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REPORT: _____ Book C. _____

Filed OCT 16 1905 ~~190~~

Examined by _____

Transcribed by HJM

Compared by HJM 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

200 20
201
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 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

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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. M.

Paul Pedrioli, Flagman.

Subscribed and sworn to before me this 12th day
of June, 1905

John W. Fitzpatrick
U.S. Deputy Surveyor

204

3.—PRELIMINARY OATH OF ^{Mountmen} ~~FLAGMEN~~.

510 20
705
We, I Frank Pastorino

and
do solemnly swear that we will well and truly perform the
duties of ^{Mountmen} ~~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

East Boundary
of Twp. 20 N. R. 54 E.

^{Sec 4}
4th Standard Parallel
North through Ranges
54 and 55 East.

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

F. Pastorino ^{Mountman} ~~Flagman~~.

Flagman.

Subscribed and sworn to before me this 22 day of

May 1905

J. H. Hoey

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. 1.m.t. I set off $39^{\circ} 37'$ N on the latitude arc and $23^{\circ} 16' W$ on 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 nearly
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 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 $2\frac{1}{2}$ ft. high north of
corner.

Thence I run S $89^{\circ} 59'$ 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 $\frac{1}{4}$ sec.
cor. Marked S C $\frac{1}{4}$ 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 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ 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 24x18x12 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>
40.00	<p>West on a random line on south boundary of section 32,</p> <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</p> <p>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.

12.

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
base, $1\frac{1}{2}$ ft. high-
of earth $3\frac{1}{2}$ ft. high north of cor.

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~~63~~ chains, the mean of
which is

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

I re-establish this corner by setting 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.

Ascend,
5.55 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
By 1st set 39.91 chains,
By 2nd set 39.85 chains the mean of
which is:
39.88 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.

215 16.

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 raised 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

2/17 18.

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.
2.30	<p>Descend</p> <p>Ravine course N. 45° W 50 ft. below top of spur.</p>
5.50	<p>Ascend</p> <p>Top of spur trend N 50° W and S 50° E 25 ft. above ravine.</p>
9.00	<p>Descend</p> <p>Ravine course N 40° W 25 ft. below top of spur.</p>
23.00	<p>Ascend</p> <p>Top of spur trend N 50° W and S 50° E 60 ft. above ravine.</p>
	<p>Descend</p> <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	<p>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</p>

19. 7/8

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 corner.
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	<p>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.</p> <p>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.</p> <p>Mountainous land.</p> <p>Soil 2nd and 3rd rate with growth of sagebrush and bunch grass. Timber small scattering Juniper.</p> <p>Mountainous land 80.00 chains.</p>

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.
	Descend
69.60	Ravine ^{course} S. 65° W 15 ft. below top of spur.
	Ascend
74.50	Same ravine ^{course} N. 70° W. 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.
	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.
	Ascend west slope. of Diamond Mountain.
2.00	Ravine course 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.
	Descend
38.25	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

27.

4th Standard Parallel North

Through Range 55 E M.D.M.

~~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 $28^{\circ}15'$
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^{course} 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^{course} 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°35' N on latitude arc and 23°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

32

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. dist-
ant 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 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.

235. 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.

1

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 thesurvey 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, showing 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.

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, Chainman.
Earl Fitzpatrick, Chainman.
Carroll Fitzpatrick, Chainman.
H. F. Menzies, Chainman.
F. Pastorino, ~~Chainman~~ ^{monumentman}.
 , Arman.
Paul Pedrioli, Flagman.

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

July, 1905
J. B. Hoag
 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. Heney
DEPUTY COUNTY CLERK AND EX-OFFICIO
DEPUTY CLERK OF THE SUPERIOR COURT.

11637b200-2-04

244

248.

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

REPORT: AUG - 8 Rec'd
Book D.

Filed OCT 16 1905 189

Examined by W.H.R.

Transcribed by J.L.V.

Compared by W.H.M. W.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, 1894

Survey commenced June 17th 1905, 1895

Survey completed June 20th 1905. 1895

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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

1.—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 *subdivision lines*
Tp. 20 N. R. 54 E. M. 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. H. Maugh
 County Clerk

252

2.—PRELIMINARY OATH OF AXMEN.

We, Thomas Gleason
and Frank Pastorino
do solemnly swear that we will well and truly perform the
duties of ~~axmen~~^{mount men}, 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 Tp. 20 N. R. 54 E.

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

Thos Gleason ~~axman~~^{mount man}
Fr Pastorino ~~axman~~^{mount man}

Subscribed and sworn to before me this 22 day of

May, 1905

J. H. Haegh
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 Tp. 20 N. R. 24 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. H. Kaetz
County Clerk

256

2
6

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 ^{corner} N 40° W.

Continue descent.

36.50 Ravine ^{corner} 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 ^{course} 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 corner.

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 ^{course} 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. J &

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	80 ft. above Mill creek.
	Descend
24.25	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
62.50	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.

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.
32.00	Ascend Top of spur trend N 45° W and S 45° E 25 ft. above spring branch.
39.98	Descend 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.
15.25	N 0° 1' W on a true line between sec- tions 1 and 2. Descend 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 ~~cont~~ 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 ~~cont~~ 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 ~~cont~~ W 40 ft. below top of spur.

Ascend

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

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 re-tracing 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

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 ^{cont} 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 ^{cont} 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 ^{cont} 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.
	Ascend
12.80	Wire fence bears N and S, and leave enclosure.
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 cor- ner 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 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 ^{upsc} 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 course 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 $0^{\circ}39'$ 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

32.

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 ^{course} 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 ^{course} 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 ^{course} 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. 1.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 ~~cont~~ 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.

36.

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.

Ascend

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

Descend

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

Ascend

15.75 Top of spur trend N 48° W and S 48° E
60 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 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 ^{course} 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 ^{course} 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 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 ^{course} 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

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

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42.

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 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 inⁱⁿ 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.} Peter's 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.

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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.

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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 8 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 cor. of sections 3 and 4 and **100** lks. east of standard cor. of sections 33 and 34. Thence I run S 1° 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

AUG - 2 R

50.

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.

51E.

3000

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

Chains

From stone

A Juniper 6 ins. in diam. bears N
 $77^{\circ}30'$ 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 $1^{\circ}17'$ 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}rititious
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 Cotton-
wood 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 sub-
ject 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, showing 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.

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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 fore-
going 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, Chainman.
Carl Fitzpatrick, Chainman.
Carroll Fitzpatrick, Chainman.
_____, Chainman.
Monument
_____, *Monument*
F. B. Boring, *Monument*
Frank C Cook, Flagman.

Subscribed and sworn to before me this *15th* day of
July, 190*5*-
J. W. Waugh
Ceremony 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 AND EX-OFFICIO
DEPUTY CLERK OF THE SUPERIOR COURT

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