt raised mound of earth
 2 ft high 4 1/2 ft base around
 post
 Land rolling soil sandy 2nd rate
 no timber.

32

132

T. 20 N. R. 54 E.

N 89° 53' E on random line bet. sees
16²⁵ 21

var 17° E

- 40.00 set true 1/4 sec cor
79.89 intersect N 2° S line at a point
8 links N. of cor. to sees. 15, 16
21 & 22. thence I run
S 89° 56' W on true line bet sees
16²⁵ 21.
Land level
- 51.00 descend
7.20 dry channel N.W. ascend
1000 ridge N 2° S descend gently
17.80 road N.W.
18.50 dry channel N.W. ascend
23.00 ridge N.W. descend
29.00 ascend gently
39.4 set a limestone 18" x 12 x 18, 12"
in the ground for 1/4 sec cor
marked 1/4 on N face dug pits
18 x 18 x 12 E E W 5 1/2 ft dist raised
mound of rocks and earth 2 ft
high 4 ft base alongside land
level
- 52.00 descend gently
57.00 dry channel N.W. ascend
57.50 trail N.W.

420 N. R. 54 E.

- 62.30 ditch NW, enter level bush
 62.70 field ^{by cor} bears S 61° 10' E distant about
 rocks.
 65' 5" ditch, course S.
 69.00 descend
 73.30 dry channel N W land level
 74.20 Lorra Creek banks 6 ft. 15' lks
 wide N.W. reservoir bears S.E. 3 chs.
 75' 10 road N W & S E ascend stony
 slope
 79.89 Cor. to sees 16. 17 20 & 21.

Sand rolling soil sandy 2nd
 rate 75' 10 chs stony & 79'
 No timber.

Sept 26th 1893

N 04' N bet sees 16 & 17
 var. 16 35' E.

- descend
 380 road W
 720 Lorra creek N of W. 15 lks. wide
 8.00 ascend
 1300 house bears W. 13 chs
 14.00 descend gently enter dense sage
 brush
 16.70 dry channel S.W. ascend gently

34

134

T20 N. R. 54 E.

1700 road to Peters N.E.
 20:00 descend gently
 4000 enter level land set a cottonwood
 post 3" sq. 3 1/2 ft long 12" in the
 ground for 1/4 sec. cor. marked
 1/4 S. on W face dug pits 18x18x
 12 N.W. & 5 1/2 ft dist. raised a
 mound of earth 2 ft high
 4 ft base around post

6700 road N.E. & S.W.
 7400 dry channel W.
 8000 set a pine post 8x4x4 ft long
 12" in the ground for cor to
 sees 8, 9, 16 & 17. marked with
 T20 N. 19 on N.E. R. 54 E. S
 16 on S.E. S 17 on S.W. S 18
 on N.W. faces with 4 notches
 on S. & E. edges dug pits 18x
 18x12 in each see 5 1/2 ft.
 dist. raised mound of earth
 2 ft. high 4 1/2 ft base around
 post

Land rolling 4000 level 4000
 Soil sandy 3rd rate
 No timber

T. 20 N. R. 54 E.

N. 89° 56' E. on random line bet. Secs.
9 & 16.

Var. 17° E.

4000
79.98

Set tem. 1/4 sec. cor.
intersect N. & S. line at a point 7 ft
N. of cor. to Secs 9, 10, 15, & 16

Chance & run
S. 89° 59' W. on true line bet. Secs
9 & 16.

descend gently

1.20

26.90

38.10

x 39.99

dry channel N.W. land nearly level
" " " S.W.

road from S.E. set a limestone rock
24 x 9 x 7 in mound of rock for
1/4 sec. cor. marked 1/4 on N. face
Pits impracticable along road

41.00

43.00

47.90

56.00

62.00

76.50

79.98

road goes N.W. descend
creek & lks. course N.W. land level

dry channel N.W.

ascend gently

descend "

old road N. & S.

Cor to Secs. 16, 17, 8 & 9.

Land rolling soil sandy 2nd rate
No timber

T. 30 N. R. 04 E.

N. 0 1/4" W. Secs 8 & 9

T. 17° E.

- Land level in dense sage brush
 1300 Creek 10 lks wide N.W.
 1640 road W. & E.
 2930 " N.W. & S.E.
 3850 " "
 4000 Set cottonwood post 3" by 3 1/2" by
 12" in the ground for 7/8" see cor.
 marked "H" S. on W. face dug pits
 18 x 18 x 12 N. & S. 5 1/2" dist.
 raised mound of earth 1 1/2 ft. high
 2 ft. base around post about
 gently
 6100 descend gently
 6300 road E. & W.
 6480 creek 8 lks wide. course W.
 6600 dry channel W. ascend gently
 6800 land level
 8000 Set a pine post 6" x 4" x 4" 12" in
 the ground for cor. to Secs. 4, 5,
 8 & 9. marked "20" N. S. & on N.E.
 R. 04 E. S. 9 on S.E. S. 8 on S.W.
 S. 5 on N.W. faces with 3 notches
 on S.W. 4 on E edges dug pits
 18" x 18" x 12" in each Sec. 5 1/2 ft.
 dist. raised mound of earth 2 ft.

320 N. R. 56 E.

high 4 1/2 ft base around post

Land nearly level
Dense sage brush rocks.
Soil sandy 2nd rate no timber

N. 89° 56' E. on random line bet. sees.
H 2009

- 42000 set tem. 1/4 sec. cor.
7992 intersect N 45 S line at a point
12 cks. N. of cor. to sees. 3, 4,
9 & 10 thence I run N 89° 56' W
on true line bet sees L 2009
descend gently in scrub cedar &
nut pine.
- 4220 dry channel N.W. ascend gently
13.00 sage N.W. descend gently
34.70 old road N.W.
3520 dry channel N.W. ascend hill
3996 set porphyry rock 18 x 12 x 8 in
mound of rock 2 ft. high 4 1/2 ft
base. for 1/4 sec cor. marked 1/4
on N. face pits impracticable
6000 descend gently
6050 enter level ground dense sage
brush

T. 20 N. R. 64 E.

79.92 Cor. to sees 4, 5, 8, 9.

Land rolling 60.00 chs
 level 19.42 chs. Soil sandy
 1st & 2nd rates dense sage
 brush 19.42 chs.
 Several cedar & 5000 pine
 29.92 chs.

N. 0 1/4 N. Sec. 4 E. B

Cor. 1630'E

Land level, dense sage brush
 old road S.W.

6.00

17.00

36.00

x 40.00

" " West E. track

Set cedar post 2 1/2" sq. 3 1/2 ft. long
 12" in the ground for 1/4 set con.
 marked 1/4 S. on W. face dug pits
 18 X 18 X 12 N. & S. 5 1/2 ft. diam.
 raised mound of earth 1 1/2 ft.
 high & 3 ft. base around post,
 dry channel N.W.

40.00

42.00

44.30

56.70

57.00

" " "

" " "

" " S.W.

trail "

✓ S 20 N. R. 54 E.

7600
8069

dry channel W. ascend gently
intersect 4th Standard
Parallel North at a point 75'
Eks N. of Cor. to Secs 33 & 32
set a pine post 4" dia 4 ft long
12" in the ground for closing
Cor. to Sec. 4 & 5 marked
C.C. S 20 N. R. 54 E. on S.
S. 4 on E. 25 S. 5 on W. faces
with 4 ~~notches~~ on E. & 2 on
W. faces dug pits 20x16x12
3 1/2 ft E W & 7 1/2 ft S of Cor. &
raised a mound of earth 2 ft.
high 4 1/2 ft. base around post

Land level, dense sage brush
8069 chs. Soil sandy 2nd rate
No timber.

Sept. 27th 1893

140

140

T 20 N R 04 E.

N. 0° 0' W. bet. Secs. 31 & 32

Var. 17° E.

	descend N. slope of ridge in dense sagebrush
1000	road N.E. & S.W.
1800	dry channel W ascend
24.00	descend
28.00	ascend
33.00	descend
35.00	ascend
40.00	Seqa limestone 24 x 12 x 18' in the ground for 1/4 sec cor marked 1/4 on N. face aug pits 18 x 18 x 12 N. W. S. 6 1/2 ft. Dist. raised mound of earth 2 ft high 4 1/2 ft. base along side. descend
46.00	ascend
54.30	fence S.W.
58.00	road N.W. & S.E. descend
60.00	creek 8 ft wide N.W. ascend
62.00	road N.E. & S.W.
64.10	fence N.W. & S.E.
70.00	enter flat bench
76.60	road N.W. & S.E. descend gently.
80.00	Seqa lime stone 18 x 12 x 8. 12' in the ground for cor. to Secs. 29, 30 31 & 32. marked with 1 notch

T. 20 N., R. 54 E.

on S. E. 1/4 on E. edges dug pits,
18x18x12 in each sec. 6 1/2 ft.
dick. raised a mound of rocks &
earth 2 ft. high 4 1/2 ft base
along side

Land rolling dense sage brush
soaks soil gravelly 2nd rate
No timber

East on random line bet. Secs.
29 & 32.

Var. 17° E.

4000

Set true 1/4 sec cor

7996

intersect N. E. 1/4 line at a point 5'
links N. of cor to Secs 28, 29, 32
& 33. thence S run.

N. 89° 58' W. on true line bet Secs 29 & 32

descend gently in dense sage brush

900

fence N. W. 1/4 S. E. ascend

1050

descend

1700

dry channel N ascend

2400

descend

3700

ascend

3998

set a limestone 18x10x9, 12" on
the ground for 1/4 sec cor marked

42

142

S. 20 N. R. 04 E.

1/4 on N. face dug pits 15 x 15 x 12
 E. & W. 6 1/2 ft. dist. raised mound
 of earth & rocks 2 ft high 4 1/2
 ft base alongside
 41.00 descend gently
 42.00 land level
 49.96 Cor. to secs 29. 30 31 & 32

Sand rolling & usage bush
 79.96 obs. soil sandy & waste
 no timber.

✓ Mesh on random line bet. secs.
 30 & 31.

Bot. 17° E.

40.00 Set ten 1/4 sec Cor.
 77.60 intersect W line of 1/4 at Cor to
 Secs 30. 31. 25 & 36.
 thence I run East on true
 line bet. Secs 30 & 31.
 on bench land dense sage brush
 2.10 road N. & S. descend
 3.70 creek is lks. N. enter flat
 8.10 road N. & S.
 9.00 ascend
 15.00 road S. W. & N. E.

T. 20 N. R. 64 E.

- 18.60 descend
 28.70 dry channel N.W. ascend
 33.60 descend gently
 37.60 set a cedar post 3" dia 3 1/2 ft long 12"
 in the ground for 1/4 sec. Cor. marked
 1/4 s on N. face dug pits 18 x 18 x 12
 E. & W. 6 1/2 ft. deep. raised mound of
 earth 1 1/2 ft. high 4 ft base around
 post.
 42.40 road N.E. & S.W.
 44.60 ascend gently
 45.50 descend gently
 50.00 house bears N. about 10 chs.
 50.20 road N.W. & S.E.
 56.10 fence N.E. & S. enter Harman's ranch,
 56.60 road " " Leave sage brush
 57.10 ditch "
 63.50 creek 15 chs N.
 63.70 trail N.E. & S. fence N.E. & S. ascend,
 68.10 trail " Enter sage brush
 71.30 ditch N.W.
 72.10 road N.W. & S.E. Low level
 77.60 Cor to Secs 29 30 31 & 32

Land rolling dense sage brush
 70 chs Soil sandy 3rd rate
 No timber.

144

144

L 20 N. R. 34 E.

	N 05° W bet sec 29 & 30
	Var. 17° E.
	descend gently. dense sage brush
300	dry channel N.W.
350	ascend
800	ridge E & W.
1000	descend
1650	dry channel W. ascend
2000	ridge E & W descend
2150	ascend
2600	enter flat
3300	descend gently
4000	set a limestone 17' x 12' x 10'. 11" in the ground for 1/4 sec. cor. marked 1/4 on N. face deep pits 18' x 18' x 12' N & S 6 1/2 ft. dist. raised a mound of earth 2 ft high 2 1/2 ft base along side land level
4390	dry channel W.
4490	" " "
4550	road E & W
4600	ascend
4810	road E & W land level
5290	" SW & NE
6000	descend gently
8000	set a limestone 22' x 12' x 8' 16 1/2" in the ground for cor. 6

T 20 N. R. 04 E.

✓ Secs 19, 20, 29 & 30 marked
with 2 notches on S. & E. or E.
Edges dug pits 18x18x12 in
each sec 5 1/2 ft. dia. raised
mound of earth 2 ft. high 4 1/2
ft. base along side.

Land rolling, Douse Sage Brush
Socks. Soil sandy 2nd rate.
No timber.

289° 0' S. E. on random line bet. Secs 20 & 29
Var. 17° E.

4000 sek ten 1/4 sec. Cor.

8007 intersect N & S. line at a point
6 lks N. of Cor to Secs. 30, 21.

289° 29' chance I run

N. 89° 0' 31" N. on true line bet. Secs. 20 & 29

70 dry channel N.W. ascend

1.30 descend

2.30 dry channel N.W. ascend gently

19.00 descend from ridge N.W. E. & S.E.

x 4003 sek a cedar post 2 1/2" dia 3 1/2 ft. long

12' in the ground for 1/4 sec corner

marked 1/4 sec N face dug pits

18x18x12 E & W 5 1/2 ft. dia. raised

46

146

L. 20 N. R. 64 E.

mound of earth $\frac{1}{2}$ ft. high
 4 ft. base around post.
 ascend gently
 50.00 descend gently
 64.60 road N.E. & S.W.
 80.07 Cor to sees 19.20 29 & 30

Land rolling dense sage
 brush 80 yds
 soil sandy 2nd rate
 no timber

Tr. est. on random line bet sees. 19 & 30
 bet. ~~19~~ 29 & 30

40.00 set ten $\frac{1}{4}$ sec. cor.
 77.89 intersect the line of 29 at a point
 19 links S. of cor. to sees. 19.30
 24 ^{and} 25. thence I run
 S 89° 05' 2" E on true line bet.
 sees 19 ^{and} 30.
 ascend gently in dense sage
 brush.

28.00 descend gently
 37.89 set a limestone $16 \times 10 \times 7 \frac{1}{2}$ in.
 in the ground for ^{the} cor. marked
 $\frac{1}{4}$ on N face dug pits $18 \times 18 \times 12$

S. 20 N. R. 64 E.

E. & W. 6 1/2 ft. dist. raised mound of earth 2 ft high 4 1/2 ft base along side

66.00 dry channel N.W.

77.89 Cor to secs. 19. 20. 29 & 30.

Land rolling
Dense sage brush 77.89 ch
Soil sandy 2nd rate
No timber

N. 05' N. Secs 19 & 20

Cor. 1637 E.

Land nearly level dense sage brush

23.00 dry channel N.W.

36.40 " " "

45.00 Set a pine post 3" sq. 7 1/2 ft long for "H" Sec Cor. marked "H" st. on

N. face dug pits 15x15x12 N & S
6 1/2 ft. dist. raised mound of earth 2 ft high 4 1/2 ft base around post ascend gently

42.00 land level

42.50 road N.W. E. & E.

43.00 descend gently

45.00 land level "Diamond Valley"

48

148

S. 20 N. R. 64 E.

59.00	dry channel N.W.
64.00	" " " "
66.50	road S.W. & N.E.
66.00	" " " "
61.30	dry channel N.W.
70.70	" " " "
71.70	road N.E. & S.W.
74.20	dry channel W
80.00	Set a pine post 4" by 4 1/2" long 12" in the ground for cor to Secs. 17, 18, 19 & 20. marked S. 20 N. S. 17 on N.E. R. 64 E. S. 20 on S.E. S. 19 on S.W. & S. 18 on N.W. face with 3 notches on S. & W on E. edge dug pits 18 x 18 x 12 in each sec. 3/4 ft. dist. raised mound of earth 2 ft high 4 1/2 ft. base around post

Land level, dense soft brush & rocks
soil sandy 2nd rate.
No timber.

149

Latitude. Departures. & Closing Errors.

S. 32 N. R. 61 E.

Line designated as	True bearing	dist	Latitude		Departures	
			N.	S.	E.	W.
W. boundary	N 89° 57' W	479	.40			479
W. "	South	480		480.		
S. "	S 89° 50' E	479.36		1.32	479.36	
E	North	480	480			
Convergence						.61
			480.40	481.32	479.36	479.61
			480.40			479.36

Error in lat. .92 Error in dep. .25

1300

157
 Latitudes Departures & Closing Error

S. 21 N. R. 30 E.

Line Designated	True bearing	dist.	Latitude		Departure	
			N.	S.	E.	W.
N. boundary	West	480				480
W. "	South	478.80		478.80		
S.	East	480			480.	
E.	North	480	480			
Convergence						.61
			480.00	478.80	480.	480.61
			478.80			480.00

Error in lat. 1.20 Error in dept. .61

152

5001/53

CONTRACT 202

Copied

Subdivisions
T. 20 N. R. 54 E.

