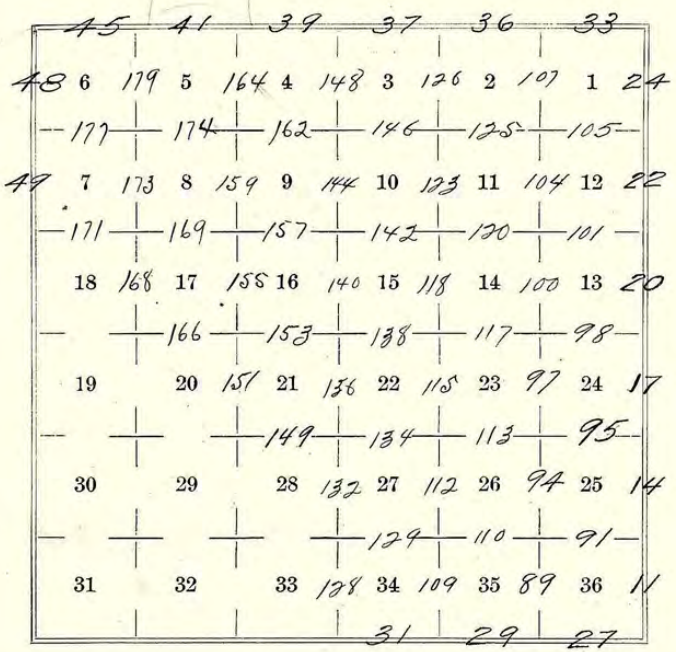
CONTRACT No.246. Books A and B.

4-674.

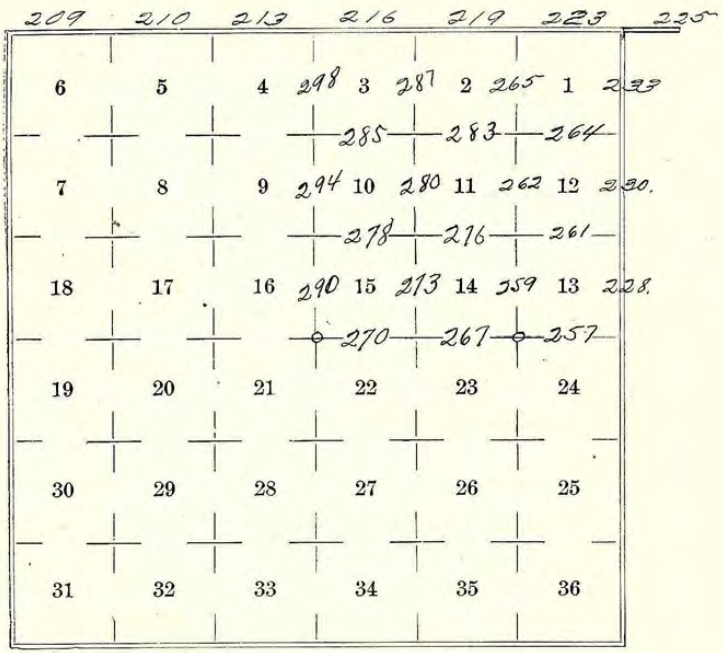
Township 19 N., R. 54 E., M.D.B. and M.



CONTRACT No.246. Books C and D.

4—674.

Township 20 N., R. 54 E., M.D.B. and M.



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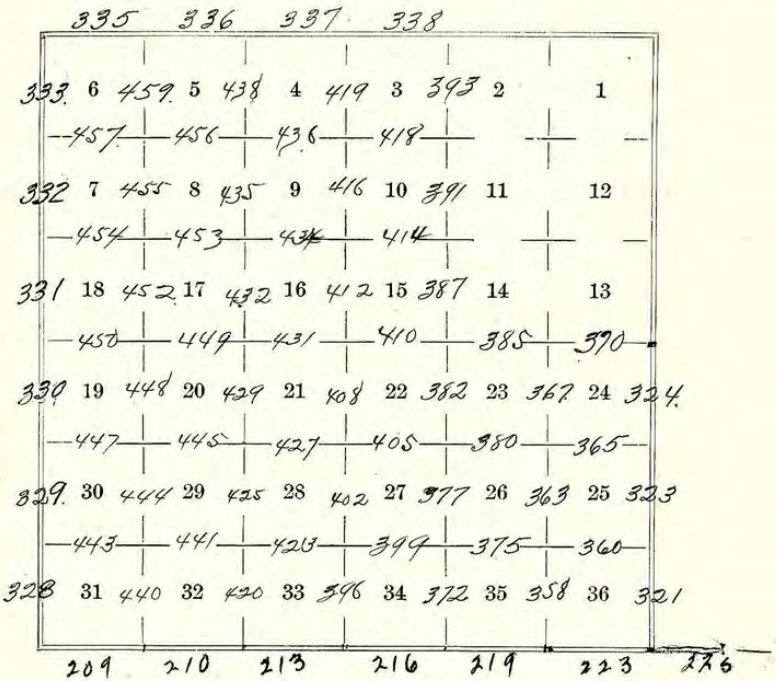
CONTRACT No.246. Books E and F.

also see Bk 121

4-674.

Township 21 N., R. 54 E., M.D.B. and M.



Book A.

AUG - 3 Rec'd

REPORT:

Filed OCT 1 6 1905 ~~190~~

Examined by W.H.R.

Transcribed by HEM

Compared by HEM W.H.A.