Compared

Sept 22
29

15.54

At 8 a.m. September 22nd
1893 I find the magnetic
bearing of the south
line of section 36 as run
by me yesterday to be
 $N. 73^{\circ} E.$ the variation
is therefore $17^{\circ} E.$

153

Township 20 N. Range 54 E M.
T.M. Diablo Meridian

6	57	5	38	4	23	3		2		1
56		55		37						
7	54	8	36	9	22	10		11		12
53		52		35						
18	51	17	33	16	20	15		14		13
50		49		32		19		12		
19	47	20	30	21	17	22	11	23	5	24
46		45		29		16		10		4
30	44	29	27	28	15	27	9	26	3	25
42		41		26		14		8		2
31	40	32	25	33	13	34	6	35	1	36

15.66.
31.32

47
153
—
0

156

M

Range

Township

The image shows a large, faint grid or table structure, possibly a survey map or ledger. The grid is approximately 10 columns wide and 10 rows high. The text within the grid is illegible due to fading. The grid is enclosed in a dashed border.

420 N. R. 54 E.

North 1" W. Sec. 36 & 36
 Pat. 17' E.

Ascend

- 2.00 Summit of ridge E & W descend
 22.00 Bottom of Cañon W.
 23.00 Ascend.
 24.00 trail W.
 38.00 Summit
 39.00 descend gently
 40.00 Set a limestone $1\frac{1}{2} \times 10 \times 12$. 10" in
 the ground for $\frac{1}{4}$ Sec cor marked
 $\frac{1}{4}$ " on W face dug pits $18 \times 18 \times 12$
 N & S $6\frac{1}{2}$ ft dist raised mound
 of earth $1\frac{1}{2}$ ft high $\frac{1}{4}$ ft base
 alongside
 41.00 Ascend
 50.00 Summit ridge E & W descend
 60.00 Bottom of Cañon N.W.
 61.00 dry Channel N.W.
 62.00 ascend
 78.00 Summit ridge N.W. & S.E. descend
 80.00 Set a limestone rock $22 \times 10 \times 12$
 in mound of rock for cor. to Sec.
 26. 26. 36 & 36 marked with 1
 notch on S. & 1 on E. edges. pits
 impracticable
 Land mountainous

S 20 N R 04 E

Soil Story 3rd class some bunchgrass
No timber

East on random line bet sees 25⁹ 36
bet 17⁰ E.

4000 set tem. 1/4 sec. cor.

8024 intersect E line of $\frac{1}{4}$ sec. cor. at a point 30 lks N
of cor to see 20.36 30⁹ 31, thence
S run N 89 47 W on true line bet sees
25⁹ 36

ascend E. face of mountain

4200 Summit i " " N. N. E. 30
descend

4012 set a limestone rock 24 x 20 x 14
in ^{area of 1/4 sec. cor.} ~~intersection~~ of $\frac{1}{4}$ sec. cor. marked
1/4 S. on N. face pits impracticable

4200 enter valley.

6800 ascend along N. face of ridge

8024 cor. to sees 20. 26. 30⁹ 36

Land mountainous 64.2 & cfs
Soil loam 2nd rake some bunch grass
No timber.

220 N. R. 34 E.

N. of W. bet. Secs. 25 & 26

Nov 17th E

descend

- 800 ascend gently
 1050 small ridge des
 1250 dry channel W. ascend
 1400 enter bunch grass, descend
 2400 ascend.
 2600 ridge E. & W. descend.
 3000 ascend.
 3150 descend.
 3300 ascend.
 3450 descend.
 36.70 Creek SW (846)
 36.80 trail " ascend
 4000 See a limestone 18 x 12 x 10" for ^{the}
 See cor. marked ^{the} on N. face. in
 mound of rock 2 ft. high 4 ft. base
 pits impracticable
 4050 Summit of ridge E. & W. descend
 6100 enter flat valley.
 6200 old corral.
 6450 Spring bears N 76° E.
 6540 Creek 10 elk W.
 6600 ascend
 7000 Summit of ridge E & W. Spring bears
 S 86° 30' E. descend

S. 20 N. R. 54 E.

79.50

80.00

dry channel W.
 Sep a limestone 20 x 14 x 10. 1.5" in
 the ground for cor to sees 23. 24
 25 & 26. marked with 2 notches on
 S & E on E edges. raised mound of
 rock 2 ft high 4 ft base alongside
 pits impracticable

land mountainous 7 ft chs
 Soil stony 2nd rate some bunchgras
 No timber

S 89 1/2 E on random line bet sees 24 & 25
 Var 17° E

40.00

Set line 1/4 Sec. Cor

80.18

intersect E line of 1/4th at a point 24 & 25
 S of Cor to sees 24. 25 19 & 20
 these 3 run

N. 89° 58' W. on true line bet sees 24 & 25
 descend S E slope of Mt.

21.00

dry channel, ascend

23.00

descend

40.09

sep a porphyry rock 12" x 12 x 8. 10" in
 the ground for 1/4 Sec Cor marked 1/4 S
 on N face dry pits 18 x 18 x 12

S. 20 N. R. 64 E.

- E. E. W. 6 1/2 ft dist raised mound of
earth 2 ft high 1 1/2 ft base along side
- 42.00 ascend
59.00 summit of ridge N. W. descend
63.00 ascend
66.00 brow of ridge N. of W.
68.00 descend & slope
80.18 Cor to sees 23. 24. 25. & 26.

Land mountainous
Soil sandy 2nd rate
No timber.

N. of the bet. sees 23 & 24
Mar. 17th 56.

- ascend
- 8.00 ridge E. W. descend
19.00 Creek N. W.
23.00 Spring bears E. 20 elk
26.00 Creek 4 elk W.
28.00 Spring bears E about 6' chs. ascend
40.00 Set a limestone 39" x 12 x 8 for 1/4
See Cor. marked 1/4 S. or N. in round of
rock 2 1/2 ft ^{high} 1 1/2 ft. base. but is
impracticable
45.00 ridge E. W. descend

6

162

220 N. R. 04 E.

4800 head of ravine N.W. ascend
 5200 ridge E. & W. descend
 5600 ravine W. ascend
 6300 ridge E. & W. descend
 6980 dry channel in ravine W. ascend
 8000 Set a limestone rock 20 x 14 x 12
 in middle of rock 2 ft. high 4 ft. base
 for cor. to Secs. 13, 14, 23 & 24
 marked with 3 notches on S & 1 on
 E edges. pits impracticable.

Land mountainous
 Good growth of ryegrass &
 rabbit weed. Soil gravelly &
 no timber

Sept 22nd
1893

1102 N. bet. Secs. 34 & 36!

Var. 17° E.

descend

120 dry channel W. ascend

1500 descend

2300 dry channel W. ascend

2800 descend

2936 Spring bears N. 70° 37' E about 17 ch dist

4000 Set a limestone 16 x 12 x 8. 11" in

T. 20 N. R. 64 E.

- the ground for 4' deep or marked
4' S on the face. ~~dig~~ pits 18 x 18 x
12 N. 45 S. 6 1/2 ft. dist. raised mound
of earth 2 ft. high 4 ft. base
alongside ^{6 1/2 ft. wide}
4200 Creek ^{6 1/2 ft. wide} N. of W.
4250 road "
4700 old stone cabin bears N. 1 chs. (Rain Ponds)
4900 dam in creek S.W. ascend very
steep limestone hill.
6300 Summit of ridge descend
6480 dry channel S.W. descend
4600 Summit of ridge E. of W. descend
8000 Bottom of Canon W. Set a line
stone rock 14" x 12 x 8 10' in the
ground for cor. to Secs. 26. 27.
34 E 36. with 1 notch on S. 1/2 2
on E. edges. raised mound of rock
2 ft. high 4 ft. base alongside
Ditch impracticable
Law Mountain soil stry 3rd rate
No timber

8

164

Sp. 20 N. R. 34 E.

East on random line bet. Secs. 26 & 35
for 17⁰⁰ E

- 4000 set ten 1/4 sec. Cor
 5005 intersect N. & B. line at a point
 900 S. of cor. to Secs. 25, 26, 35
 25 & 36. thence I run
 5890'6" N. on true line bet. Secs
 26 & 35
 ascend N.E. slope of ridge
 3660 descend
 3060 dry channel N.W. ascend
 along N. front of ridge
 3100 trail N.W. enters bunch grass
 4002 set a limestone 18 x 12 x 6" in
 in the ground for 1/4 sec. cor
 marked 1/4 on N. face dug
 pits 18 x 18 x 12 E & W 35 ft.
 dist. raised a mound of earth
 2 ft. high 4 ft. base alongside
 descend
 4800 dry channel NE ascend SE slope
 6000 ridge N.E.
 6000 descend
 8005 Cor. to Secs 26, 27, 34 & 35

Land mountainous soil sandy
 3rd rate some bunch grass
 no timber

Geo. W. R. O'K E.

N. 82° W. bet. Secs 26 & 27
Twp. 17° E.

ascend

- 800 Summit of ridge E. & W. descend
 1000 dry channel in Cañon & ascend
 3000 descend
 3750 Torres Creek S. of W. ascend
 4000 Set lime stone 18" x 12 x 8, in mound
 of rock 2 ft high 4 ft base, ^{for if decor} marked 4
 on N. face pits impracticable
 4700 point of rocks on ridge E. & W.
 descend.
 6000 dry channel in ravine W. ascend
 6200 Summit of large hill descend
 7470 road E. & W.
 7700 trail " ascend
 8000 Set a limestone rock 18 x 12 x 10
 12" in the ground for Cor. to Secs
 22, 23, 26 & 27. marked with
 2 notches on S & E edges dug pits
 18 x 18 x 12 in each Sec. 2 & 4 dist.
 raised mound of earth 2 ft
 high 4 ft. base alongside

Land mountainous
 Soil stony 2nd rate some baul
 grass No timber.

T20 N. R. 54 E.

N 89° 56' E on random line bet sec 23 & 26
Var 170°.

- 4000 set ten "H" sec cor
8016 intersect N E S line at a point 104 1/2
N. of cor. to sec 23. 24. 25 & 26
thence I run the est. on true line
bet sec 23 & 26
descend
700 dry channel NW ascend along N
slope of ridge
3100 descend from "
2900 ascend
4008 set a limestone rock 14" x 10" x 8"
10" in the ground for "H" sec cor
marked "H" on N face. aug pits
18 x 18 x 12 E & W 3 1/2 ft dist. raised
mound of earth 2 ft high 4 ft
base alongside
4460 descend from ridge N.E.S.
5600 ascend
6100 ridge N E S descend
6800 ascend
8016 Cor. to sec. 22. 23. 26. & 27.

Sand mountainous soil landy 2nd
rate. some bunch grass
No timber

S 20 N. R. 54 E.

402' to hill sees 22 & 23

1025 170 E

ascend SW slope of ridge

1600 Summit N.W. & S.E. enter bunch grass

X 4000 road W. leave bunch grass. See a limestone

16 x 12 x 8. in round of rock for 1/4 sec.

+ Cot. marked 1/4 on W. face pits in-
practicable. reservoir bears W. 2 chs

4050 Creek 10 chs W

4110 road W. ascend

4500 point of ridge descend

4700 enter flat

4760 Creek 10 chs SW

4900 ascend

6660 Summit descend enter bunch grass descend

7000 ascend

7700 Summit descend

8000

Set a cedar post 4" by 4" long 12' in the
ground for cor to sees 14. 18. 22 & 23
marked S 20 N. R. 54 on N.E. R 54 E S
23 on S.E. S 22 on SW & S 15 on N.W.
Faces with 3 notches on S. & 2 on E. edges
dug pits 18 x 18 x 12 in each see 1/2
It dist. raised mound of earth 2 ft
high 4 ft base around post
Land mountainous 18 chs
Soil sandy 2nd rate No timber

20 N. R. 60 E.

- East on random line bet sees 14^E 23
bet 17^E 6
- 4000 Set ten $\frac{1}{4}$ sec cor
- 8002 intersect the N^E 3 line at a point
10 cks N of cor to sees 13. 14. 23
Cut 24. thence down
N 89^W 36^W on true line bet sees
14^E 23
- Land level ground
6000 rim of rock. ~~cut~~ perpendicular wall 15 ft
- 1900 dry channel S.W. ascend
- 2000 enter south slope of high rocky
hill
- 4001 See a limestone 30 x 24 x 18 in
mound of rock. for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on N face. pits un-
practicable
- 4500 descend along N. slope of ridge
- 7900 ascend
- 8002 cor to sees 14. 15 22^E 23
- Land mountainous
Soil sandy 2nd Kate
No timber

Sept. 23rd 1893.

220 N. R. 60E.

T103 N. let sees 33 & 34

Var. 17° 0' E.

- descend along N. slope of ridge
- 1300 dry channel N of W ascend
- 2100 descend
- 3390 dry channel N.W.
- 3600 " " " land level
- 4000 Set limestone 18x12x8 " 12" in the ground for 4th sec cor marked 4th on W. face dug pits 18x18x12 N. & S. 5 1/2 ft diam. raised mound of earth 2 ft high 4th base alongside
- 4700 road E & W
- 6410 dry channel W. ascend
- 6300 descend
- 7000 land level
- 7200 dry channel N.W. ascend
- 7600 descend
- 7860 dry channel W. ascend
- 8000 Set a limestone 16x14x8 " 11" in the ground for cor to sees 27. 28. 33 & 34 marked with 1 notch on S. & 3 on E. edges dug pits 18x18x12 in each sec. 5 1/2 ft diam. raised mound of earth 2 ft high 4th base alongside.

114

170.

T. 20 N. R. 54 E.

Land rolling 19.60. ^{dry} Montanous 60.40
 Soil sandy 2nd rate
 some buck grass no timber

East on random line bet. secs. 27 & 34
 Cor. 1630E

- 4000 set ten $\frac{1}{4}$ sec cor.
 8018 intersect N.E.S. line at a point 16
 Ets S. of Cor. to secs. 26. 27. 34. & 35.
 thence I run.
 589 33rd m. on true line bet. secs.
 27th & 34
 along N. slope of ridge
 2300 ridge N. of W. descend
 4009 set a limestone $1\frac{1}{2} \times 12 \times 8$ in mound
 of rock for $\frac{1}{4}$ sec. cor marked
 $\frac{1}{4}$ on N. face pits impracticable
 land very stony
 6200 dry channel S.W.
 6210 trail S.W.
 6250 creek S.W.
 6300 road " ascend
 7000 descend
 7100 dry channel S. descend
 8018 Cor to secs. 27. 28. 33 & 34

T. 20 N. R. 54 E.

land mountainous
 soil stony 300 rate, no timber

N. 0° 3' W. Sec. 27 28

Var. 163° 0 E.

descend gently

- 1300 Creek to left side course W.
 1400 dry channel W ascend
 1580 trail E. & W.
 1620 bluff of rocks 8 ft high.
 2000 descend ascend.
 2700 dry channel ~~Sleigh Cañon ascend~~
 3400 Summit descend
 4000 set limestone 18" x 12" x 12" in mound
 of rock for 1/4 sec cor. marked
 1/4 on the face. pits impracticable
 4600 road E. & W. "Sleigh Cañon"
 ascend very steep ridge.
 6400 descend
 6800 trail E. & W.
 7000 bluff of rocks
 7350 dry ditch N. W.
 7450 road in Lorr's Cañon N. W.
 7510 "Lorr's Creek" N. W. reservoir bears
 N. W. 3 chs.
 8000 set a trap rock 18" x 8" x 8" 12" in

T. 20 N. R. 54 E.

the ground for cor. to sees
21, 22, 27 & 28 marked with
2 notches on S & W 3 on E edges
aug pits 18 x 18 x 12 in each
see 5 1/2 ft disk raised mound
of rock and earth 2 ft high
& 2 ft base alongside

Land mountainous rocks
Soil stony 3rd rate
No timber.

N. 89° 53' E. on random line bet sees 22 & 27
Var 17° E

- 4.00 sek ten 1/4 sec Cor
- 8.30 intersect N. & S. line at a point 30 yds
N. of Cor to sees 22:23 26 & 27
thence I run
- ✓ N. 89° 54' W. on true line bet see 22 & 27
ascend
- 3.00 dry channel S.W.
- 9.00 Spring Bears S. 20 yds dist.
- 14.80 creek 6 yds N.W.
- 16.00 trail N.W. land level
- 22.00 ascend N.E slope

20 N R 04 E

- 3400 descend
 3600 ascend
 4075 Set a trap rock $1\frac{1}{2} \times 10 \times 10$ in
 mound of rock ^{24 ft high} for "H" sec cor
 marked "H" on N face. pits in
 practicable
 4800 Summit of range NW, descend
 5700 ascend
 6300 descend enter scattered pine & cedar
 8030 Cor. to Secs. 21, 22, 27 & 28

Land mountainous 7430 chs
 Soil sandy 2nd rate
 Some bunch grass scattering
 Cedars & pine 1030 chs

N 03' W but Secs 21 & 22

- ascend along w slope of ridge among
 scattering cedars & nut pine
 1000 Summit descend
 1025 house bears N 43° W 32 chs.
 2600 trail N. W. leave cedars & pine
 2650 dry channel NW
 2900 dry channel W ascend
 3400 Summit of hill descend

18

174

T20 N R54 E

- 4000 Set a limestone 18x10x10. 12" in the ground for 1/4 sec Cor marked 4 on N. face. dug pits 18x18x12 in each sec 1 3 1/2 ft dist. raised mound of earth & rocks 2 ft high 4 ft. base alongside.
- 4800 dry channel N.W. ascend gently
- 6200 descend
- 6400 dry channel N.W. ascend
- 6200 descend
- 6500 ascend gently
- 6710 road SW
- 6940 " NW.
- 7000 descend
- 7100 road SW
- 7300 ascend
- 8000 Set a limestone rock 18x12x8 12" in the ground for Cor 6 Sec 15. 1/6. 21 1/2 22. marked with 3 notches on S.E.C. dug pits 18x18x12 in each sec 1 1/2 ft dist. raised mound of earth 2 ft high 4 ft base alongside
- Sand rolling. Soil red marl
3rd rate Scattering Sagebrush

T. 20 N. R. 04 E.

Cedar $\frac{1}{4}$ sec. pin 26. chs.