FIELD NOTES OF THE SURVEY

OF THE

Resurvey of the East, North and part of South Boundaries and Survey of part of the West Boundary

OF

Township No. 19 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 15th, 190 4

Survey commenced May 23rd, 190 5

Survey completed May 30th, 190 5

2

NAMES AND DUTIES OF ASSISTANTS.

_____, Compassman.

Earl Fitzpatrick, Chainman.

Carroll Fitzpatrick, Chainman.

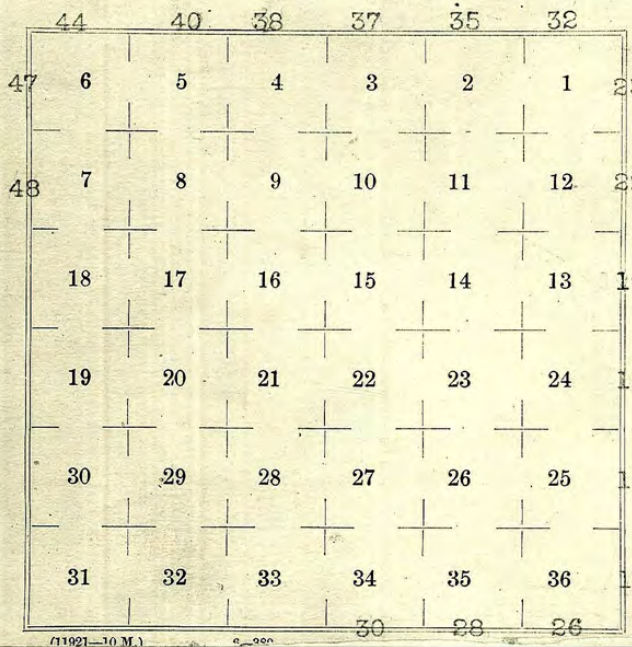
_____, Chainman.

_____, Chainman.

Frank Pastorino Moundman,

Thomas Gleason Flagman.,

Frank C Cook Moundman.



(11921—10 M.)

1.—PRELIMINARY OATH OF CHAINMEN.

We Earl 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 exterior lines of Tp. 19 N. R. 54 E.

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

Earl Fitzpatrick, *Chainman.*
Carroll Fitzpatrick, *Chainman.*
, *Chainman.*
, *Chainman.*

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

J. H. Keegh
County Clerk

4

2.—PRELIMINARY OATH OF ~~AXMEN~~ MOUNDMEN.

We, Frank C. Cook

and Frank Pastorino

do solemnly swear that we will well and truly perform the duties of ~~axmen~~ moundmen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill aud ability in the survey of exterior lines of Tp. 19 N. R. 54 E.

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

Frank C Cook, ~~Axman.~~ moundman

F Pastorino, ~~Axman.~~ moundman

Subscribed and sworn to before me this 20th day of May, 1905.

J. H. Haegh
County Clerk

6

7

3.—PRELIMINARY OATH OF FLAGMEN.

We, Thomas Gleason

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 exteriors of Tp. 19 N. R. 54 E.

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

Thos Gleason, *Flagman.*

, *Flagman.*

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

J. H. Koegh
County Clerk

8

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains

Survey commenced May 23, 1905, and executed with a J. C. Sala transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the true meridian at San Francisco, California, found correct, and was approved by the Surveyor General, for Nevada, May 20 th; 1905.

I examine the adjustments of the transit, corrcet the levels, and fail to find culmination errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations, made during A. M. and P. M. hours with a meridian determined by an observation on Polaris, I proceed as follows: At the corner of Tps. 18 and 19 N. Rs. 54 and 55 E. latitude 39° 26' 37" N, longitude 116° 2' 21" W, I set off 39° 27' on the latitude arc, and 20° 36' on declination arc, and at 3 h. and 30 m. P. M. l. m. t. determine with the solar

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains

a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs. North of the corner.

At 3 h. and 21 m. A. M. by my watch which is 2 m. slow of l. m. t. I observe Polaris at Eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground 5 chs. North of my station. May 23, 1905,

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May 24, 1905, At 7 h. a.m. a. m. l. m. t. I lay off the azzinuth of Polaris 1° 48' to the West and mark the meridian thus determined, by cutting a small groove in the stone set May 23, 1905, on which the meridian falls 0.35 ins. east of the mark determined by the solar.

At 9 h. 0 m. l. m. t. I set off 39° 27' on the latitude arc and 20° 44' N on declination arc and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs. North of my station.

East Boundary of T.19 N.R.54 E.M.D.M.

Chains	This mark falls 0.3 ins.east of the meridian established by the Polaris observation. The solar apparatus by A.M. and P.M. observations defines positions for meridians respectively about 0'17"W. and 0'13"E. of the meridian established by the Polaris observation; therefore,I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 9 h.15 m.a.m.l.m.t.is N.17°15'W. The angle thus determined gives the magnetic declination 17°15'E.
	From Tp.cor. to Tps.18 and 19 N.Rs.54 and 55 E.M.D.M.,which I found to be an old decayed post in a small mound of stone,bearing trees having been destroyed,I reestablish said cor.by setting a stone 18x12x10 ins.12ins. in the ground,mkd.6 notches on N.,E.,S.,and W.edges,dig pits,24x24x 12 ins.on each line N.E.and W.4ft. distant and S.8ft.dist; raised a

11. 12

East Boundary of T.19 N.R.54 E.M.D.M.