S. 89 $\frac{1}{4}$ E. on random line bet Secs
15 $\frac{1}{2}$ 22

Var 17^o

- 4.000 set ten $\frac{1}{4}$ sec. Cor.
80.28 intersect. N. & S. line at a point 19
E of S. of Cor. to Secs. 14. 15. 22
E 23. Chance I run.
S. 89 $\frac{1}{4}$ W. on true line bet Secs 15 $\frac{1}{2}$ 22
ascend
200 descend gently
1000 ascend
1400 ridge NW descend into bunch grass
25.00 road W $\frac{1}{4}$ S ascend
37.00 enter flat N. side of hill
40.14 set a cedar post 3. sq ft. long 12
in the ground for $\frac{1}{4}$ sec. Cor.
marked $\frac{1}{4}$ S on N face dig pits
18 x 18 x 12 E & W 6 $\frac{1}{2}$ ft. with raised
mound of earth 1 $\frac{1}{2}$ ft. high 1 $\frac{1}{4}$
base around post.
43.00 descend W. slope leave bunch grass
60.00 dry channel SW.
66.00 road S. W. enter level ground

20

176

S. 20 N. R. 34 E.

67.60	fence N. & S. Enter Peter's meadow
69.80	road S.W.
72.00	in reservoir Creek 10 E. N.
73.00	ditch N ascend
75.00	enter flat bench
76.60	fence N.W. leave meadow
78.80	road N.W.
80.28	Cor. to Secs. 10, 16, 21, & 22.

Land rolling
Soil sandy 1st & 2nd rat.
No timber

N. 0° 3' W. bet. Secs. 10 & 16
Dat 17° E

800	land level N.W.
830	road fence N.W. descend gently
980	" E & W.
1200	dry ditch E & W.
18.00	Creek 5 E. N.W. enter meadow
19.00	road N.W.
24.20	dry ditch N.W.
24.80	fence N.W. ascend
28.00	bluff of rock 10 ft. high
30.00	descend
32.00	road E & W. ascend

T20 N. R. 04 E.

3640 fence E. & W. Peter house bears
S. $63^{\circ}20'$ E. about 18 chs.

38.00 descend into dense sage brush

40.00 Set a porphyry rock $14 \times 12 \times 10$
in mound of rock 2 ft high 4 ft base
X for 1/4 sec cor. marked 1/4 ft on
N. face. pits impracticable

43.00 road N.W. ascend

52.00 top of flat hill

61.00 descend

70.00 road N.W.

77.00 dry channel N.W. ascend

80.00 Set a limestone $18 \times 12 \times 8$
 $12''$ in the ground for Cor to Secs
9. 10. 10' E 16. marked with
4 notches on S. & 3 on E. edges
and pits $18 \times 18 \times 12$ in each sec
 $6 \frac{1}{2}$ ft dist raised mound of
earth & rocks 2 ft high 4 ft
base alongside

Land rolling thru sage brush 42.00
Soil sandy and gravelly 1 ft
3rd rate No timber

T20 N. R. 64 E.

N. 53rd Tr. bet. Secs. 9 & 10

Nov 1708

- Enter scattered scrub cedar
- 1330 dry channel to ascend
- 3300 descend from top of hill
- 4000 Set limestone $2\frac{1}{2}$ x 10 x 8 in
mound of ^{2 1/2 ft high} rock _{14 ft base} for $\frac{1}{4}$ sec. cor.
- X marked $\frac{1}{4}$ on the face. pits
impracticable
- 4300 enter level ground
- 4600 road N of W.
- 4770 creek 12 ft wide in belt of willows
course N of W. ascend hill
- 5460 descend gently
- 6000 old road N W ascend in scattered
pine & cedar.
- 8000 Set limestone $1\frac{1}{2}$ x 10 x 8 10" in
the ground for cor to Secs.
3 & 4, 9 & 10 marked with 5" notches
on S. & 3 on E edges. dug pits
 18 x 18 x 12 in each sec. $5\frac{1}{2}$ ft dist.
raised mound of earth 2 ft high
 4 ft base alongside

Land rolling down Saz. level 800 ft.
Soil sandy & gravelly $1\frac{1}{2}$ ft & 2"
rate. Scattered cedar & pine

T20 N. R. 5' E.

N03 W bet sees 3 & 4

Var 17° E

- descend gently in scrub cedar E & W
 940 dry channel N.W. land nearly level
 2000 " " "
 2220 " " "
 3050 " " " ascend hill
 3960 road S.W.
 4000 Set a limestone 18 x 12 x 8, 12" in
 the ground for 1/4 sec cor marked W
 on W. face dug pits 18 x 18 x 12 W
 S 1/2 ft dist. raised mound of
 earth 2 ft high 1 ft base along side
 5170 descend very abruptly from ridge E & W
 5215 line of old fence posts E & W.
 5605 dry ditch W
 6700 creek 8 ft. W. land level
 6740 road W
 6800 ascend gently
 6900 brush fence E & W
 7700 top of ridge E & W descend
 8080 intersect L.H. standard parallel
 North at a point 90 links W of
 Cor to sees 33 & 34. set a
 limestone rock 16 x 12 x 10, 10" in
 the ground for closing ^{to see 3} corner ^{land of} marked
 C.C. on S with 3 notches on E. E. E.

24

180

L. E. O. N. R. O. Y. E.

aug pits 24 x 16 x 12 3/4 ft E E W
 at 7 1/2 ft. S of cor. contained
 a mound of earth & stone
 2 ft. high 1 1/2 ft. base along side

Claw rolling dense sagebrush 8080
 soil sandy Red stony 1 ft. E 3rd
 rate. Scattered cedar & nut pine

Sept 25th 1893

✓
T 20 N R. 54 E.

S 89° 55' E on random line bet.
secs. 17 & 20

Var 17° E

- 4.000 Set tem 1/4 sec. cor.
80.08 intersect N. & S. line at a point
2 links N of cor to secs. 16, 17
20 & 21 thence E run.
N 89° 54' W on true line bet secs
17 & 20
ascend gently in dense sage brush
2.00 flat ridge
6.00 descend "
9.00 enter "Diamond Valley" low level
95'0 dry channel N.W.
23.20 old road S.W.
24.60 " " " "
26.70 road S.W. & N.E.
27.60 fence " " enter meadow
27.70 ditch S.W. along fence
28.40 " " " "
36.80 road N.W. & S.E.
40.04 Set a pine post 37" dia 37 ft long
12" in the ground for 1/4 sec cor.
marked 1/4 on N face aug pits
18 X 18 X 12 E. & W. 5 1/2 ft. dist. raised
mound of earth 2 ft high 4 1/2 ft.
Case around post.

50

1872

T. 20 N. R. 04 E.

- 48.10 fence N. & S. leave meadow enter
dense sage brush
48.40 road N. & S.
62.00 dry channel N. & W.
66.50 old line of fence N. & S.
67.00 dry channel S. & W.
80.08 Cor to secs 17, 18, 19 & 20

Land rolling 9 chs
Dense sagebrush 5908 chs
Soil sandy 1st & 2nd rate
No timber.

Sept. 20th
1893

N. 89° 52' W. on random line
bet. secs. 19 & 18
Cor. 170 E.

- 40.00 set ten 1/4 sec cor
78.00 intersect W. line of Sp. at a point
2 lks N. of Cor to secs 18, 19, 13
25 24. thence I run
589° 55' E. on true line bet secs
18 & 19.

- Land level, Dense sage brush
38.00 set a pine post 3" dia 3 1/2 ft long 12"
in the ground for 1/4 sec cor marked
1/4 S on N. face dug pits 15 X 15 X 14

T. 20 N. R. 10 E.

E. & W. 6 1/2 ft. diam. raised mound of earth 1 1/2 ft. high 4 ft. base around post.

63.40

road N.E. & S.W.

78.00

cor. to Secs. 17, 18, 19 & 20

Land level Dense sage brush 78 cts.
Soil sandy 1st rate
No timber

N. 10 W. bet. Secs. 17 & 18

Top 16 1/2 ft. E.

Land level. Dense sage brush

14.00

dry channel W.

26.80

road S.W. & N.E.

28.00

dry channel N.W.

40.00

Set a pine post 3" x 4" x 4 ft long 12" in the ground for 1/4 sec cor marked 1/4 c. on W. face aug pits 15 x 15 x 1/2 N. & S. 6 1/2 ft. diam. raised mound of earth 2 ft high 4 1/2 ft base around post.

76.00

dry channel S.W.

79.60

" " W.

80.00

Set a pine post 4" sq 4 ft long 12" in the ground for cor. to Secs.

62

184

S. 20 N. R. 04 E.

7.8. 17. 45° 18. marked S. 20 N. S. 8
 on N.E. R. 04 E S. 17 on S.E. S. 8
 on S.W. ^{of S. 7} on ^{N.W. faces}
 with ^{1/4" niches} for ^{2nd} or ^{3rd} on ^{E. faces}
 dug pits 18 x 18 x 12 in each sec.
 $3\frac{1}{2}$ ft. dia. raised mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base around post

Land level dense large brush rocks.
 Soil sandy 1st 45° 2nd rate
 No timber

S. 89° 04' E. on random line bet.
 Secs. 8 & 17.

N. 16° 35' E.

4000 Set ten 1/4 sec cor. at

8000 intersect N. & S. line at a point
 11 kts. S. of cor. to Secs. 8. 9. 16 & 17
 thence I run

N. 89° 07' W on true line bet Secs 8 & 17

Land nearly level

2000 road N. & S.

4000 Set a cotton wood post 3" sq $3\frac{1}{2}$
 ft. long 12" in the ground for 1/4 sec.
 cor. marked 1/4 S. on N. face. dug
 pits 18 x 18 x 12 E. & W. $3\frac{1}{2}$ ft. dia.
 raised a mound of earth $1\frac{1}{2}$ ft. high

185-

53

L20 N R O X E

4th base around post.
 03.90 dry channel N.W.
 8.00 Cor. to Secs. 7, 8, 17 & 18

land coal dense sage brush rocks
 soil sandy 1st rate no timber

N 89° 03' W on road on line bet.
 Secs. 7 & 18.

Nor 16° 35' E.

4000 set tem. 1/4 sec. Cor.
 78.10 intersect W. line of Sp. at a point
 10 lks S. of Cor. to Secs. 7, 18, 12,
 & 13. thence I run S 89° 47' E
 on true line bet Secs 7 & 18

13.40 road N E & S W.

10.60 dry channel N

38.15 set a pine post 3" sq 3 1/2 ft long
 12" in the ground for 1/4 sec. Cor
 marked 1/4 S on N face, aug pits
 18 x 18 x 12 E. & W. 3 1/2 ft dist. raised
 mound of earth 1 1/2 ft high 4 ft.
 base around post

39.40 road S.W. & N.E.

42.20 " " "

47.80 dry channel N.W.

54

186

T20 N R54 E.

60.70 dry channel N.W.
 78.10 cor to sees 7.8 17^E/18

Land level dense sage brush 78.13 ch
 soil sandy 1st rate no timber

U.05 N. bet. sees. 7^E/8

pat. 170 E.

Land level, dense sage brush

12.00 dry channel N.W.

13.00

14.00

creek 8.00 wide W.

✓ 20.00

Set a pine post 3" sq 3¹/₂ ft. long
 12" in the ground for 1/2 sec cor.
 marked N.E. on W face aug pits
 18x18x12 N.W. 1.5¹/₂ ft deep.
 raised mound of Earth 2¹/₂
 high 4¹/₂ ft base around post

61.30 dry channel N.W.

65.40 road N.E. & S.W.

74.50 dry channel N.W.

80.00

Set a pine post 4" sq 4 ft long
 12" in the ground for cor to sees
 N.E. 7^E/8. marked T20 N S 5 on
 N.E. R54 E S 8 on S.E. & 7 on
 S.W. & N.E. on N.W. faces with

S. 20 N. R. 64 E.

6' notches on S & E edges dug
 pits 18x18x12 in each see
 6 1/2 ft. deep. raised mound of
 earth 2 ft. high 4 1/2 ft. base
 around post

Land level dense sage brush rocks
 Soil sandy 1st rate
 No timber

S 89° 59' E. on random line bet. sees
 5 & 8

Var. 170° E.

40.00 set true 1/4 sec. cor.

79.08

intersect N. 5 S. line at a point &
 links S of cor to sees 4, 5, 8 & 9
 thence E run

S 89° 38' W. on true line bet. sees
 5 & 8.

27.20

descend very gently in dense sage brush
 dry channel N.W.

28.00

creek 8 ft. wide N.W.

31.00

road N.W. 1/4 sec

39.94

set a cottonwood post 3" sq. 3 1/2 ft.
 long 12" in the ground for 1/4 sec
 cor. marked 1/4 S on N. face

56

188

S. 20 N. R. 54 E.

dug pits 18' x 18' x 12' E. & W. $5\frac{1}{2}$ ft.
 distant raised mound of earth
 $1\frac{1}{2}$ ft. high $4\frac{1}{2}$ ft. base around
 post

68.00

road N. E. & S. W.

79.88

Cor. to secs 5. 6. 7. & 8.

Land nearly level
 Soil sandy 1st rate
 Dense sage brush 79.88 chs.
 No timber

N. 89° 47' W. on random line bet.
 Secs 6 & 7.

var. 17° E.

40.00

bet. 1/4 sec. cor.

78.30

intersect W. line of Sp. at a point
 12 links N. of cor. to Secs. 6. 7. 1
 & 12, thence I run

S. 89° 32' E. on true line bet. Secs
 6 & 7.

Land level dense sage brush

38.30

Set a price post 3" sq $3\frac{1}{2}$ ft.
 long 12" in the ground for 1/4 sec.
 cor. marked 1/4 S. on 1/4 face dug
 pits 18' x 18' x 12' E. & W. $5\frac{1}{2}$ ft.

S. 20 N. R. 64 E.

dist. raised mound of earth $1\frac{1}{2}$
ft. high $4\frac{1}{2}$ ft. base around post
dry channel N.W.
71.60 road N.E. & S.W.
72.80 cor. ^{sec} 6, 5, 6, 7, & 8
78.30

Land level dense sage brush 78.30 chs.
Soil sandy 1st rate no timber

N. 05' W. bet. Secs. 5 & 6

box 17 E.

Land level dense sage brush
house bears N. 32° 45' E.
0.00 road S.W. & N.E.
12.50 dry channel N.W.
13.00 trail N.W. & S.E.
19.50 fence N.W.
21.20 house bears E. 1/2 chs
22.20 dry channel N.W.
26.90 fence N.E. & S.W.
31.10 dry ditch N.W.
31.80
4.000 set a pine post 3" sq $3\frac{1}{2}$ ft long
12" in the ground for 1/4 sec cor
marked 1/4 S. on W. face dug
pits 18" x 18" x 12" N.E. 1/4, 5 1/2 ft.
dist. raised mound of earth $1\frac{1}{2}$

58

190

S. 20 N. R. 34 E.

6110 ft. high $4\frac{1}{2}$ ft. base around post
 dry ditch N.W. $\frac{1}{2}$
 6250 trail N.W. $\frac{1}{2}$ S.E.
 6400 dry channel N.W.
 6800 trail N.W.
 7950 dry channel N.W.
 8070 intersect 4th standard Parallel
 North at a point 70 lks W.
 of Cor to sees 31 & 32. Set a
 pine post 4" sq 4 ft long 12"
 in the ground for closing cor. to
 sees 5 & 6. marked C.C. S. 20
 N. R. 34 E. on S. sec. 5 on E.
 and S. 6 on W. with 5th notch on
 E. end 1 on W. faces dug pits
 $24 \times 16 \times 12$ 3 $\frac{1}{2}$ ft. E $\frac{1}{2}$ N $\frac{1}{2}$ 7 $\frac{1}{2}$ ft. S.
 Has raised a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base around
 post.