Chains	mound of stone 4 ft.base 2 ft.high S. of cor.
	From cor.
	A juniper 6 ins. in dia.bears N. 27°10' E. 135 lks. dist. mkd. T 19 N R 55E S 31 B T.
	A juniper 5 ins. in dia. bears S 8°31' E 185 lks. dist. mkd. T 18 N R 55ES6BT.
	A juniper 7 ins. in dia. bears S.80°W 189 lks.dist.mkd. T 18 N R 54 E S 1 B T.
	A juniper 6 ins. in dia. bears N 78°15' W 108 lks. dist. mkd. T 19 N R 54 E S 36 B T.
40.00	Thence I run north retracing east boundary of sec.36. Failed to find any trace of old 1/4 sec.cor.and set a temp. cor.
80.00	Found a stone mkd. I on S and V on N face in a small mound of stone. As said cor. is improperly marked, I re-establish same by setting a stone 20x12x8 ins.14 ins.in the ground mkd.1 notch on S and 5 notches on N edge, dig pits 18x18x12 ins. in each sec.5 1/2 ft.dist.and raise a mound of earth and stone 4 ft. base and

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
	2 ft. high W. of cor.
	From corner;
	A juniper 4 ins. in dia. bears S. 11° 15' E 76 lks. dist. mkd. T 19 N R 55 E S 31 B T.
	A juniper 9 ins. in dia. bears S 55° 30' W 153 lks. dist. mkd. T 19 N R 54 E S 36 B T.
	A juniper 4 ins. in dia. bears N 76° 30' W 168 lks. dist. mkd. T 19 N R 54 E S 25 B T.
	No other tree within limits.
	Thence I run south on true line bet. 31 and 36
	Descend.
5.70	Ravine course S 65° E. 50 ft. below sec. cor.
	Ascend.
7.00	Ravine course N 80° E. 15 ft. below top of spur.
	Ascend.
10.77	Trail bears E. and W.
13.00	Top of spur trend S. 50° E. and N. 50° W. 25 ft. above ravine.

13. 124

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
	Descend.
34.50	Road bears E. and W.
40.00	Set a stone 20x12x10 ins. 14 ins. in the ground for 1/4 sec. cor. mkd. 1/4 on W. face, dig pits 18x18x12 ins. N. and S. of stone 3ft. dist. raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
	From cor.
	A juniper 8 ins. in dia. bears N. 65°18' W. 49 lks. dist. mkd. 1/4 S 36 B T
	A juniper 6 ins. in dia. bears S 71° E. 50 lks. dist. mkd. 1/4 S 31 B T
47.66	Road to Rogantini's Ranch bears N. W. and S. E.
49.00	Draw course S 80° E. 40 ft. below top of spur.
	Ascend.
67.00	Top of low spur, trend E. and W. 35 ft. above draw.
	Descend.
80.00	The cor. of Tps. 18 and 19 N. Rs 54 and 55 E. M. D. M.
	Land rolling foothills
	Timber juniper
	Soil 2nd rate
	Good grazing

East Boundary of T 19 N. R. 54 E. M. D. M.

Chains	
	Rolling foothills 80.00 chs.
	From sec. cor. to secs. 30, 25, 31, and 36, just reestablished I run north on a random line setting temp. corners at 40.00 and 80.00 chs.
377.40	Intersect north boundary of Tp. at a point 495 lks. west of Tp. cor. of Tps. 19 and 20 N. Rs. 54 and 55 E.
	May 24, 1905.
	Having ascertained by retracement that the east boundary will not close within limits, I begin at the sec. cor. of secs. 25, 30, 31, and 36 and run north on a true line bet. secs. 25 and 30.
	Ascend.
1.00	Top of spur trend E and W. 5 ft. above sec. cor.
	Descend.
11.00	Ravine, course E. 40 ft. below top of spur.
	Ascend.
16.00	Top of spur, trend E and W. 25 ft. above ravine.

15. 76

Resurvey of

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
	Descend.
17.75	Draw, course S. 80° E. 15 ft. below top of spur.
	Ascend.
27.75	Top of spur, trend E and W. 200 ft. above draw.
	Descend.
32.76	Ravine course N. 75° E. 80 ft. below top of spur.
	Ascend.
33.15	Hamilton and Eureka Road bears N. 75° E. and S. 75° W.
40.00	Set stone 18x12x8 ins. 12 ins. in ground for 1/4 sec. cor. mkd. 1/4 on W face, dig pits 18x18x12 ins. N and S of stone 3 ft. dist. raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high W. of cor.
	From corner,
	A juniper 10 ins. in dia. bears N. 82° 15' E. 200 lks. dist. mkd. 1/4 S 30 B T.
	A juniper 6 ins. in dia. bears S 79° 35' W. 348 lks. dist. mkd. 1/4 S 25 B T.
63.00	Top of spur trend S. 60° E. and N. 60° W. 200 ft. above ravine.
	Descend.
71.00	Ravine course S 80° E. 75 ft. below top

Resurvey of
East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
	of spur.
	Ascend.
73.00	Top of low spur, trend S 80°E. and N 80°W. 20 ft. above ravine.
	Descend.
74.24	Ravine course S 50°E. 15 ft. below top of spur.
	Ascend.
80.00	Set a stone 16x10x10 ins. 10 ins. in ground for cor. of secs. 24, 25, 19 and 30 mkd. 2 notches on S and 4 notches on N edge, dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. raise a mound of earth and stone 4 ft. base 2 ft. high W. of cor.
	Land high rolling hills.
	Soil 2nd rate.
	Timber small scattering juniper.
	Good grazing.
	High hill land 80.00 chs.

May 25 at 10 h. and 0 m. l. m. t. I set off 39°29'N. on latitude arc and 20°55'N. on declination arc and determine a true meridian with the solar at the cor. of secs. 24, 25, 19, and 30.
Thence I run north on true line

Resurvey of

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	between secs. 19 and 24.
	Ascend.
6.50	Top of spur trend S. E. and N. W. 80 ft. above ravine.
	Descend.
16.50	Eureka and Hamilton Road bears S 50° E and N 50° W.
18.00	Ravine course S 15° E. 100 ft. below top of spur.
	Ascend.
31.00	Top of spur trend S 60° E and N 60° W 60 ft. above ravine.
	Descend.
34.00	Ravine course S 50° E. 35 ft. below top of spur.
	Ascend.
40.00	Set a stone 12x10x10 ins. 8 ins. in ground for 1/4 sec. cor. mkd. 1/4 on W. face, dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist. raise a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high W. of cor.
42.50	Top of spur trend S 55° E and N 55° W. 85 ft. above ravine.
	Descend.
51.52	Trail bears E. and W.
52.50	Ravine course S 80° E 75 ft. below

Resurvey of

East Boundary of T.19 N.R.54 E.M.D.M.

Chains	
	top of spur.
	Ascend.
55.00	A spring bears E.300 lks.dist.
57.00	Point of spur trend E. and W. 30 ft. above ravine.
	Descend.
63.50	Old Road bears S 45°E and N 45°W.
65.00	Ravine course S 55°E.40 ft.below top of spur.
	Ascend.
70.00	Top of spur trend S 45°E and N 45°W. 75 ft.above ravine.
	Descend.
77.50	Ravine course S 80°E 35 ft.below top of spur.
	Ascend.
80.00	Set a stone 14x10x10 ins.9 ins.in ground for cor.of secs.13,18,19,and 24 mkd.3 notches on S.and 3 notches on N.edge,dig pits 18x18x12 ins.in each sec.5 1/2 ft.dist.raise a mound of earth 4 ft.base 2 ft.high W.of cor.
	From corner
	A pine 4 ins.in dia.bears N.0°30'W 266 lks.dist.mkd.T 19 N R 54 E S 13 B T.

19. 20

Resurvey of

East Boundary of T.19 N.R.54 E.M.D.M.

Chains	
	Land mountainous. Soil 2nd rate. Timber scattering pine and juniper. Good grazing. Mountainous land 80.00 chs.
	North between secs.13 and 18. Ascend.
3.00	Top of spur trend S 60°E and N 60°W. 60 ft. above ravine. Descend.
6.15	Ravine course S 80°E 30 ft. below top of spur. Ascend.
9.00	Ravine course S 50°E. 35 ft. below top of spur. Ascend.
14.00	Top of spur trend S 45°E and N 45°W. 40 ft. above ravine. Descend.
16.80	Ravine course S 50°E. 25 ft. below top of spur. Ascend.

Resurvey of

East Boundary of T.19 N.R.54 E.M.D.M.

Chains	
20.00	Top of spur trend S 55°E and N 55°W. 30 ft. above ravine.
	Descend.
24.00	Ravine S 60°E 30 ft. below top of spur.
	Ascend.
30.75	Top of spur trend S 55°E and N 55°W. 35 ft. above ravine.
	Descend.
32.50	Ravine S 45°E 35 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 West face.
	From corner.
	A nut pine 5 ins. in diam. bears N 5°15'W 88 lks distant marked 1/4 S 13 B T.
	A nut pine 6 ins. in diam. bears N 16° E. 147 lks distant marked 1/4 S 18 B T.
41.00	Top of spur trend S 50°E and N 50°W. 45 ft. above ravine.
	Descend.

21. 22

Resurvey of

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
53.80	A Spring Branch in canyon 5 lks. wide course S 60°E 250 ft. below top of spur.
69.75	Top of spur trend W and E 150 ft. above ravine. Ascend
	Descend.
80.00	Set a stone 15x12x10 ins. in a mound of stone 2 ft. base 1 ft. high for cor. of Secs. 7-12-13 and 18. Marked 4 notches on the South and 2 notches on the North edge, raise a mound of stone 4 ft. base, 2 ft. high, West of cor. Pits impracticable owing to rocky character of soil.
	May 25, 1905. Mountainous land, soil 2 and 3 rate, some small scattering juniper, timber, good grazing land. Mountainous land 80.00 chains.

May 26th 1905.
At 8 h 0 m. l. m. t. I set off 39° 31' N. on the latitude arc and 21° 6' N. on the declination arc and determine a true meridian with the solar at the

Resurvey of

East Boundary of T. I9, N.R. 54 E.M. D. M.

Chains.	
	cor. of sections 7,I2,I3,and I8. Thence I run North between secs. 7 and 12.
	Descend
1.25	A Spring branch 5lks. wide course S.88° West; 75ft. below top of spur.
	Ascend.
3.75	Point of spur trends S. 40° W and N 40° E. 40feet above Spring Branch.
	Descend.
9.30	A Spring Branch 4lks. wide course S.5° W. 20 feet below top ofspur,
	Ascend.
24.50	Top of spur trends S.35°.W. and N.35°.E I00feet above Spring Branch,
	Descend.
35.00	Ravine course S.45°.W.30feet below top of Spur
	Ascend.
40.00	Set a stone I8xI4xI0.ins.I2.ins.in the ground for ¼ sec. cor. marked ¼ on West face, dig pits I8xI8xI2. ins. N and S of stone 3 ft. distant, and raise a mound of earth and stone 3 ½ feet base, I½ feet high West of corner.
45.00	Summit of Diamond Mountain trends N.45° and S.45° W. 80 feet above ravine.
	Descend
53.00	Road bears S.50°,W,and N.50°.E.