Land level dense sage brush 80.70
 Chs. soil sandy 1st rate
 No timber

Sept. 29th 1893

General Description

The greater part of this Sp. consists of rolling foot hills interspersed with running creeks. The N.E. 1/4 of the Sp. contains no Springs with the exception of Collinwood Sp. very high up in the mountains, the West part of the Sp. is generally level & contains some very fine land covered with dense sage brush. In Secs 9 & 16 there is a little timber, it is young & not of any great value.

The 4 see corners on the line bet. Secs. 9 & 16 & 22 & 23. coming in the middle of a road I built a mound large enough to cause the drivers to turn out. The roads were not important.

No trees were near enough to the corners to be used for witness trees or were so small as to be useless. There are seven settlers in the Sp. Maw. Peterson, Rodoni Nager, Harmon, & Pastorn.

M. L. Moran
U.S. Dep. Sur.

192

193
U. S. Surveyor General's Office,

Reno, Nevada, March 3^d 1884

The foregoing field notes of the survey
of the *Exterior Boundaries and*
Subdivision Line
Township No. *20 N* Range No. *54 E*
of the Mt. Diablo Meridian.

Executed by *W. G. Moran*
under Contract No. *202* of the *26*
day of *June* 1883, in the month of
September 1883, having been critically
examined, the necessary corrections and expla-
nations made, the said field notes, and the sur-
veys they describe are hereby approved.

Geo. F. Tompkins
U. S. Surveyor-General for Nevada.

194

199
AUG - 8 Rec'd

REPORT: Book C.

Filed OCT 16 1905 ~~190~~

Examined by J. H. A.

Transcribed by H. M.

Compared by H. M. J. H. A.

FIELD NOTES OF THE SURVEY

OF THE

4th Standard Parallel North

thru Ranges 54 and 55 East

and East Boundary line.

OF

Township No. 20 North

Range No. 54 East

OF THE

MOUNT DIABLO BASE AND MERIDIAN,

IN THE DISTRICT OF NEVADA,

AS SURVEYED BY

John W. Fitzpatrick

U. S. Deputy Surveyor,

Under his contract No. 246

Dated November 15, th, 1904

Survey commenced June 14th, 1905

Survey completed June 16th, 1905

200

NAMES AND DUTIES OF ASSISTANTS.

-, Compassman.
- Earl Fitzpatrick....., Chainman.
- Carroll Fitzpatrick....., Chainman.
- H. F. Menough....., Chainman.
- Frank E. Cook....., Chainman.
- Frank Pastorino....., Moundman
-, Axman.
- Paul Pedrioli....., Flagman.

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

(11921-10 M.)

6-389

1.—PRELIMINARY OATH OF CHAINMEN.

We, Carl Fitzpatrick
 and Carroll Fitzpatrick
 do solemnly swear that we will well and faithfully execute
 the duties of chainmen; that we will level the chain upon
 even and uneven ground and plumb the tally pins, either
 by sticking or dropping the same; that we will report the
 true distance to all notable objects, and the true length of
 all lines that we assist in measuring, to the best of our skill
 and ability, and in accordance with instructions given us,
 in the survey of the 4th. Standard Parallel
North through Ranges 54 and
55 East-
and East Boundary Tps 20 18. R. 54 E
 of the Mount Diablo base and meridian, in the District of
 Nevada.

Carl Fitzpatrick, Chainman.
Carroll Fitzpatrick, Chainman.
H. F. Menough, Chainman.
Frank C Cook, Chainman.

Subscribed and sworn to before me this 22nd day of

May, 1905

J. H. Huegh
County Clerk

202

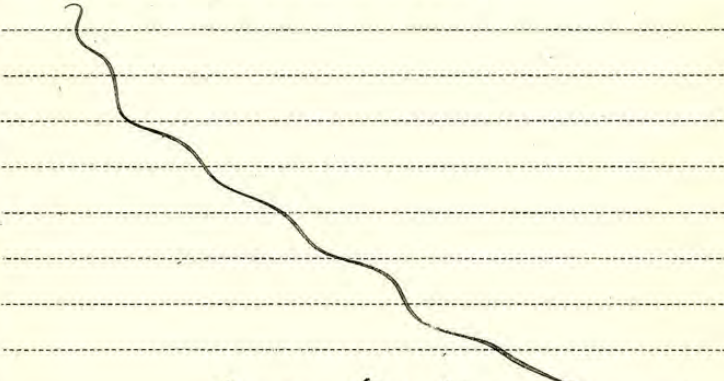
I
do
fla
ab
C
o
C

I, Paul Pedrioli

do solemnly swear that I will well and truly perform the duties of
flagman, according to instructions given me, to the best of my skill and
ability, in the survey of the 4th Standard

Parallel North through Ranges
54 and 55 East

and the East Boundary of
Township 20 North Range
54 East N. D., U.S.



Paul Pedrioli, Flagman.

Subscribed and sworn to before me this 12th day
of June, 1902

John W Fitzpatrick
U.S. Deputy Surveyor

204

510 70
705

3.—PRELIMINARY OATH OF ~~PLACEMEN~~ ^{Mount Diablo}

~~Fr~~ Frank Pastorino

and
do solemnly swear that we will well and truly perform the
duties of ~~placemen~~ ^{Mount Diablo}, in the establishment of corners and other
duties, according to instructions given us, and to the best of
our skill and ability in the survey of

East Boundary
of Tp. 20 N. R. 54 E.
^{and}
4th Standard Parallel
North through Ranges
54 and 55 East

of the Mount Diablo base and meridian, in the District of
Nevada.

~~Fr~~ Pastorino ^{Mount Diablo}
~~Placeman~~

Subscribed and sworn to before me this 22 day of
May 1905

J. H. Hoag
County Clerk

206

Retracement of 4th Standard Parallel North.
Through Range 54 E, M.D.M.

Chains

June 14th, 1905.

At 8 h. 0 m. l.m.t. I set off $39^{\circ} 37'$ N on the latitude arc and $23^{\circ} 16'$ on the declination arc and determine a true meridian with the solar at the standard corner of sections 33 and 34.

Thence I run west on south boundary of section 33, - retracing.

40.00

Failed to find any trace of old standard $1/4$ sec. cor. and set a temp. cor.

79.75

To a point 40 lks. north of old standard section corner of sections 32 and 33 which is almost obliterated.

Thence I run west from old standard corner of sections 32 and 33 on south boundary of section 32, - retracing.

40.00

Failed to find any trace of Standard $1/4$ sec. cor. and set a temp. corner.

9.70

To a point 36 lks. north of the old standard corner of sections 31 and 32 which is an old decayed post. Mound and pits almost obliterated.

Thence from standard corner of sections 31 and 32 I run west on south

9.

208

Resurvey of 4th Standard Parallel North.
Through Range 54 E, M.D.M.

Chains

- boundary of section 31.
- 40.00 Failed to find old 1/4 sec. corner
and set a temp. cor.
- 80.00 To a point 3 lks. south of standard
township,

Corner of Township 21 North Ranges
53 and 54 E which I find to be an old
decayed post with mound and pits near-
ly obliterated.

Having failed to find the Standard
1/4 sec. corners and finding the sec.
cor. in a very bad state of preser-
vation I proceeded to resurvey the
4^s Standard Parallel North through
Range 54 E, M.D.M. as follows:

I re-establish standard Township cor-
ner of Township 21 North Ranges 53
and 54 East M.D.M. by setting a stone
18x12x10 ins. 12 ins. in the ground.
Marked S.C. 21 N on North 53 E on west
and 54 E on east face with 6 grooves
on north east and west faces, dig
pits 30x24x12 ins. crosswise on each
line E and W 4 ft. and N of stone

Resurvey of 4th Standard Parallel North,
Through Range 54 E., M.D.M.

8 ft. dist and raise a mound of earth
5 ft. base 2 1/2 ft. high north of
corner.

Thence I run S 89° 59' E on south
boundary of sec. 31 with two sets of
chainmen.

Over level valley.

Difference between measurements of
40.00 chains, by two sets of chainmen
is 6 lks. position of middle point,

By 1st set 39.97 chains,

By 2nd set 40.03 chains , the mean of
which is

40.00

Set a stone 15 x 10 x 8 ins. 10 ins
in the ground for standard 1/4 sec.
cor. Marked S C 1/4 on North face,
dig pits 18 x 18 x 12 ins. E and W of
stone 3 ft. distant and raise a mound
of earth 3 1/2 ft. base 1 1/2 ft. high
north of corner.

Difference between measurements of
80 chains by two sets of chainmen is

4 lks. position of middle point

By 1st set 79.98 chains,

By 2nd set 80.02 chains , the mean
of which is:

11. 210

Resurvey of 4th Standard Parallel North
through Range 54 E., M.D.M.

C 4 8	<p>80.00 Set a stone 20 x 10 x 10 ins. 14 ins in the ground for standard corner of sections 31 and 32. Marked S.C. on north with 5 grooves on east and 1 groove on west face, dig pits 24x18x 12 ins. crosswise on each line E and W 3 ft. and north of stone 7 ft. distant and raise a mound of earth 4 ft. base 2 ft. high north of corner. Soil sandy and rate, covered with dense growth of sagebrush.</p> <p>Level valley land 80.00 chains,</p> <p>-----</p> <p>West on a random line on south boundary of section 32,</p>
40.00	<p>Fail to find standard 1/4 sec. cor. and set a temp. cor.</p>
79.70	<p>To a point 36 lks. N. of Standard cor. of secs. 31 and 32, therefore the return course will be N 89° 45' E on a true course, on south boundary of section 32.</p> <p>Over level valley.</p> <p>Difference between measurements of 39.85 chains by two sets of chainmen is. 8 lks. position of middle point</p> <p>By 1st set 39.89 chains,</p> <p>By 2nd set, 39.81 chains, the mean of which is:</p>
39.85	<p>Having failed to find any trace of old standard 1/4 sec. cor. I set a</p>

211

Resurvey of 4th Standard Parallel North through Range 54 E., M.D.M.

Chains.

stone 15 x 10 x 8 ins. 10 ins in the ground for standard 1/4 sec. cor. Marked S.C. 1/4 on north face, dig pits 18 x 18 x 12 ins. E and W of stone 3 ft. distant and raise a mound of earth 3 1/2 ft. high north of cor. Base, 1 1/2 ft. high-

41.00 Foot of hills bears N 20° E and S 20° W and leave Diamond Valley.

41.50 Road from Elko to Eureka bears N 20° E and S 20° W.

56.70 Top of low spur trend N 40° W and S 40° E 100 ft. above valley,

Descend

57.14 Ravine course N 35° W 15 ft. below top of spur.

Ascend

57.70 Trail bears N 45° W and S 45° E.

61.00 Trail bears N 35° W and S 35° E.

65.20 Top of spur trend N 40° W and S 40° E 70 ft. above ravine.

Descend,

68.00 Enter scattering timber, bears N and S.

69.36 A draw course N 45° W 40 ft. below top of spur.

Ascend.

212
13. Resurvey of 4th Standard Parallel North
through Range 54 E., M.D.M.

78.155 The closing corner of secs. 4 and 5,
T 20 N, R. 54 E. which is a post
4 ins. square 18 ins. above ground
correctly marked.

No mounds or pits. I re-establish
this corner by setting post 12 ins.
above ground, dig pits 24 x 18 x 12
ins. crosswise on each line E and W
3 ft. and S of post 7 ft. and raised
a mound of earth 4 ft. base 2 ft. high
south of corner.

Difference between measurements of
79.70 chains by two sets of chainmen
is 6 lks. position of middle point,

By 1st. set 79.67 chains,
by 2nd set 79.⁷³ chains, the mean of
which is

79.70 The old standard corner of sections
32 and 33, which is an old de-
cayed post lying on small earth
mound, pits almost obliterated.

I re-establish this corner by set-
ting a stone 20 x 10 x 8 ins. 14 ins.
in the ground, marked S.C. on north
with 2 grooves on west and 4 grooves

Resurvey of 4th Standard Parallel North
through Range 54 E., M.D.M.

on east face, dig pits 24 x 18 x 12
ins. crosswise on each line E and W
3 ft. and N of stone 7 ft. distant
and raised a mound of earth 4 ft.
base 2 ft. high north of corner.

From corner
A Juniper 5 ins. in diam. bears N 30°
50' W 335 lks. distant.

Marked T 21 N R 54 E S 32 B T .

A Juniper 8 ins. in diam . bears
N 89° E 169 lks. dist.

Marked T 21 N R 54 E S 33 B T .

Land 41.00 chains level valley,
38.70 chains rolling foot-hills cov-
ered with dense growth of sage brush.

West on a random line on south bound-
ary of section 33.

40.00 Fail to find standard 1/4 section cor.
and set a temp. cor..

79:75 To a point 40 lks. N. of old Standard
cor. of Secs. 32 and 33,
Therefore the return course will be
N 89° 42' E on a true course on
south boundary of section 33.

5. 15.

214

Resurvey of 4th Standard Parallel North
through Range 54 E., M.D.M.

Chains.

5.55	Ascend, Road bears N 20° w and S 20° E.
26.75	Road bears N and S. Difference between measurements of 39.88 chains by two sets of chainmen

is 6 lks. position of middle point

39.88	By 1st set 39.91 chains, By 2nd set 39.89 chains the mean of which is:
-------	------------------------------------------------------------------------------

Failing to find any trace of old
standard 1/4 sec. cor. I re-establish
corner by setting a stone 18 x 14 x 5
ins. 12 ins. in the ground, marked
S C 1/4 on north face, dig pits E and
W of stone 3 ft. distant and raise a
mound of earth and stone 3 1/2 ft.
base and 1 1/2 ft. high north of
corner. From stone

A Juniper 6 ins. in diam. bears
N 50° W 31 lks. dist. marked 1/4 S
33 B.T.

A Juniper 6 ins. in diam. bears
N 62° 30' E 48 lks. dist. marked
1/4 S 33 B T .

65.25	Top of spur trend N 45° W and S 45° E 200 ft. above standard corner of sec- tions 32 and 33.
-------	----------------------------------------------------------------------------------------------------

Resurvey of 4th Standard Parallel North.
Through Range 54 E, M.D.M.

Chains.

	Descend
66.44	Ravine ^{course} N 46° W 40 ft. below top of spur.
	Ascend
77.75	Top of spur trend N 50° W and S 50° E 150 ft. above ravine.
78.75	The closing corner of Sections 3 and 4 Township 20 N.R. 54 E which is a stone 16x12x8 ins. in a small stone mound, marked C.C. on south 3 grooves on east and west face. No pits. I re-establish cor. setting stone 10 ins. in the ground, dig pits 24x18x12 ins. crosswise on each line E and W 3 ft. and S of stone 7 ft. distant, and raise a mound of earth and stone 4 ft. base 2 ft. high south of corner.
79.75	The standard cor. of secs. 33 and 34 which is an old decayed post, small earth mound, pits are obliterated. I re-established cor. by setting a stone 16x12x10 ins. 10 ins. in the ground, marked S.C. on N with 3 grooves on E and W faces dig pits, 24x18x12 ins. crosswise on each line E and W 3 ft and

17.

216
Resurvey of 4th Standard Parallel North.

Through Range 54 E, M.D.M.

Chains

N of stone 7 ft. distant, raised a mound of earth and stone 4 ft. base 2 ft. high north of corner from stone.

A Juniper 5 ins. in diam. bears N 25° E 229 lks. distant, marked T 21 N R 54 E S 34 B T.

A Juniper 5 ins. in diam. bears N 3° 10' W 172 lks. distant. Marked T 21 N R 54 E S 33 B T.

Mountainous land.

Soil sandy 2nd rate. Scattering Juniper timber.

Mountainous land 79.75 chains.

June 14th, 1905.

From standard corner of sections 33 and 34 I run east retracing south boundary of section 34.

40.00 Failed to find any trace of old standard 1/4 sec. cor and set a temp 1/4 section corner.

80.00 Failed to find standard corner of sections 34 and 35 or any trace of said corner.

I therefore begin at standard cor. of

Resurvey of 4th Standard Parallel North
Through Range 54 E, M.D.M.

Chains	
	sections 33 and 34 and run east on a true line on south boundary of section 34 on re-survey.
	Descend
2.30	Ravine course N. 45° W 50 ft. below top of spur.
	Ascend
5.50	Top of spur trend N 50° W and S 50° E 25 ft. above ravine.
	Descend
9.00	Ravine course N 40° W 25 ft. below top of spur.
	Ascend
23.00	Top of spur trend N 50° W and S 50° E 60 ft. above ravine.
	Descend
	<p>Difference between measurements of 40.00 chains by two sets of chainmen is 12 lks. position of middle point. By 1st set 39.94 chains. By 2nd set 40.06 chains, the mean of which is:</p>
40.00	Set a stone 15x12x9 ins. 10 ins. in the ground for standard 1/4 sec. cor. Marked S C 1/4 on north face, dig pits

19. 218

Resurvey of 4th Standard Parallel North
Through Range 54 E, M.D.M.