Reverse of

East Boundary, of T. I9 N. R 54 E. M. D.M.

Chains,	course
56.00	A Spring Branch 3 lks; wide S.45° W.
80.00	Set a stone 22xI4xI2ins: I4ins. in the ground for cor. of secs. I-6-7 and I2 marked 5 notches on south and I notch on north edge, dig pits I8xI8xI2 ins, in each section 5½ feet distant, and raise a mound of earth and stone 4 feet base 2feet high, west of corner.
	Mountainous land, Soil 2 and 3 rate;
	Mountainous land 80.00 chains.
	North between sections, I and 6.
	Ascend.
22.00	A Bluff of rock I5 ft. high bears East and West.
35.00	Summit of spur trends S.45° E. and N.45° W.
	continue to ascend.
40.00	Set astone I8xI0xI0.ins.in a mound of stone 2 feet base I foot high for ¼ sec. corner marked ¼ on west face; and raise a mound of stone 4 feet base 2 feet high west of corner, pits impracticable. owing to rocky character of the soil.
43.50	Summit of high rocky spur trends N.50° E. and S.50° W. 700 above Spring Branch.
	Descend.

Clearing of

East Boundary of T.19 N.R.54 E.M.D.M.

Chains	
55.50	Head of draw course S 70°W. 80 ft. below top of Mountain.
	Ascend.
56.00	Point of rocky spur trend W and S 50 ft. above draw.
	Descend.
57.40	Intersect North Boundary at a point 495 lks. S 89°15' W. of Township corner of Townships 19and20 N Rgs. 54 and 55 E.M.D.M. which is a stone firmly set 10 ins. above ground. Marked 6 notches on North, South, East and West edge. I destroy marks pertaining to Tps. 19 N. Ranges 54 and 55 E and at point of intersection set a stone 18x12x10 ins. 12 ins. in the ground for closing corner of Tps. 19 N. Ranges 54and55 E. and secs. 1and6. Marked C C. 19 N on South 55 E on East and 54 E on West face with 6 grooves on South, East and West faces, dig pits 30x24x12 ins. cross-wise on each line East and West 4 ft. and South of stone 8 ft. distant and raise a mound of earth and

25. 26

Resurvey of

East Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
	stone 5 ft. base 2 1/2 ft. high South of corner.
	May 26, 1905.
	Land Mountainous.
	No timber. Good grazing land.
	Mountainous land 57.40 chains.

Resurvey of South Boundary of T. 19 N. R. 54 E. M. D. M.

Chains	
	From the Township corner of Townships 18and19 North Ranges 54 and 55 East M. D. M. I run West on South boundary of sec. 36 retracing.
40.00	Failed to find any trace of 1/4 sec. cor. I set a temp. 1/4 sec. cor. and continue line west.
80.00	The cor. of sections 1-2-35and36 which is a stone marked I on East and V on West face in a small mound of stone. I reestablish this cor. by setting a stone 16x12x9 ins. 10ins. in the ground marked 1 notch on East and 5 notches on West edge, dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of stone 4 ft. base 2 ft. high North of corner.
	From corner.
	A juniper 5 ins. in diam. bears N 63°50' W 73 lks. dist. marked T 19 N R. 54 E S 35 B. T.
	Thence I run East on a true line on South boundary of sec. 36 on resurvey.
	Descend.
10.36	Road bears N 40°E and S 40° W.
38.25	Cor. of field of James Rogantini

Resurvey of South Boundary of T.19 N.R.54 E.M.D.M.

Chains	
	Ranch fence bears S 31°E and N 37°E
40.00	Set a stone 20x12x8 14 ins. in the ground for 1/4 sec. cor. marked 1/4 on North face dig pits 18x18x12 ins. EandW 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.
42.10	Enter cultivated land bears N 40°W and S 40°E 150 ft. below sec. cor. Thence over level land enter alfalfa meadow bears N 45°W and S 45°E.
42.15	A ditch 5 lks. wide course S 45°E.
50.05	Pinto Creek 10 lks. wide, course S 45° E.
53.50	Dwelling of James Rogantini bears North 15.00 chains distant and barn Bears N 1° 0' East 12.60 chains distant.
55.00	Old Road through field bears N 45°W and S 45°E.
58.40	A ditch 4 lks. wide course S 45°E.
63.17	A ditch 4 lks. wide course S 45°E.
69.15	Leave alfalfa meadow bears N 50°W and S 50°E. Commence to ascend.
73.22	Fence bears N 46°W and S 46°E and

Resurvey of South Boundary of T.19 N.R.54 E.M.D.M

Chains	
	leave inclosure.
73.90	Road leading to Hamilton bears N 46° W and S 46° E.
80.00	The cor. of Tps. 18 and 19 N. Ranges 54 and 55 E and secs. 1-6-31 and 36.
	Soil 2nd rate.
	soil 1st rate. Mountainous land 38.25 chains. Level and rolling land 41.75 chains.
	May 27th 1905
	At 10 h 0 m. A.M. L.M.T. I set off 39° 27' N on the latitude arc and 21° 17' N on the declination arc and determine a true meridian with the solar at the corner of secs. 1-2-35 and 36.
	Thence I run West on a true line on the South boundary of sec. 35.
	Ascend.
9.50	Foot of steep ascent.
15.40	Top of spur trend S 40° E and N 40° W 150 ft. above section corner.
	Descend.
21.45	Ravine course S 20° E 75 ft. below top of

Resurvey of South Boundary of T.19 N.R.54 E.M.D.M.

Chains	
	spur.
	Ascend.
24.80	Top of spur trend S and N. 50 ft. above ravine.
	Descend.
34.25	Ravine course S. 35° E 75 ft. below top of spur.
	Ascend.
40.00	Set a stone 20x10x8 ins. 14 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 raised a mound of earth and stone 3 1/2 base 1 1/2 ft. high North of cor. from stone. A juniper 6 ins. in diam. bears S 80°30' W 210 lks. distant marked 1/4 S 2. B.T.
58.15	A ledge of rock 10 ft. high bears North and South.
61.75	Top of spur trend South and North 150 ft. above ravine.
	Descend.
71.50	A Draw course S. 45 ft. below top of spur.
	Ascend.
76.20	Top of spur trend South and North

Resurvey of South Boundary of T.19 N.R.54 E.M.D.M.

Chains	
	35 ft. below spur.
	Descend.
80.00	Set a stone 18x10x8 ins. in a mound of stone for cor. of secs. 2-3-34 and 35 marked 2 notches East and 4 notches on West edge raise a mound of stone 4 ft. base 2 ft. high North of cor. pits impracticable.
	Land mountainous.
	Soil 2nd and 3rd rate.
	Very small scattering juniper timber good bunch grass.
	Mountainous land 80.00 chains.
	West on South Boundary of Section 34
	Descend.
1.40	Ravine course S 30°E 80 ft. below top of spur.
	Ascend.
2.52	A Trail bears N 30°W and S 30°E.
22.00	Summit of Divide between Diamond and Newark Valley trend N and S 200 ft. above ravine.
	Descend.
32.50	Head of ravine course N. 40 ft. below summit of Divide.

Resurvey of South Boundary of T.19 N.R.54 E.M.D.M.

Chains	
	Ascend.
40.00	Set a stone 16x12x8 ins. 11 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.
49.50	Top of spur trend N 40°E and S 40°W 100 ft. above ravine.
	Descend.
62.50	Ravine course N 30°E 75 ft. below top of spur.
	Ascend.
79.00	Top of spur trend N 25°E and S 25°W 150 ft. above ravine.
	Descend.
80.00	Set a stone 20x14x10 ins. in a mound of stone 2 ft. base 1 1/4 ft. high for corner of secs. 3-4-33and 34 marked 3 notches on East and West edge. Raise a mound of stone 4 ft. base 2 ft. high North of corner. Pits impracticable owing to rocky character of the soil. Land mountainous.

Resurvey of South Boundary of T.19 N.R.54E.M.D.M.

Chains	
	Soil 2and3 rate. No timber. Good bunch grass. Mountainous land
	80.00 chains.
	As the land West of this cor. the Southwestern portion of Township is rough broken mountains of no value for agricultural, grazing, or timber, purposes I discontinue line at this point.
	May 27,1905.
	From the Township corner of Township 20 North Ranges 54 and55 E.M.D.M. which corner I reestablish by digging pits 30x24x12 ins. On each line E and W 4 ft. and North of stone 8 ft. distant and raised mound of earth 5 ft. base 2 1/2 ft. high North of cor.
	Thence I run West on random line on South boundary of sec.36.
40.00	The 1/4 sec. cor. bears South 53 lks. distant. Continue line West.
80.00	The cor. of secs. 1-2-36-35 bears South 105 lks. distant which is a stone firmly set in the ground 8 ins. above

Resurvey of South Boundary of T.20 N.R.54 E.M.D.M.

Chains	
	surface. Marked 5 notches on West and 1 notch on East edge. I reestablish this corner by marking stone 5 notches on West and 1 notch on E. edge dig pits 18x18x12 ins. N. E. and N. W. 5 1/2 ft. distant knowing that section line between secs. 1 and 2 will not close within limits I do not mark this cor. on South. Raise a mound of earth and stone 4 ft. base 2 ft. high North of corner. Thence I run N 89°15' E on a true line on a resurvey of South boundary of Sec. 36.
	Ascend.
4.00	Top of spur trend S 30°W and N 30°E 35 ft. above sec. corner.
	Descend.
8.00	Old Road bears N 43°E and S 43°W.
10.05	A Draw course S 40°W 60 ft. below top of spur.
	Ascend.
15.20	Top of spur trend S 40°W and N 40°E 55 ft. above draw.
	Descend.
24.25	Dry channel in Canyon course S. 45°W 80 ft.

Resurvey of South Boundary of T. 20 N. R. 54 E. M. D. M.

Chains	below top of spur.
	Ascend.
29.10	Bluff of rock 10 ft. high bears N 40° E and S 40° W 75 ft. above dry channel.
	Descend.
40.00	The 1/4 sec. cor. which is a stone 30x12x12 in a small mound of stone I enlarged mound around cor. and raised a mound of stone 3 1/2 ft. base 1 1/2 ft. high North of cor. pits impracticable.
42.65	Spring branch 6 lks. wide S 48° W 150 ft. below bluff of rocks.
	Ascend.
43.50	A Spring bears North about 5 chains distant.
76.50	Summit of Diamond Mountains trend N 20° W and S 20° E. 300 ft. above spring branch.
	Descend.
80.00	The Corner of Tps. 20 N Ranges 54 and 55 E. M. D. M.
	Land mountainous.
	Soil rocky 3rd rate.
	Good grazing. No timber.
	Mountainous land 80.00 chains.

35. 36

Resurvey of South Boundary of T.20 N.R.54 E.M.D.M.