- Chains. 18x18x12 ins. E and W of stone 3 ft.
distant and raise a mound of stone 3 1/2
ft. base 1 1/2 ft. high north of cor-
ner.
- 40.80 Ravine^{course} N 47° W 60 ft. below top of
spur.
- Ascend
- 46.00 Top of spur trend N 45° W and S 45° E
45 ft. above ravine.
- Descend
- 48.00 Ravine^{course} N 50° W 30 ft. below top of
spur.
- Ascend
- 58.78 Road from James Mattei's ranch to Eureka
road bears N 20° E and S 25° W.
- 63.30 Road bears N and S.
- 64.39 Wire fence bears N 10° W and S 10° E.
- 65.00 James Mattei House bears N 12 chains
distant.
- 66.00 Commence steep ascent.
- Difference between measurements of
80.00 chains by two sets of chainmen
is 4 lks. position of middle point.
By 1st set 80.02 chains.
By 2nd set 79.98 chains the mean of
which is.

319 20.

Resurvey of 4th Standard Parallel North
Through Range 54 E., M.D.M.

Chains
80.00

Set a stone 20x12x10 ins. 14 ins. in the ground for standard corner of sections 34 and 35 marked S.C. on north, with 2 grooves on east and 4 grooves on west face, dig pits 24x18x12 ins. crosswise on each line E and W 3 ft. and N of stone 7 ft. distant, raise a mound of stone 4 ft. base 2 ft. high north of corner from stone.

A Juniper 8 ins. in diam. bears N 32° 30' W 89 lks. distant marked T 21 N R 54 E S 34 B T.

A Nut Pine 12 ins. in diam. bears N 89° 45' E 97 lks. distant, marked T 21 N R 54 E S 35 B T.

Mountainous land.

Soil 2nd and 3rd rate with growth of sagebrush and bunch grass. Timber small scattering Juniper.

Mountainous land 80.00 chains.

June 15th, 1905.

At 10 h 45 m A.M. l.m.t. I set off 39° 37' N on latitude arc and 23° 19' N on declination arc and determine a

21. 720

4th Standard Parallel North

Through Range 54 E, M.D.M.

Chains

true meridian with the solar at the corner of sections 34 and 35.

Thence I run east on south boundary of section 35.

Ascend

2.00 Top of spur trend S and N 50 ft. above section corner and 250 ft. above last ravine.

Descend

5.00 Ravine^{course} S 30° W 100 ft. below top of spur.

Ascend

7.75 Top of spur trend S 35° W and N 35° E 65 ft. above ravine.

Descend

11.00 A draw^{course} S. 40° W 50 ft. below top of spur.

Ascend

21.75 Top of spur trend N 50° W and S 50° E 85 ft. above ravine.

Descend

22.00 Leave timber bears N 45° W and S 45° E.

28.50 Ravine^{course} N 40° W 50 ft. below top of spur.

Ascend

4th Standard Parallel North
Through Range 54 E, M.D.M.

Chains

30.50 Top of spur trend N 40° W and S 40° E
40 ft. above ravine.

Descend

Difference between measurements of
40.00 chains, by two sets of chainmen
is 8 lks. position of middle point.

By 1st set 40.04 chains.

By 2nd set 39.96 chains, the mean of
which is:

40.00 Set a stone 18x14x8 ins. 12 ins. in
the ground for standard 1/4 sec. cor-
ner, marked S C 1/4 on north face,
dig pits 18x18x12 ins. E and W of stone
3 ft. distant, and raise a mound of
earth and stone 3 1/2 ft. base 1 1/2
ft. high north of corner.

53.75 Ravine^{course}. N. 35° W 150 ft. below top of
spur.

Ascend

63.00 Top of spur trend S and N 200 ft. above
ravine.

Descend

67.00 Ravine^{course}. S. 45° W 100 ft. below top
of spur.

Ascend

23. 222

4th Standard Parallel North
Through Range 54 E, M.D.M.

Chains

- 69.00 Top of spur trend S 60° W and N 60° E
40 ft. above ravine.
- 69.60 Ravine^{course} S. 65° W 15 ft. below top
of spur. Descend
- 74.50 Same ravine^{course} N. 70° W. Ascend
Difference between measurements of
80.00 chains by two sets of chainmen
is 10 lks. position of middle point.
By 1st set 79.95 chains.
By 2nd set 80.05 chains, the mean of
which is:
- 80.00 Set a stone 20x12x10 ins. 14 ins. in
the ground for standard cor. of sec-
tions 35 and 36, marked S.C. on N
with 1 groove on east and 5 grooves
on west face; dig pits 24x18x12 ins.
crosswise on each line E and W 3 ft.
and N of stone 7 ft. distant and raise
a mound of stone 4 ft. base 2 ft.
high north of corner.
Land mountainous, soil 2nd and 3rd
rate, timber 22 chains.
Juniper with growth of sagebrush and

4th Standard Parallel North,
Through Range 54 E, M.D.M.

Chains

bunch grass.

Mountainous land 80.00 chains.

East on south boundary of section 36.

Ascend

18.50 Top of spur trend SandN 150 ft. above
ravine.

Descend

27.50 Ravine ^{course} S 50° W 50 ft. below top of
spur.

Ascend

Difference between measurements of 40.00
chains by two sets of chainmen is 4 lks.
position of middle point.

By 1st set 40.02 chains

By 2nd set 39.98 chains, the mean of
which is:

40.00 Set a stone 18x12x10 ins, 12 ins. in
the ground for standard 1/4 section
corner. Marked S.C. 1/4 on north face,
dig pits 18x18x12 ins. E and W of stone
3 ft. distant and raise a mound of
earth and stone 3 1/2 ft. base 1 1/2
ft. high north of corner.

43.00 Top of high spur trend N and S turns

25. 224

4th Standard Parallel North

Through Range 54 E M.D.M.

Chains

to N 45° W 250 lks. north of line 350
ft. above ravine.

Descend

59.60 Ravine^{course}N 200 ft. below top of spur.

Ascend

59.70 Wire fence bears N and S.

63.40 Ravine^{course}N. 50° W.

Difference between measurements of
80.00 chains by two sets of chainmen
is 8 lks. position of middle point.

By 1st set 80.04 chains.

By 2nd set 79.96 chains, the mean of
which is:

80.00 Set a stone 14x12x12 ins. 9 ins. in
the ground for Standard cor. of Township
21 N Range 54 and 55 E and sections
31 and 36. Marked S C T 21 N on North
R 55 on east and R 54 on west face
with 6 grooves on N E and W face,
dig pits 30x24x12 ins. crosswise on
each line E and W 4 ft. and N of stone
8 ft. distant and raise a mound of
earth and stone 5 ft. base 2 1/2 ft.
high, north of corner.
Mountainous land.

4th Standard Parallel North

Through Range 54 E., M.D.M.

Chains	Soil 2nd and 3rd rate covered with sagebrush and bunch grass. Mountainous land 80.00 chains.
	<p>Knowing that East Boundary of Tp. 20 N.R. 54 E, M.D.M. will close east of standard Tp. corner of Tp. 21, N.R. 54 and 55 E, I consider it necessary to extend 4th standard parallel. I therefore begin at said Tp. cor. of Tp. 21 N.R. 54 and 55 E and run east on south boundary of sec. 31 T 21 N R 55 E M.D.M.</p>
	<p style="text-align: right;">Ascend west slope of Diamond Mountain.</p>
2.00	Ravine cont S. 60° W.
34.90	Summit of Diamond Mountains and divide between Diamond and Newark Valley trend North and South 500 ft. above Tp. corner.
	<p style="text-align: right;">Descend</p>
38.25	<p>Trail bears North and South. Difference between measurements of 40.00 chains by two sets of chainmen is 6 lks. position of middle point. By 1st set 40.03 chains. By 2nd set 39.97 chains, the mean of</p>

27. 276

4th Standard Parallel North

Through Range 55 E M.D.M.

out

~~Difference between measurements of~~
~~40.00 chains by two sets of chainmen~~
~~is 6 lks. position of middle point:~~
~~By 1st set 40.03 chains.~~
~~By 2nd set 39.97 chains, the mean of~~
~~which is :-~~

40.00 Set a stone 30x12x10 ins. 20 ins. in the ground for standard 1/4 sec. cor. Marked S C 1/4 on north face, dig pits 18x18x12 ins. E and W of stone 3 ft. distant and raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high north of corner.

From stone a spring bears S 28°15' E about 10 chains distant.

A spring bears S 19° E 650 lks. distant. I discontinue standard at this corner.

Land mountainous.
 Soil 2nd and 3rd rate with good growth of bunch grass. No timber.

Mountainous land 40.00 chains.
 June 15th 1905.

East Boundary of T 20 N.R. 54 E, M.D.M.

Chains

From corner of sections 19,30,24 and 25 which I find as described by Surveyor General, I run north on a true line bet. sections 19 and 24.

Ascend

30.00 Top of spur trend N 45° W and S 45° E
300 ft. above sec. cor.

Descend

38.75 Ravine ^{cont^{ns}} N 50° W 250 ft. below top of spur.

Ascend

40.00 Set a stone 15x12x10 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant and raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high west of corner.

52.00 Top of Divide between Peters creek and Cottonwood creek, trend W and E
250 ft. above ravine.

Descend

72.80 Ravine ^{cont^{ns}} N 45° W 350 ft. below top of divide.

Ascend

79.00 Top of spur trend N 45° W and S 45° E
100 ft. above ravine.

29. 728

East Boundary of T 20, N.R. 54 E, M.D.M.

Chains

Descend

80.00 Set a stone 20x14x10 ins. in a mound of stone 3 ft. base 1 1/4 ft. high for corner of sections 13, 18, 19 and 24. Marked 3 notches on north and south edges, and raise a mound of stone 4 ft. base 2 ft. high west of corner.

Pits impracticable owing to rocky character of the soil.

Mountainous land.

Soil 2nd and 3rd rate, good growth of grass. No timber.

Mountainous land 80.00 chains.

North on a true line between sections 13 and 18.

Descend

5.50 Ravine ^{course} N 60° W 75 ft. below top of spur.

Ascend

12.50 Top of spur trend N 50° W and S 50° E 80 ft. above ravine.

Descend

19.00 A draw ^{course} N 60° W 90 ft. below top of

22930.

East Boundary of T. 20, N.R. 54 E, M.D.M.

Chains

spur.

Ascend

21.50 Top of spur between Mill creek and Cottonwood creek, trend N 55° W and S 55° E 70 ft. above draw.

Descend

33.30 Mill creek 5 lks. wide ^{course} N. 50° W 90 ft. below top of spur.

From this point a spring, the source of Mill Creek bears S 60° E 250 lks. distant.

Ascend

34.90 Old road bears N 50° W and S 50° E.

40.00 Set a stone 14x10x10 ins. 9 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high west of cor.

42.00 Point of spur trend W and E 85 ft. above Mill creek.

Descend

51.50 Ravine ^{course} W. 65 ft. below top of spur.

Ascend

59.00 Top of spur trend W and E 80 ft.

31. 230

East Boundary of T 20 N.R. 54 E, M.D.M.

Chains

above ravine.

Descend

63.90 Ravine ^{course} W. 75 ft. below top of spur.

Ascend

80.00 Set a stone 14x10x10 ins. 9 ins. in the ground for corner of sections 7, 12, 13 and 18.

Marked 4 notches on south and 2 notches on north edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of earth and stone 4 ft. base 2 ft. high west of corner. Land mountainous. Soil 2nd and 3rd rate with good growth of grass. No timber. Mountainous land 80.00 chains.

June 16th, 1905.

At 1 h 30 m P.M. L.M.T. I set off $39^{\circ}35'$ N on latitude arc and $23^{\circ}22'N$ on declination arc and determine a true meridian with the solar at the corner of sections 7, 12, 13 and 18. Thence I run north between sections 7 and 12.

231

East Boundary of T 20 N.R. 54 E, M.D.M.

Chains

	Ascend
2.00	Top of spur trend W and E 35 Ft. above sec. corner
	Descend
13.60	A spring branch 4 lks. wide course N 45° W 50 ft. below top of spur.
	Ascend
25.00	Top of spur trend N 50° W and S 50°E 40 ft. above ravine.
	Descend
27.00	Ravine course N 50° W a 20 ft below top of spur.
	Ascend
34.00	Top of spur trend N 55° W and S 55°E 60 ft. above ravine.
	Descend
40.00	Set a stone 14 x 10 x 9 ins. 9 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face, dig pits 18 x 18 x 12 ins. N and S. of stone 3 Ft. distant and raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high west of corner.
58.90	A spring branch 3 lks. wide course

East Boundary of T 20 N. R 54 E. M.D.M.

N 60° W 80 ft. below top of spur.

Ascend

67.00 Top of spur trend N 55° W and S 55° E
95 ft. above ravine.

Descend.

78.15 A spring branch 4 lks. wide course
N 80° W 100 ft. below top of spur.

Ascend

80.00 Set a stone 16 x 10 x 8 ins. 10 ins.
in the ground for cor. of sections
1, 6, 7 and 12. Marked 5 notches on
south and 1 notch on north edge; dig
pits 18 x 18 x 12 ins. in each section
5 1/2 ft. distant and raise a mound of
earth and stone 4 ft. base 2 ft. high

west of corner from stone,

A cottonwood 8 ins. in diam. bears
S 69° 30' E 237 lks. distant. Marked

T 20 N R 55 E S 7 B T .

A cottonwood 12 ins. in diam bears
S 38° 45' W 271 lks. distant. Marked

T 20 N R 54 E S 12 B T .

A cottonwood 10 ins. in diam. bears
N 69° 10' ^W E 375 lks. distant. Marked

T 20 N R 55 E S 1 B T .

Land mountainous .

East Boundary of T 20 N R 54 E. M.D.M.

Chains

Soil 2nd and 3rd rate, good growth of bunch grass.

No timber except a few cottonwood trees along spring branch.

Mountainous land 80.00 chains.

North on a true line between sections 1 and 6.

Ascend.

3.80 A spring bears W 10 lks. distant from which the water flows south.

22.22 Top of spur trend N 80° W and S 80° E 300 ft. above spring branch.

Descend.

33.70 Enter dense growth of wild cherry bears E and W.

35.20 Leave cherry thicket bears E and W.

35.50 A draw course W 190 ft. below top of spur.

Ascend.

40.00 Set a stone 16 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face, dig pits 18 x 18 x 12 ins. N and S of stone 3 ft. distant and raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high west

35.

234

East Boundary of T 20 N R 54 E, M.D.M.

Chains.

of corner.

58.00 Top of spur trend W and E 350 ft.
above draw.

Descend

77.05 Ravine course N 75° W continue descent.

80.20 Intersect 4th standard parallel north

at a point 350 lks. east of standard
Tp. corner of T 21 N Ranges 54 and
55 E and sections 31 and 36. At point
of intersection I set a stone 20 x 12
x 10 ins. 14 ins in the ground for
closing corner of T 20 N Ranges 54 and

55 E. M.D.M. and sections 1 and 6.

Marked C C T 20 N on south R 54 on
west and R 55 on east with 6 grooves

on south, east and west faces, dig pits

30 x 24 x 12 ins. crosswise on ^{each} east
line E and W 4 ft. and S of stone 8 ft.

distant, raise a mound of earth and
stone 5 ft. base 2 1/2 ft. high south
of corner.

Land mountainous.

Soil 2nd and 3rd rate with good growth
of bunch grass. No timber.

Mountainous land 80.20 chains.

June 16th, 1905.

275. 36.

Exterior Boundaries of T. 20 N., R. 54 E., M.D.M.

Latitude, Departures and Closing Errors.

Line Designated	True Bearing	Latitudes		Departures	
		Distance	N. S.	E.	W.
East Boundary	North	320.20	320.20		
North "	West	244.60			244.60
W.bdy.Sec. 3.	S.1°34'E.	39.90		39.89	1.10
W. " " "	S.1°17'E.	39.75		39.74	.90
W. " " 10.	S.0°42'E.	39.90		39.90	.50
W. " " "	S.0°41'E.	39.86		39.86	.48
W. " " 15.	S.0°39'E.	40.95		40.95	.46
W. " " "	S.0°17'E.	39.80		39.80	.20
S. " " "	S.89°58'E.	80.80		.05	80.80
S. " " 14.	S.89°57'E.	80.00		.07	80.00
W. " " 24.	S.0° 1'E.	80.00		80.00	.02
S. " " 24.	S.89°57'E.	80.18		.07	80.18
Convergency	West				.20
		320.20	320.33	244.64	244.80
			320.20	Error in De-	244.64

Error in Latitude= .13 parture= .16

John W. Fitzpatrick
U.S. Deputy Surveyor

236.

37.

237 38.

39. 238

4.—LIST OF NAMES.

A list of the names of the individuals employed by-----
 John W. Fitzpatrick-----, United States Deputy
 Surveyor, to assist in running, measuring, and marking the lines and
 corners described in the foregoing field notes in the ---survey of-----
 4th Standard Parallel North-----
 through Range 54 and 55 East-----
 and east boundary of-----
 Township 20 North.-----
 -----Range 54 East-----
 of the Mount Diablo base and meridian, in the district of Nevada, show-
 ing the respective capacities in which they acted.

- Frank C. Cook;-----, Chainman.
- Earl Fitzpatrick-----, Chainman.
- Carroll Fitzpatrick-----, Chainman.
- H. F. Menough-----, Chainman.
- Frank Pastorino-----, Moundman
- , Axman.
- Paul Pedrioli-----, Flagman.

11635b200-2-04

240.

11 100000

5.—FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted

John W. Fitzpatrick
United States Deputy Surveyor in surveying all those parts

or portions of *4th Standard*

Parallel North through
Ranges 54 and 55 East
and East Boundary of
Township 20 North
Range 54 East

Mount Diablo meridian, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed and the corner monuments established according to the instructions furnished by the Surveyor-General for Nevada.

- Frank C. Cook*, Chairman.
- Earl Fitzpatrick*, Chairman.
- Carroll Fitzpatrick*, Chairman.
- H. S. Menzies*, Chairman.
- F. Pastorino*, ~~Chairman~~ ^{groundman} Assman.
- Paul Pedrick*, Assman.
- Paul Pedrick*, Flagman.

Subscribed and sworn to before me this *15th* day of

July, 190*5*

J. H. Hoehn
County Clerk

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243

6.—FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John. W. Fitzpatrick.
 United States Deputy Surveyor, do solemnly swear that in pursuance of
 instructions received from Matthew. Kyle.
 United States Surveyor-General for Nevada, bearing date of the
28, th; day of November;, 190 4,
 I have well, faithfully, and truly, in my own proper person, and in strict
 conformity with the instructions furnished by the United States Sur-
 veyor-General for Nevada. the Manual of Surveying Instructions, and
 the laws of the United States, surveyed all those parts or portions of
The 4th; Sandard Parallel North, through
Ranges 54 and 55 East, and East Boundary of.
Township 20 North
Range 54 East.

of the Mount Diablo base and meridian, in the district of Nevada, which
 are represented in the foregoing field notes as having been surveyed by
 me and under my directions; and I do further solemnly swear that all
 the corners of said survey have been established and perpetuated in
 strict accordance with the Manual of Surveying Instructions and the
 special written instructions of the United States Surveyor-General for
 Nevada, and in the specific manner described in the field notes, and that
 the foregoing are the TRUE field notes of such survey; and should any
 fraud be detected, I will suffer the penalty of perjury, under the pro-
 visions of an act of Congress approved August 8, 1846.

John W. Fitzpatrick
 United States Deputy Surveyor.

Subscribed and sworn to before me this 2nd day
 of Aug, 190 5

M. J. [Signature]

DEPUTY COUNTY CLERK AND EX-OFFICIO
 DEPUTY CLERK OF THE SUPERIOR COURT.

11637b200-2-04

244

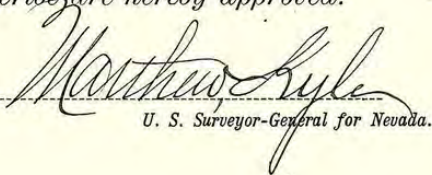
245

After Book C.

U. S. Surveyor-General's Office,

Reno, Nev., November 20, 1906;

The foregoing field notes of the Survey of the
 FOURTH STANDARD PARALLEL NORTH,
 thru Ranges No. 54 and 55 E.,
 and of the EAST BOUNDARY of
 Township No. 20 N., Range No. 54 E. of the Mount
 Diablo Meridian, contained in Books = C,
 executed by John W. Fitzpatrick, D.S.
 under his Contract No. 246, dated November 15,
 1904, in the month of June, 1905,
 having been critically examined, the necessary correc-
 tions and explanations made, the said field notes and
 the surveys they describe are hereby approved.


 U. S. Surveyor-General for Nevada.

21419b300-1-06

246

247

248.

249

AUG 8 Rec'd
Book D.

REPORT:
Filed **OCT 16 1905** 189
Examined by *M.H.A.*
Transcribed by *J.L.V.*
Compared by *J.W.M. M.H.A.*

FIELD NOTES,
OF THE SURVEY OF THE
Subdivision lines

- OF -

Township No. 20 North
Range No. 54 East

- OF THE -

MT. DIABLO BASE AND MERIDIAN,

- IN THE -

DISTRICT OF NEVADA,

AS SURVEYED BY

John W. Fitzpatrick
U S. Deputy Surveyor,

Under his Contract No. 246

Dated November 15th 1904, 789-4
Survey commenced June 17th 1905, 789-5
Survey completed June 20th 1905, 789-5

250

Names and Duties of Assistants.

-, *Compassman.*
- Earl Fitzpatrick, *Chainman.*
- Carroll Fitzpatrick, *Chainman.*
- Frank C Cook, *Chainman.*
-, *Chainman.*
- Frank Pastorino **Moundman.**
- Thomas Gleason **Moundman.**
- Frank C Cook *Flagman.*

6	5	4	50	3	39	2	16	1
+	+	+	+	37	+	35	+	15
7	8	9	47	10	31	11	13	12
+	+	+	+	29	+	27	+	12
18	17	16	42	15	24	14	10	13
+	+	+	+	21	+	18	+	8
19	20	21	22	23	24			
+	+	+	+	+	+			
30	29	28	27	26	25			
+	+	+	+	+	+			
31	32	33	34	35	36			
+	+	+	+	+	+			

(11921-10 M.) 6-389

I.—PRELIMINARY OATH OF CHAINMEN.

We, ^{Frank S. Cook} *Carl Fitzpatrick*
 and *Carroll Fitzpatrick*
 do solemnly swear that we will well and faithfully execute
 the duties of chainmen; that we will level the chain upon
 even and uneven ground and plumb the tally pins, either
 by sticking or dropping the same; that we will report the
 true distance to all notable objects, and the true length of
 all lines that we assist in measuring, to the best of our skill
 and ability, and in accordance with instructions given us,
 in the survey of the *sub division lines*
Tp. 20 N. R. 54 E. T. 1 D. M.

of the Mount Diablo base and meridian, in the District of Nevada.

Carl Fitzpatrick, Chainman.
Carroll Fitzpatrick, Chainman.
Frank S. Cook, Chainman.
 _____, Chainman.

Subscribed and sworn to before me this *22* day of *May*, 190*5*.

J. W. Haegh
 County Clerk

252

2.—PRELIMINARY OATH OF AXIEN.

We, Thomas Gleason
and Frank Pastorino

do solemnly swear that we will well and truly perform the duties of ~~axien~~ ^{surveyors}, in the establishment of corners and other duties, according to instructions given us, and to the best of

our skill and ability in the survey of sub-division
lines of Tp. 26 N. R. 54 E.

of the Mount Diablo base and meridian, in the District of Nevada.

Thos Gleason ^{Surveyor}
Fr Pastorino ^{Surveyor}

Subscribed and sworn to before me this 22 day of
May, 1905

J. H. Waugh
County Clerk

254

3.—PRELIMINARY OATH OF FLAGMEN.

We, Frank C. Cook

and _____

do solemnly swear that we will well and truly perform the duties of flagmen, in the establishment of corners and other duties, according to instructions given us, and to the best of

our skill and ability in the survey of subdivision
lines of Twp. 20 N. R. 04 E.

of the Mount Diablo base and meridian, in the District of Nevada.

Frank C Cook, Flagman.

_____, Flagman.

Subscribed and sworn to before me this 22 day of

May 1905

J. W. Kaeh
County Clerk

256

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3

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains.

June 17th 1905.

At 8 h 30 m A.M. l.m.t. I set off

39° 34' N on the latitude arc and 23°
23' N on declination arc and determine

a true meridian with the solar at

the corner of sections 13, 14, 23 and

24, which corner I find to be a stone

20x12x10 ins. Marked 3 notches on

south and 1 notch on east edge in a

small mound of stone. I re-establish-

ed corner by enlarging mound around

corner to 3 ft. base 1 1/4 ft. high

and raised a mound of stone 4 ft.

base 2 ft. high west of corner.

Thence I run S 89° 57' E on a random

line between sections 13 and 24.

40.00 Set a temp. 1/4 sec. corner.

80.00 Intersect east boundary of township
at a point 7 lks. south of corner of
sections 18, 19, 13 and 24.

Thence I run west on a true line between
sections 13 and 24.

Descend

7.00 Ravine ^{Course} .N. 40° W 75 ft. below section
corner.

Ascend

9. 258.

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains

- 8.32 Old road bears N 40° W and S 40° E.
- 13.00 Enter cottonwood timber bears N 45° E and S 45° W.
- 17.00 Leave cottonwood timber bears N 40° E and S 40° W.
- 27.50 Top of spur trend N 35° W and S 25° E 200 ft. above ravine.
- Descend
- 31.80 Trail bears N 45° E and S 45° W.
- 33.00 Head of draw^{center} N 40° W.
- Continue descent.
- 36.50 Ravine^{center} N 20° W 65 ft. below top of spur.
- Ascend
- 40.00 Set a stone 12x12x10 ins. 8 ins. in the ground for 1/4 sec. cor. Marked 1/4 on north face, dig pits 18x18x12 ins. E and W of corner 3 ft. distant and raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high north of corner.
- 45.00 Top of spur trend north and south 65 ft. above ravine.
- Descend
- 55.00 Cottonwood spring bears North about

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains

10 chains distant.

55.50 Ravine ^{corner} N 70 ft. below top of spur.

Ascend

68.40 Top of high ridge between Peters creek
and Cottonwood creek, trend N and S 50 ft.
above ravine.

Descend

80.00 The cor. of sections 13, 14, 23 and 24.
Mountainous land.Soil 2nd and 3rd rate with good growth
of grass.

Mountainous land 80.00 chains.

N 0° 1' W between sections 13 and 14.

Ascend

15.00 Summit of ridge between Peters creek
and Cottonwood creek, trend N 50° W
and S 50° E 150 ft. above section cor-
ner.

Descend

40.00 Set a stone 16x12x8 ins. 10 ins. in
the ground for 1/4 sec. cor. Marked
1/4 on west face, dig pits 18x18x12
ins. N and S of stone 3 ft. distant
and raise a mound of stone 3 1/2 ft.

11.

260.

Subdivision of T 20 N R 54 E, M.D.M.

Chains

- 44.40 base 1 1/2 ft. high west of corner.
Cottonwood creek 8 lks. wide ^{cont'} N 70°
W 600 ft. below top of ridge.
Ascend
- 44.70 Road bears N 70° W and S 70° E.
- 57.50 Top of spur between Cottonwood creek
and Mill Creek trend N 40° W and S 40°
E 175 ft. above Cottonwood creek.
Descend
- 80.00 Set a stone 24x12x8 ins. 14 ins. in
the ground for corner of sections
11, 12, 13 and 14. Marked 4 notches
on south and 1 notch on east edge,
and raise a mound of stone 4 ft.
base 2 ft. high west of corner
- A Cottonwood 8 ins. in diam. bears
N 77° 10' E 7 lks. distant.
Marked T 20 N R 54 E S 12 B T.
- A Cottonwood 8 ins. in diam. bears
S 63° E 27 lks. distant.
Marked T 20 N R 54 E S 13 B T.
- A Cottonwood 6 ins. in diam bears
N 31° 30' W 34 lks. distant.
Marked T 20 N R 54 E S 11 B T.

Subdivision of T 20 N R 54 E, M.D.M.

Chains

Land mountainous.

Soil 2nd and 3rd rate, covered with good growth of bunch grass.

No timber except Cottonwood along the creeks.

Mountainous land 80.00 chains.

From cor. of sections 11, 12, 13 and 14 I run East on a random line between sections 12 and 13.

40.00 Set a temp. 1/4 sec. corner.

80.10 Intersect east boundary of township at a point 9 lks. south of corner of sections 7, 12, 13 and 18. Thence I run S 89° 56' W on a true line between sections 12 and 13.

Descend

13.34 Head of ravine ^{course} S 40° W.

Continue descent.

22.70 Ravine ^{course} S 40° W 150 ft. below section corner.

Ascend.

33.00 Top of spur trend S and N 80 ft. above ravine.

Descend

40.05 Set a stone 16x12x10 ins. 10 ins. in

13. 262

Subdivision of T 20, N.R., 54 E, M.D.M.

Chains

the ground for 1/4 sec. cor.
Marked 1/4 on north face, dig pits,
18x18x12 ins. E and W of stone 3
ft. distant and raise a mound of
earth and stone 3 1/2 ft. base 1 1/2
ft. high north of corner.

- 43.30 Old road bears N 40° W and S 40° E.
71.00 Bluff of rock 8 ft. high bears N and S.
77.80 Mill creek 10 lks. wide ^{course} N 80° W
200 ft. below top of spur.

Ascend

- 80.10 The corner of sections 11, 12, 13
and 14.
Land mountainous. Je
Soil 2nd and 3rd rate, good growth
of bunch grass. No timber.
Mountainous land 80.10 chains.

N 0° 1' W between sections 11 and 12.

Descend

- .67 Mill creek 10 lks. wide ^{course} N 87° W
150 ft. below top of spur.

Ascend

- 14.00 Top of spur trend N 75° W and S 75° E.

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains	30 ft. above Mill creek. Descend
34.25	Road bears east and west.
36.38	Ravine course S 65° W 80 ft. below top of spur. Ascend
40.00	Set a stone 14x12x8 ins. 9 ins. in the ground for 1/4 sec. corner. Marked 1/4 on west face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant and raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high, west of corner.
46.00	Top of spur trend N 45° W and S 45° E 150 ft. above ravine. Descend
49.10	Ravine course N 45° W 75 ft. below top of spur. Ascend
51.00	Point of spur trend W and E 25 ft. above ravine. Descend
52.00	Ravine course W 20 ft. below top of spur. Ascend
52.50	Top of spur trend W and E 80 ft.

15.

264

Subdivision of T. 20 N.R. 54 E, M.D.M.

Chains

above ravine.

Descend

80.00

Set a stone 14x10x10 ins. 9 ins. in the ground for corner of sections 1, 2, 11 and 12.

Marked 5 notches on south 1 notch on east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of earth 4 ft. base 2 ft. high, west of corner.

Mountainous land.

Soil 2nd rate, covered with sage brush and bunch grass.

No timber.

Mountainous land 80.00 chains.

From corner of sections 1, 2, 11 and 12 I run N 89° 56' E on a random line between sections 1 and 12.

40.00

Set a temp. 1/4 sec. cor.

79.96

Intersect east boundary at a point 6 lks. N. of corner of sections 1, 6 and 12.

Thence I run S 89° 59' W on a true line between sections 1 and 12.

Descend

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains

- 28.00 Spring branch 5 lks. wide ^{course} N 50° W
150 ft. below sec. cor.
- Ascend
- 32.00 Top of spur trend N 45° W and S 45° E
25 ft. above spring branch.
- Descend
- 39.98 Set a stone 16x12x8 ins. 10 ins. in
the ground for 1/4 sec. cor.
Marked 1/4 on north face, dig pits
18x18x12 ins. E and W of stone 3 ft.
distant and raise a mound of stone
3 1/2 ft. base 1 1/2 ft. high north
of corner.
- 79.96 The corner of sections 1,2,11 and 12.
Land mountainous.
Soil 2nd rate with dense growth of
sage brush and bunch grass.
Mountainous land 79.96 chains.
-
- N 0° 1' W on a true line between sec-
tions 1 and 2.
- Descend
- 15.25 Ravine ^{course} S 80° W 100 ft. below top of
spur.
- Ascend

17. 266

Subdivision of T 20 N R 54 E, M.D.M.

Chains.

24.00 Top of spur trend N 80° W and S 80° E
125 ft. above ravine.

Descend

31.10 Wire fence bears E and W.

35.18 Ravine ~~cor~~ N 70° W 100 ft. below top of
spur.

Ascend

40.00 Set a stone 14x10x8 ins. 9 ins. in
the ground for 1/4 sec. cor. Marked
1/4 on west face, dig pits, 18x18x12
ins. N and S of stone 3 ft. distant
and raise a mound of earth and stone
3 1/2 ft. base 1 1/2 ft. high west of
corner.

54.00 Top of spur trend N 70° W and S 70° E
160 ft. above ravine.

Descend

58.50 Ravine ~~cor~~ W 60 ft. below top of spur.

Ascend

61.50 Top of spur trend W and E 150 ft.
above ravine.

Descend

63.60 Ravine ~~cor~~ W 40 ft. below top of spur.

Ascend

71.00 Top of spur W and E 80 ft. above
ravine.

267

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains

79.13 Descend
Ravine W 95 ft. below top of spur.

80.25 Ascend
Intersect 4th Standard Parallel north
at a point 357 lks. east of standard
corner of sections 35 and 36. T 21
N R 54 E at point of intersection I
set a stone 18x12x10 ins. 12 ins. in
the ground for closing corner of
sections 1 and 2.

Marked C C on south with 1 groove on
east and five grooves on west face,
dig pits 24x18x12 ins. crosswise on
each line E and W 3 ft. and S of stone
7 ft. distant and raise a mound of
stone 4 ft. base 2 ft. high south
of corner.

Land mountainous.

Soil 2nd rate, good growth of bunch
grass.

Mountainous land 80.25 chains.

June 17, 1905.

Being unable to find the cor. of
sections 14,15,22 and 23 I begin at

19. 268

Subdivision of T 20 N R 54 E, M.D.M.