Chains	From cor. of secs. 35 and 36 just re-established I run West on South boundary of sec. 35.
39.97	The 1/4 sec. cor. bears South 64 lks. distant and I continue line West.
79.85	The sec. cor. of secs. ~~or secs.~~ 2-3-34 and 35 bears South 130 lks. distant which is a stone firmly set in the ground 10 inches above the surface marked 2 notches on E. and 4 notches on west edge. I reestablish corner by digging pits 18x18x12 ins. N E and N W of stone 5 1/2 ft. distant and raise a mound of earth and stone 4 ft. base 2 ft. high north of corner. As sec. line bet. secs. 2 and 3 will not close on this cor. I do not dig pits South of line. Thence I run N 89° 5' E on a true line on South boundary of sec. 35.
	Descend.
3.15	Ravine course N 60° W 15 ft. below sec. cor.
	Ascend.
6.50	Point of spur trend S 20° W and N 20° E 40 ft. above ravine
	Descend.

Resurvey of South Boundary of T.20 N. R. 54 E. M. D. M.

Chains	
10.15	Ravine course S 50° W 35 ft. below point of spur. Ascend.
22.25	Top of spur trend S 44° W and N 44° E 125 ft. above ravine. Descend.
39.88	The 1/4 sec. cor. which is a stone firmly set in the ground 6 ins. above the surface, marked 1/4 on the North face no mound or pits. I reestablish corner by digging 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.
60.50	Old Road bears N W and S E.
63.50	Ravine course N 60° W 120 ft. below top of spur. Ascend.
79.85	The corner of sections 35 and 36. Land mountainous. Soil 2nd rate. Good grazing. No timber. Mountainous land 79.85 chains.

May 29th 1905.
At 1 h. 45 m. P. M. L. M. T. I set off

Resurvey of South Boundary of T. 20 N. R. 54 E. M. D. M.

Chains	
	39° 32' N on the latitude arc and 21° 37' N on declination arc, and determine a true meridian with the solar at the corner of secs. 34 and 35.
	Thence I run West on a random line on the South boundary of Sec. 34.
40.09	The 1/4 sec. cor. bears South 62 lks. distant
80.00	The cor. of secs. 3-4-33 and 34 bears South 125 lks. distant which is a stone firmly set in the ground 8 ins. above the surface. I reestablish this cor., dig pits 18x18x12 ins. N E and N W of stone 5 1/2 ft. distant and raise a mound of earth 4 ft. base 2 ft. high North of corner; as sec. line bet. secs. 3and4 T 19 N R. 54 E. M. D. M. Will not close on this cor. I do not dig pits South of corner. Thence I run N 89° 6' East on a true line resurveying South boundary of sec. 34.
	Ascend gradually
24.25	Top of spur trend N 50° W and S 50° E 125 ft. above corner.

Resurvey of South Boundary of T.20 N.R.54 E.M.D.M.

Chains	
	Descend.
37.10	Ravine Course N 47° W 75 ft. below top of spur.
	Ascend.
39.91	The 1/4 sec. cor. which is a stone firmly set in the ground 8 ins. above the surface marked 1/4 on North face. No mound or pits. I 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 Continue ascent over rolling land.
80.00	The cor. of secs. 34 and 35. Land mountainous. Soil 2nd rate. Good grazing. No timber. Mountainous land 80.00 chains.
	From cor. of secs. 33 and 34 as just reestablished I run West on South boundary of sec. 33.
39.98	The 1/4 sec. cor. bears South 80 lks. distant.
80.00	The sec. corner of secs. 4-5-32 and 33 bears South 150 lks. distant which

Resurvey of South Boundary of T.20N. R.54 E. M. D. M.

Chains	
	which is a stone firmly set in the ground 10 ins. above surface, marked 4 notches on East, and 2 notches on West edge. No mound or pits. I dig pits 18x18x12 ins. N E and N W of stone 5 1/2 ft. distant and raise a mound of earth and stone 4 ft. base 2 ft. high North of corner. As section line between sections 4and5 will not close on this cor I do not dig pits South of corner.
	Thence I run N 89° 00' East on a true line resurveying South boundary of sec. 33.
	Ascend.
5.00	Enter scattering timber bears N and S
7.20	Top of spur trend NandS 40 ft. above sec. corner.
12.18	Ravine course N 15° W 50 ft. below top of spur.
	Ascend.
23.25	Top of spur trend NandS 85 ft. above ravine.
	Descend.
40.02	The 1/4 sec. cor. which is a stone firmly set in the ground 9 ins.

Resurvey of South Boundary of T. 20 N. R. 54 E. M. D.

Chains	
	above the surface, marked 1/4 on North face, no mound or pits. I dig pits 18x18x12 ins. EandW of stone 3 ft. distant and raise a mound of earth 3 1/2 base 1 1/2 ft. high North of corner.
	Thence N 88° 51' E from 1/4 section corner.
50.00	Leave timber NandS.
52.94	Ravine course N. 15° W 200 ft. below top of spur.
	Ascend.
72.05	Top of spur trend N 20° W and S 20° E 180 FT. above ravine.
	Descend.
80.00	The corner of secs. 33 and 34
	Land Mountainous. Soil 2nd rate
	Small scattering juniper timber.
	Good grazing.
	Mountainous Land 80.00 chains.
	May 29th 1905.

May 30th 1905.
At 9 H. 0' M. A. M. l. m. t. I set off 39° 32' N on the Latitude arc and 21° 45' N on the Declination arc-

Resurvey of South Boundary of T 20 N. R. 54 E. M. D. M.