Chains

the corner of sections 13,14,23 and 24 and run west on a random line retracing south boundary of sec. 14.

40.00

The old 1/4 sec. corner bears North 4 lks. distant.

80.00

To a point 7 lks. south of old section corner of sections 14,15,22 and 23 which is an old decayed post, mound and pits obliterated.

I re-establish corner by setting a Juniper post 3 ft. long 4 ins. square with marked stone 24 ins. in the ground for corner of sections 14,15, 22 and 23. Marked T 20 N S 14 on N E R 54 E S 23 *on* S E, S 22 on S W and S 15 on N W face with 3 notches on south and 2 notches on east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of earth 4ft. base 2 ft. high west of corner.

Thence I run S 89° 57' E on a true line between sections 14 and 23.

Descend

2.50

A draw ^{Course} N 35 ft. below sec. cor.

Ascend

269

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

- 5.25 Point of spur trend N 45° W and S 45° E
50 ft. above draw.
Continue ascent
- 18.50 Head of ravine ^{course} N 45° W.
- 25.00 Point of spur trend N 50° W and S 50°
E 250 ft. above draw.
Descend
- 28.50 Head of small ravine ^{course} N 40° W 30 ft.
below top of spur.
Ascend
- 34.50 Top of spur trend S 35° W and N 35° E
225 ft. above ravine.
Descend
- 37.00 A draw ^{course} S 20° W 25 ft. below top of
spur.
Ascend
- 40.00 The 1/4 sec. cor. which is a stone
20x14x12 ins. Marked 1/4 on north
face in a small mound of stone I re-
establish cor. by setting stone 14
ins. in the ground, dig pits 18x18
x12 ins. E and W of stone 3 ft. dis-
tant and raise a mound of stone 3 1/2
ft. base 1 1/2 ft. high north of cor-
ner.

21. 270,

Subdivision of T 20 N R 54 E, M.D.M.

Chains

59.95 A wire fence bears N 30° W and S 30° E.
61.00 Ravine ^{course}S 50° W.
74.15 Bluff of rock 10 ft. high bears N 30°
E and S 30° W.
80.00 The cor. of secs. 13,14,23 and 24.
Mountainous land.
Soil 2nd and 3rd rate with good growth
of bunch grass.
No timber.
Mountainous land 80.00 chains.

June 18th, 1905.

At 10 h 0 m A.M. 1.m.t. I set off
39° 34' N on the latitude arc and 23°
25' W on the declination arc and deter-
mine a true meridian with the solar
at the corner of secs. 14,15,22 and
23.

Thence I run west on a random line
on south boundary of sec. 15.

40.00 Failed to find old 1/4 sec. cor. set
a temp. cor. and continue line west.
80.80 To a point 5 lks. south of cor. of
sections 15,16,21 and 22 which is a
small mound of earth pits almost

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains

obliterated.

I re-established corner by setting a stone 18x12x10 ins. 12 ins. in the ground marked 3 notches on south and 3 notches on east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of earth and stone 4 ft. base 2 ft. high, west of corner.

From stone

A Juniper 8 ins. in diam. bears N 34° 30' W 98 lks. distant. Marked T 20 N R 54 E S 16 B T. A Juniper 5 ins. in diam. bears N 21° 15' E 78 lks. distant.

Marked T 20 N R 54 E S 15 B T.

A Juniper 6 ins. in diam. bears S 25° 30' E 128 lks. distant. Marked T 20 N R 54 E S 22 B T. A Juniper 7 ins. in diam. bears S 11° 45' W 164 lks. distant. Marked T 20 N R 54 E S 21 B T. Thence I run S 89° 58' E on a true line between sections 15 and 22.

Descend

1.23 Road bears N and S.

3.70 Wire fence bears N and S, and enter

23. 272

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

- enclosure of J. J. Peters.
- 7.90 Spring branch 5 lks. wide ^{course} N. 80 ft. below section corner at this point south bank of a small reservoir bears N 17 lks. distant.
- 12.80 Wire fence bears N and S, and leave enclosure. Ascend
- 14.00 Ravine ^{course} S 45° W.
- 17.15 Ditch 3 lks. wide ^{course} N. 45° E.
- 18.35 Head of same ravine course N 50° W
- 40.40 Set a stone 16x10x10 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 on north face, dig pits 18x18x12 ins. E and W of stone 3 ft. distant and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high north of corner from stone,
A Nut Pine 6 ins. in diam. bears S 18 W 215 lks. distant. Marked 1/4 S 22 B T. A Juniper 6 ins. in diam. bears N 88° 30' E 354 lks. distant, marked 1/4 S 15 B T.
- 44.60 Top of spur trend N 35° W and S 40° E

Subdivision of T. 20 N R 54 E, M.D.M.

Chains

350 ft. above spring branch.

Descend

54.80 Draw .N. 75 ft. below top of spur.

Ascend

56.80 Road bears N 40° W and S 40° E.

64.80 Top of spur trend south and north 40
ft. above draw.

Descend

71.30 Ravine S 45° W 45 ft. below top of
spur.

Ascend

78.80 Top of spur trend N and S 45 ft.
above ravine.

Descend

80.80 The cor. of secs. 14,15,22 and 23.

Land mountainous.

Soil 1st and 2nd rate with dense
growth of sagebrush and bunch grass

Small scattering Juniper timber.

Mountainous land 80.80 chains.

From cor. of sections 14,15,22 and 23

I run N 0° 2' W on a true line between
sections 14 and 15.

Descend

25.. 274

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

5.60 Ravine ^{Course} N 40° W 250 ft. below section corner.

Ascend

14.25 Top of spur trend N 70° W and S 70° E 40 ft. above ravine.

Descend

16.00 Ravine ^{Course} N 70° W 25 ft. below top of spur.

Ascend

18.50 Top of spur trend N 75° W and S 75° E 20 ft. above ravine.

Descend

20.00 Ravine ^{Course} N 80° W 20 ft. below top of spur.

Ascend

26.25 Top of spur trend W and S 50 ft. above ravine.

Descend

35.00 Ravine ^{Course} S 80° W 45 ft. below top of spur.

Ascend

40.00 Set a stone 12x10x10 ins. 8 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant, and raise a mound of earth and stone

Subdivision of T 20 N R 54 E, M.D.M.

Chains.

3 1/2 ft. base 1 1/2 ft. high west of corner.

From stone,

A Juniper 6 ins. in diam. bears S 63° 15' W 380 lks. distant, marked 1/4 S 15 B T. A juniper 4 ins. in diam. bears N 84 E 200 lks. distant. Marked 1/4 S 14 B T.

45.00 Ravine ^{trace} S 30° W 65 ft. below top of spur.

Ascend

45.50 Road bears N 35° E and S 35° W.

55.00 Top of ridge between Peters creek and Cottonwood creek trend W and E 150 ft. above ravine.

Descend

70.18 Wire fence bears N 80° W and S 80° E.

80.00 Set a stone 18x12x10 ins. in a mound of stone 2 1/2 ft. base 1 ft. high for cor. of sections 10,11,14 and 15, marked 4 notches on south and 2 notches on east edge and raised a mound of stone 4 ft. base 2 ft. high west of corner, from corner

A Juniper 8 ins. in diam. bears N 50° W 127 lks. distant, marked T 20 N R

Subdivision of T 20 N R 54 E, M.D.M.

Chains

54 E S 10 B T.

A Juniper 6 ins. in diam bears N 25° 30' E 52 lks. distant. Marked T 20 N R 54 E S 11 B T. A Juniper 12 ins. in diam. bears S 9° 30' E 163 lks. distant, marked T 20 N R 54 E S 14 B T. A Juniper 5 ins. in diam. bears S 51° 30' W 214 lks. distant marked T 20 N R 54 E S 15 B T.

Land mountainous.

Soil 2nd rate covered with dense growth of sagebrush and bunch grass.

Scattering Juniper timber.

Mountainous land 80.00 chains.

From cor. of sections 10, 11, 14 and 15, I run S 89° 57' E on a random line between secs. 11 and 14.

40.00 Set a temp 1/4 sec. cor.

79.92 Intersect N and S line at a point 10 lks. North of cor. of secs. 11, 12, 13 and 14.

Thence I run N 89° 53' W on a true line between secs. 11 and 14. South side of Mill creek.

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains	
12.00	Mill creek is north of line 100 lks. distant and flows N 60° W.
	Ascend
17.00	Top of spur trend N 60° W and S 60° E 75 ft. above point of ascent.
	Descend.
39.96	Set a stone 15x10x10 ins, 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 on north face, dig pits 18x18x12 ins. E and W of stone 3 ft. distant and raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high north of corner.
48.00	Head of ravine ^{course} N 45° W 60 ft. below top of spur.
	Ascend
62.86	Top of spur trend N 50° W and S 50° E 150 ft. above ravine.
	Descend
72.68	Cottonwood creek 10 lks. wide N 15° W 90 ft. below top of spur.
	Ascend
76.87	Top of spur trend N and S 75 ft. above creek.
	Descend
78.71.	Head of draw ^{spur} N 40° E 15 ft. below

Subdivision of T 20 N R 54 E, M.D.M.

Chains

top of spur.

Ascend

79.92 The cor. of secs. 10, 11, 14 and 15.
Mountainous land.
Soil 2nd rate, good growth of grass.
Mountainous land 79.92 chains..

Knowing that line west between secs.
10 and 15 will not close within limit.
I run west on a true line between said
sections 10 and 15.

Ascend

3.50 Top of spur trend N and S 25 ft. above sec
corner.

Descend

5.25 Ravine ~~course~~ N 45° W 25 ft. below top of
spur.

Ascend

7.50 Top of spur trend N 40° W and S 40° E
20 ft. above ravine.

Descend

13.00 Ravine ~~course~~ N 50° W 45 ft. below top of
spur.

Ascend

17.25 Top of spur trend N 20° W and S 20° E
40 ft. above ravine.

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains	
	Descend
22.20	Ravine N 20° E 60 ft. below top of spur.
	Ascend
30.50	Top of spur trend N and S 80 ft. above ravine.
	Descend
40.00	Set a stone 12x12x10 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on north face, dig pits 18x18x12 ins. E and W of stone 3 ft. distant, and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, north of corner.
53.40	Ravine N 50° W 65 ft. below top of spur.
	Ascend
62.00	Top of spur trend N 60° W and S 60° E 80 ft. above ravine.
	Descend
77.50	Old road bears N and S.
81.47	Intersect N and S line at a point 75 lks. S 0° 39' E of corner of secs. 9, 10, 15 and 16 at a point of intersection I set a stone 12x10x10 ins. 8 ins. in the ground for closing corner

31. 280

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains.

of sections 10 and 15 marked C C on E
4 grooves on south and 2 grooves on
north face, dig pits 24x18x12 ins.
crosswise on each line N and S 3 ft.
and east of stone 7 ft. distant
raise a mound of earth 4 ft. base,
2 ft high, east of corner.

From stone

A Juniper 6 ins. in diam bears N 78°
15' E 84 lks. distant.

Marked T 20 N R 54 E S 10 B T.

No other tree near to Mark.

Land mountainous.

Soil 2nd rate with growth of sage-
brush and bunch grass.

small scattering Juniper timber.

Mountainous land 81.47 chains.

June 18th, 1905.

From cor. of secs. 10, 11, 14 and 15 I
run N 0° 2' W between secs. 10 and 11.
Descend

Along east slope of spur.

25.45 Cottonwood creek 12 lks. wide course, N
45° W At this point a small spring

281

Subdivision of T 20 N R 54 E, M.D.M.

Chains

branch flows in from east 120 ft.
below sec. cor.

Ascend

27.60 Road bears N 40°W and S 40°E.

36.40 Top of spur between Mill creek and
Cottonwood creek trend W and E 150
ft. above creek.

Descend

39.65 Mill creek 10 lks. wide N 50°W 125
ft. below top of spur.

Ascend

40.00 Set a stone 18x14x8 ins. 12 ins. in
the ground for 1/4 sec. cor. Marked
1/4 on west face, raise a mound of
stone 3 1/2 ft. base 1 1/2 ft. high
west of corner, from stone

A Cottonwood 6 ins. in diam. bears S
65°W 6 lks. distant marked 1/4 S
10 B T.

A Cottonwood 7 ins. in diam. bears
S 36° 15' E 30 lks. distant. Marked
1/4 S 11 B T.

46.00 A spur trend W and E 100 ft. above
mill creek.

Descend

33.

282

Subdivision of T 20 N R 54 E, M.D.M.

Chains

49.37 Creek 6 lks. wide ^{cont.} W. 75 ft. below top of spur.

Ascend

50.30 An old stone house bears N 80° E 200 lks. distant.

50.35 Road bears N 70° W and S 70° E.

52.00 Point of spur trend W and E 35 ft. above creek.

Descend

55.50 Ravine ^{cont.} S 35° W 35 ft. below top of spur.

Ascend

59.50 Point of spur trend S 45° E and N 45° W 30 ft. above ravine.

Descend

60.50 Ravine ^{cont.} S 40° E 10 ft. below top of spur

Ascend

80.00 Set a stone 18x12x10 ins. 12 ins. in the ground for cor. of secs. 2,3,10, and 11. Marked 5 notches on south and 2 notches on east edge. Dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of earth 4 ft. base 2 ft. high west of corner.

283

Subdivision of T. 20 N.R. 54 E, M.D.M.

Chains

Mountainous land.
 Soil 2nd and 3rd rate, good growth
 of bunch grass.
 Mountainous land 80.00 chains.

June 19th, 1905.

At 10 h 45 m A.M. l.m.t. I set off $39^{\circ} 36'$
 N on the latitude arc and $23^{\circ} 26'$ N on
 the declination arc and determine a
 true meridian with the solar at the
 corner of secs. 2, 3, 10 and 11.
 Thence I run $S 89^{\circ} 53'$ E on a random
 line between sections 2 and 11.

40.00 • Set a temp 1/4 sec. cor.

80.09 Intersect N and S line at a point 16
 lks. south of cor. of sections 1, 2,
 11 and 12.

Thence I run west on a true line be-
 tween secs. 2 and 11.

Descend

16.50 A spring bears North 100 lks. distant
 from which the waters flow $N 60^{\circ} W$.

22.50 A draw $N 250$ ft. below sec. cor.

Ascend

29.00 Top of spur trend $S 45^{\circ} E$ and $N 45^{\circ} W$

Subdivision of T 20 N R 54 E, M.D.M.

Chains

150 ft. above ravine.

Descend

40.04 $\frac{1}{2}$ Set a stone 16x12x10 ins. 10 ins. in the ground for 1/4 sec. corner, marked 1/4 on North face, dig pits 18x18x12 ins. E and W of stone 3 ft. distant and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high north of corner from stone a Juniper 8 ins. in diam. bears N 18° 40' W 218 lks. distant marked 1/4 S 2 B.T.

54.00 Ravine ^{course} S 45° W 175 ft. below top of spur.

Ascend

56.00 Enter scattering Juniper timber bears N and S.

56.50 Point of spur trend S and N 75 ft. above ravine.

Descend

58.50 Head of ravine ^{course} S. 50 ft. below top of spur.

Ascend

80.09 The corner of sections 2, 3, 10 and 11. Mountainous land. Soil 2nd and 3rd rate with good growth

285

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

of bunch grass, timber Juniper.
Mountainous land 80.09 chains.

From corner of sections 2,3,10 and 11
I run west on a true line between
sections 3 and 10.

4.25 Ascend
Top of spur trend S 40° W and N 40° E
50 ft. above sec. cor.

10.50 Descend
Ravine ^{mn} N 50° W 75 ft. below top of
spur.

15.75 Ascend
Top of spur trend N 48° W and S 48° E
60 ft. above ravine.

40.00 Descend
Set a stone 14x12x10 ins. 9 ins. in
the ground for 1/4 sec. cor. Marked
1/4 on north face,

From which
A Juniper 5 ins. in diam bears N 21°
50' W 12 lks. distant, marked 1/4 S 3
B T. A Juniper 6 ins. in diam. bears
S 3° 45' E 13 lks. distant, marked 1/4
S 10 B T.

37. 288

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains	
57.17	Ravine ^{course} N 60° W 65 ft. below top of spur.
	Ascend
59.00	Top of spur trend N 25° W and S 25° E 30 ft. above ravine.
	Descend
69.00	Ravine ^{course} N 50° W 50 ft. below top of spur.
	Ascend
71.50	Top of spur trend N 45° W and S 45° E 40 ft. above ravine.
	Descend
75.80	Ravine ^{course} N. 40° W 50 ft. below top of spur.
	Ascend
80.45	Top of spur trend N 35° W and S 35° E 50 ft. above ravine.
	Descend
82.45	Intersect N and S line at a point 60 lks. S 0° 43' E of cor. of sections 4 and 9. At a point of intersection I set a stone 15x10x9 ins. 10 ins in the ground for closing corner of sections 3 and 10, marked C C on E 5 grooves on S and 1 groove on N face,

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

dig pits 24x18x12 ins. crosswise on each line N and S 3 ft. and E of stone 7 ft. distant, raise a mound of earth 4 ft. base 2 ft. high east of corner.

From stone

A Juniper 4 ins. in diam. bears N 85° 30' E 33 lks. distant, marked T 20 N R 54 E S 3 B T.

A Juniper 8 ins. in diam. bears S 53° E 46 lks. distant. Marked T 20 N R 54 E S 10 B T.

Mountainous land.

Soil 2nd and 3rd rate, timber Juniper. Mountainous land 82.45 chains.

From cor. of sections 2, 3, 10 and 11 - I run N 0° 2' W on a true line between secs. 2 and 3. Ascend

1.50 Top of spur trend S 55° W and N 55° E 25 ft. above sec. cor.

Descend

11.30 Ravine ~~cor.~~ N 45° W 200 ft. below top of spur.

Ascend

17.50 Top of spur trend N 40° W and S 40° E

Subdivision of T 20 N.R. 54 E, M.D.M.

Chains	
	40 ft. above ravine.
	Descend
30.00	Ravine <small>course</small> N 40° W 150 ft. below top of spur.
	Ascend
34.00	Top of spur trend N 43° W and S 43° E 30 ft. above ravine.
	Descend
40.00	Set a stone 14x12x10 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on west face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant and raise a mound of earth and stone 3 1/2 ft. base 1/2 ft. high west of corner.
	From stone
	A Juniper 6 ins. in diam. bears S 66° 30' E 176 lks. distant. Marked 1/4 S 2 B T. A Juniper 8 ins. in diam. bears S 58° W 149 lks. distant marked 1/4 S 3 B T.
40.35	Ravine <small>course</small> N 45° W 50 ft. below top of spur.
	Ascend
42.50	Point of spur trend N 45° W and S 45°

289.

Subdivision of T 20 N.R.54 E, M.D.M.

Chains

E 20 ft. above ravine.

Descend

46.55 Wire fence bears N 75° W and S 75° E.

47.50 A spring branch 5 lks. wide ~~course~~ W
40 ft. below top of spur.From this point a small reservoir bears
N 60° W 400 lks. distant.

Ascend

52.30 Road bears N 70° E and S 70° W.

54.00 Top of spur trend N 65° W and S 65° E,
35 ft. above spring branch.

Descend

58.75 Ravine ~~course~~ N 70° W 40 ft. below top of
spur.

Ascend

62.00 Point of spur trend S 80° W and N 80° E
30 ft. above ravine.

Descend

64.00 Ravine ~~course~~ S 45° W 25 ft. below top of
spur.

Ascend

80.20 Intersect 4th standard Parallel North
at a point 355 lks East of standard
corner of sections 34 and 35.
At point of intersection I set a stone

290.

Subdivision of T 20 N R 54 E, M.D.M.

Chains

18x12x8 ins. in the ground for closing corner of sections 2 and 3.
 Marked C C on south 2 grooves on east and 4 grooves on west face, dig pits 24x18x12 ins. crosswise on each line E and W 3 ft. and S of stone 7 ft. distant, and raise a mound of earth and stone 4 ft. base 2 ft. high south of corner.

From stone

A Juniper 6 ins. in diam. bears S $25^{\circ}30'$ E 150 lks. distant. Marked T 20 N R 54 E S 2 B T.

A Juniper 5 ins. in diam bears S $44^{\circ}15'$ W 116 lks. distant. Marked T 20 N R 54 E S 3 B T.

Mountainous land.

Soil 2nd and 3rd rate, timber Juniper.
 Good growth of bunch grass.

Mountainous land 80.20 chains.

June 19th, 1905.

Having ascertained by preliminary survey that the original survey between sections 3,4,9,10, 15 and 16

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

is wrong in alignment and measurement and that the corners are not in good condition. I proceed to make a re-survey of said line beginning at the section corner of sections 15,16,21 and 22 I run north between sections 15 and 16 on a random line.

39.80 The 1/4 sec. cor. bears west 20 lks. distant.

80.75 The sec. cor. of sections 9,10,15 and 16 bears west 66 lks. distant which is a broken stone marked 4 notches on south and 3 notches on east edge. In a small mound of stone, I re-establish corner by setting a new stone 18x10x10 ins. 12 ins. in the ground marked 4 notches on south and 3 notches on east edge for cor. sections 9 and 16, dig pits 18x18x12 ins. N W. and S W in each section 5 1/2 ft. distant and raise a mound of earth and stone 4 ft. base 2 ft. high west of corner. From stone

A Juniper 6 ins. in diam. bears S 20° 45' W 107 lks. distant. Marked T 20

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

N R 54 E S 16 B T.

A Juniper 5 ins. in diam. bears N
 36° 10' W 279 lks. distant, marked T
 20 N R 54 E S 9 B T.

Thence I run S 0° 39' E on a true line
 between sections 15 and 16.

Descend

1.45 Ravine ^{course} N 50° W 10 ft. below sec. cor.

Ascend

8.45 Top of spur trend N 60° W and S 60 ft.
above ravine.

Descend

16.11 Ravine ^{course} S 50° W 60 ft. below top of
spur.

Ascend

17.95 Top of spur trend W and E 45 ft. above
ravine.

Descend

21.77 Ravine ^{course} N 45° W 50 ft. below top of
spur.

Ascend

31.45 Top of spur trend N 45° W and S 45° E
40 ft. above ravine.

Descend

39.25 Road in a draw bears N 45° W and S 45° E

293

Subdivision of T 20 N R 54 E, M.D.M.

Chains

40 ft. below top of spur.

Ascend

40.95 The 1/4 sec. cor. which is a stone marked 1/4 on west face. In a small mound of stone I re-established corner by setting stone 12x10x8 ins, 8 inⁿ the ground, marked 1/4 on west face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant, raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high, west of corner, from stone,

A Juniper 4 ins. in diam. bears N 60° E 78 lks. distant, marked 1/4 S 15

B T. A Nut pine 6 ins. in diam. bears S 47° 30' W 142 lks. distant, marked 1/4 S 16 B T. Thence I run S 0° 17' E from 1/4 sec. cor. on a true line.

41.24 Wire fence bears N 45° W and S 45° E.

44.75 Top of spur trend S 80° E and N 80° W 65 ft. above draw. From this point John^J Peters House bears S 63 E about 20 chains distant.

50.55 Ravine^{course} S 60° W 50 ft. below top of spur.

Ascend

50.75 Road bears N 60° E and S 60° W.

45.

294

Subdivision of T 20 N R 54 E, M.D.M.

Chains

53.70 Top of spur trend N 50° W and S 50° E
35 ft. above ravine.

Descend

56.65 Wire fence bears N 45° W and S 45° E,
and enter enclosure.

56.75 Enter alfalfa bears N 45° W and S 45° E.

56.80 Ditch 3 lks. wide ^{course} N. 45° W 40 ft.
below top of spur.

Ascend

66.70 Ditch 3 lks. wide ^{course} N W and leave
alfalfa bears E and W.

72.25 Fence bears N 30° W and S 30° E and
leave enclosure.

72.75 Road bears N 30° W and S 30° E.

80.75 The cor. of sections 15, 16, 21 and 22.
Mountainous land.

Soil 1st and 2nd rate, scattering
Juniper timber, good grazing.
Mountainous land 80.75 chains.

June 20th, 1905.

At 9 h. 30 m. A.M. l.m.t. I set off
39° 35' N on latitude arc and 23° 27' W on
the declination arc and determine a
true meridian with the solar at the

295.

Subdivision of T 20 N R 54 E, M.D.M.

Chains

corner of sections 9 and 16.

Thence I run north between sections 9 and 10 on a random line.

39.86 The 1/4 sec. cor. bears west 48 lks. distant, continue line north.

79.76 To a point 98 lks. east of corner of sections 3,4,9 and 10, which is a small mound of earth, no post and pits almost obliterated. I re-establish corner by setting a stone 16x10x8 ins. 10 ins. in the ground. Marked 5 notches on south and 3 notches on east edge for corner of sections 4 and 9, dig pits 18x18x12 ins. in each section N W and S W of stone 5 1/2 ft. distant, and raise a mound of earth 4 ft. base 2ft. high west of corner.

From stone

A Juniper 4 ins. in diam bears N 31° 15' W 30 lks. distant, marked T 20 N R 54 E S 4 B T.

A Juniper 6 ins. in diam bears S 8° 35' W 37 lks. distant. Marked T 20 N R 54 E S 9 B T.

As line between sections 3 and 10 does

Subdivision of T 20 N R 54 E, M.D.M.

Chains

not close on this corner I mark same for sections 4 and 9 only.
Thence I run S $0^{\circ}43'$ E on a true line between sections 9 and 10.

Descend

1.65 Ravine ^{course} N 65° W 15 ft. below section corner.

Ascend

6.85 Top of spur trend N 60° W and S 60° E 35 ft. above ravine.

Descend

14.55 Ravine ^{course} N 60° W 50 ft. below top of spur.

Ascend

20.85 Top of spur trend N 80° W and S 80° E 60 ft. above ravine.

Descend

31.15 Ditch 4 lks. wide ^{course} N 70° W.

32.15 Cottonwood creek 10 lks. wide ^{course} N 80° W 50 ft. below top of spur.

Ascend

33.35 Road bears N 60° W and S 60° E.

39.90 The $1/4$ section corner which is a stone 12x12x10 ins., marked $1/4$ on west face in a mound of stone 2 ft.

297

Subdivision of T 20 N R 54 E, M.D.M.

Chains

base 1 ft. high. I re-establish cor. by enlarging mound around stone to 3 ft. base and raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high west of corner, from stone

A Juniper 3 ins. in diam. bears N 55° 30' W 365 lks. distant. Marked 1/4 S 9 B T. A Juniper 5 ins. in diam. bears N 75° 45' E 226 lks. distant. Marked 1/4 S 10 B T.

Thence I run S 0° 41' E on a true line from 1/4 sec. corner.

47.25 Top of spur trend N 45° W and S 45° E
60 ft. above creek.

Descend

49.75 Ravine^{course} N 50° W 60 ft. below top of spur.

Ascend

55.75 Top of spur trend S 45° W and N 45° E
50 ft. above ravine.

Descend

66.40 Ravine^{course} N 45° W 70 ft. below top of spur.

Ascend

72.26 Top of spur trend N 50° W and S 50° E

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

40 ft. above ravine.

Descend

79.76 The corner of sections 9, 10, 15 and 16.

Mountainous land.

Soil 2nd and 3rd rate.

Timber small scattering Juniper,
good grazing.

Mountainous land 79.76 chains.

From the corner of sections 4 and 9 just re-established I run North on a random line between sections 3 and 4.

39.75 The 1/4 sec. cor. bears west 90 lks. distant.

79.65 Intersect 4th standard parallel north at a point 200 lks. east of closing corner of sections 3 and 4 and **100** lks. east of standard cor. of sections 33 and 34. Thence I run S $1^{\circ}34'$ E on a true line between sections 3 and 4.

Ascend

3.50 Top of spur trend W and E 50 ft. above closing corner.

Descend

299.

Subdivision of T 20 N R 54 E, M.D.M.

Chains

- 14.25 Ravine ^{course} W 100 ft. below top of spur.
Ascend
- 17.40 Top of spur trend W and E 35 ft. above
ravine.
Descend
- 19.15 Road bears E and W.
- 19.90 Fence bears E and W.
- 21.95 Enter alfalfa bears E and W.
- 22.90 Leave alfalfa bears E and W.
- 23.12 Spring branch ^{course} S 60° W 60 ft. below top
of spur.
Ascend
- 23.95 Ditch 3 lks. wide ^{course} S 75° W.
- 24.70 Fence bears S 80° W and N 80° E.
- 28.65 House bears N 71° E about 16 chains distant
- 28.90 Top of spur trend W and E 80 ft. above
spring branch.
Descend
- 34.90 S.W. corner of alfalfa field bears
east about 10 chains distant.
- 39.90 The 1/4 sec. cor. which is a stone
firmly set in the ground, marked 1/4
on west face. I re-establish corner
by raising mound of stone 3 1/2 ft.
base 1 1/2 ft. high west of corner.

51.

300

Subdivision of T 20, N.R. 54 E, M.D.M.

Chains

From stone

A Juniper 6 ins. in diam. bears N
77°30' W 72 lks. distant, marked 1/4
S 4 B T. A Juniper 8 ins. in diam.
bears S 44° E 73 lks. distant, mark-
ed 1/4 S 3 B T.

Thence I run S 1°17' E from 1/4 sec-
cor. on a true line.

40.00 Ravine ^{course} S 80° W 80 ft. below top of
spur.

Ascend

44.80 Top of spur trend W and E 35 ft.
above ravine.

Descend

48.00 Ravine ^{course} S 65° W 45 ft. below top of
spur.

Ascend

49.75 Top of spur trend W and E 10 ft. above ravine

59.65 Ravine ^{course} S 80° W 70 ft. below top of
spur.

Ascend

62.75 Top of spur trend W. and E 30 ft.
above top of spur.

Descend

65.50 Ravine ^{course} N 65° W 50 ft. below top of
spur.

Ascend

Subdivision of T 20 N R 54 E, M.D.M.

Chains

- 67.50 Top of spur trend N 70° W and S 40° E
40 ft. above ravine.
Descend
- 70.80 Ravine course N 70° W 50 ft. below top of
spur.
Ascend
- 79.65 The corner of sections 3,4,9 and 10.
Land mountainous.
Soil 2nd and 3rd rate.
Timber Juniper.
Mountainous land 79.65 chains.
June 20th, 1905.

General Description

This portion of township is mountainous in character, situated on western slope of Diamond Mountains at an altitude varying from 6500 to 7500 ft.

The soil is sandy 2nd and 3rd rate, about 60% of which is 2nd rate and a large portion of same can be cultivated, but owing to high altitude, do not consider the land as a whole valuable for agricultural purposes. This entire portion of township is covered with

302.

Subdivision of T 20, N.R., 54 E, M.D.M.

Chains

an abundant growth of rich ^{nut} nitritious grasses and is very valuable for grazing purposes.

There is some small, scattering Juniper timber in western and north-western part with Cottonwood along the streams, all of which is valuable for domestic purposes only.

The land is well watered by Cottonwood and Mill creeks and various small brooks and springs.

There is one settler each in secs. 3 and 15 and have been informed there will be one settler each in sections 11 and 13 as soon as the land is subject to entry.

John W. Fitzpatrick
U.S. Deputy Surveyor.

303

4.—LIST OF NAMES.

A list of the names of the individuals employed by.....
 John W. Fitzpatrick....., United States Deputy
 Surveyor, to assist in running, measuring, and marking the lines and
 corners described in the foregoing field notes in the survey of.....
 Subdivision lines of.....
 Township 20 North.....
 Range 54 East.....

of the Mount Diablo base and meridian, in the district of Nevada, show-
 ing the respective capacities in which they acted.

- Frank C. Cook....., Chainman.
- Earl Fitzpatrick....., Chainman.
- Carroll Fitzpatrick....., Chainman.
-, Chainman.
- Frank Pastorino..... Moundman,
- Moundman,
- Frank C. Cook....., Flagman.

11635b200-2-04

70
304

5.—FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted _____

John W. Fitzpatrick
United States Deputy Surveyor in surveying all those parts
or portions of *the Subdivision*
lines of Township 20 North
Range 54 East

Mount Diablo meridian, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed and the corner monuments established according to the instructions furnished by the Surveyor-General for Nevada.

- Frank C Cook*, Chairman.
- Carl Fitzpatrick*, Chairman.
- Carroll Fitzpatrick*, Chairman.
- _____, Chairman.
- J. Pastorino*, ~~Chairman~~.
- Frank C Cook*, Flagman.

Subscribed and sworn to before me this *15th* day of

July, 190*5*
J. W. Waugh
County Clerk

306

307

6.—FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Fitzpatrick,
United States Deputy Surveyor, do solemnly swear that in pursuance of
instructions received from Matthew Kyle,
United States Surveyor-General for Nevada, bearing date of the
28, th; day of November; 1904.

I have well, faithfully, and truly, in my own proper person, and in strict
conformity with the instructions furnished by the United States Sur-
veyor-General for Nevada, the Manual of Surveying Instructions, and
the laws of the United States, surveyed all those parts or portions of

Subdivision lines;
of Township 20 North,
Range 54 East,

of the Mount Diablo base and meridian, in the district of Nevada, which
are represented in the foregoing field notes as having been surveyed by
me and under my directions; and I do further solemnly swear that all
the corners of said survey have been established and perpetuated in
strict accordance with the Manual of Surveying Instructions and the
special written instructions of the United States Surveyor-General for
Nevada, and in the specific manner described in the field notes, and that
the foregoing are the TRUE field notes of such survey; and should any
fraud be detected, I will suffer the penalty of perjury, under the pro-
visions of an act of Congress approved August 8, 1846.

John W. Fitzpatrick
United States Deputy Surveyor.

Subscribed and sworn to before me this 2nd day
of Aug, 1905

W. J. Gray
DEPUTY COUNTY CLERK, EX-OFFICIO
DEPUTY CLERK OF THE SUPERIOR COURT

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