Chains	
	and determine a true meridian with the solar at the corner of secs. 32 and 33.
	Thence I run West on a random line retracing South boundary of sec. 32.
40.00	The 1/4 sec. cor. bears South 50 lks. distant.
79.90	The sec cor of sections 5-6-31 and 32 bears South 120 lks. distant which is a stone firmly set in the ground 10 ins. above the surface marked 1 notch on west and 5 notches on East edge. No pits or mound. I dig pits 18x18x12 ins N E and N W of stone 5 1/2 ft. distant and raise a mound of earth and stone 4 ft. base, 2 ft. high, North of cor.
	Thence I run N. 89° 00' E on a true line on South boundary of sec. 32.
	Ascend.
1.40	Top of spur trend N 30° W and S 30° E 15 ft. above sec cor
	Descend.
6.40	Ravine course N 50° W 45 ft. below top of spur
	Ascend.
10.90	Top of spur trend N 40° W and S 40° E

Resurvey of South Boundary of T.20 N.R.54 E.M.D.

Chains	36 ft. above ravine.
	Descend.
13.90	Ravine course N 35° W 40 ft. below top of spur.
	Ascend.
21.90	Top of spur trend N 50° W and S 50° E 40 ft. above ravine.
	Descend.
28.90	Ravine course N 43° W 45 ft. below top of spur
	Ascend.
35.40	Top of spur N 45° W and S 45° E 35 ft. above ravine.
	Descend.
39.90	The 1/4 sec cor. which is a stone firmly set in the ground 9 ins. above the surface, marked 1/4 on North face No pits or mound. I dig pits 18x18x 12 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
	Thence from 1/4 sec cor I run N 89°17' E on a true line.
40.14	Ravine course N 35 ft. below spur
	Ascend.

Resurvey of South Boundary of T. 20 N. R. 54 E. M. D. M.

Chains	
43.40	Top of spur trend N 46° W and S 46° E. 30 ft. above ravine.
	Descend.
48.40	Ravine course N.42° W 35 ft. below top of spur.
	Ascend.
58.90	Top of spur trend N 40° W and S 40° E 45 ft. above ravine
	Descend.
61.70	Road bears N 30° W and S 30° E
67.40	Ravine course N. 40° W 38 ft. below top of spur.
	Ascend.
73.90	Top of spur trend N 45° W and S 45° E 30 ft. above ~~top of spur.~~ ravine. ravine
	Descend.
77.90	Ravine course N. 40° W 20 ft. below top of spur.
	Ascend.
79.90	The cor. of secs 32 and 33
	Land Mountainous
	Soil gravelly 2nd rate.
	Timber small scattering juniper.
	Good grazing.
	Mountainous land 79.90 chains.

end here.

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

Chains	
	From corner of sections 31 and 32, just re-established I run west on south boundary of sections 31 re-tracing.
37.64	Failed to find any trace of old 1/4 sec. cor. and set a temp. cor.
77.50	The Tp. corner of Tps. 19 and 20 N.R. 54 E bears south 105 lks. distant, which is a small mound of stone pits almost obliterated.
	I re-established this corner by setting a stone 18x12x8 ins., 12 ins. in the ground, marked 6 notches on north, south, and east edge,- dig pits 30x24x12 ins. on each line N and S 4 ft. and E 8 ft. distant, and raise a mound of stone 4 ft. base 2 ft. high, east of corner.
	Thence I run N 89° 14' E on a true line on re-survey of south boundary of sec. 31.
	Descend gradually.
36.26	Road bears N 65° W and S 65° E.
37.10	Fence bears N 65° W and S 65° E. and enter enclosure.
39.80	A road bears N 40° W and S 40° E.

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

Chains	
40.00	Failed to find any trace of the old 1/4 sec. cor. and set a stone 14x10x8 ins. 9 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.
40.90	Fence bears N 38° W and S 38° E.
42.92	Dry creek bed 15 lks. wide course N 40° W 100 ft. below Township corner. Thence over level land.
43.00	Enter alfalfa meadow bears N 40° W and S 40° E.
46.70	Leave Alfalfa bears N 30° W and S 30° E.
48.10	A well bears North 35 lks. distant and dwelling house of G.B. Canipa bears North 155 lks. distant.
49.55	Fence bears N 35° W and S 35° E and enter orchard.
50.80	Fence bears N 70° W and S 70° E and leave orchard.
51.60	Fence bears N 40° W and S 40° E and leave enclosure.
51.90	Road bears N 40° W and S 40° E.

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

Chains	
	Commence to ascend.
77.50	The corner of secs. 5,6,31 and 32.
	Land 49.80 chains rolling.
	" 9.00 " level.
	" 27.70 " Mountainous.
	Soil 1st and 2nd rate,- No timber, dense growth of sagebrush.
	Level land 9.00 chains.
	Rolling land 49.80 chains
	Mountainous land 27.70 chains.

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West Boundary of T. 19, N.R. 54 E, M.D.M.

From Township corner of Townships 19 and 20 N.R. 54 E M.D.M. I run south on a true line on west boundary of sec. 6.

7.50 Ascend gradually.

7.50 Top of spur trend N 50° W and S 50° E 25 ft. above Tp. corner.

10.05 Set a stone 16x14x10 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face, dig pits 18x18x12 ins. NandS 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 cor.

16.00 Ravine course. N. 65° W 40 ft. below top of spur.

16.00

Ascend

50.05 Set a stone 16x14x12 ins. 10 ins. in the ground for cor. of sections 6-1-12 and 7. Marked 5 notches on south and 1 notch on north edge, dig pits, 18x 18x12 in each section 5 1/2 ft. distant and raise a mound of earth and stone west of corner. 4 ft. base 2 ft. high.

50.05

Land rolling.

Soil 2nd rate, no timber, dense sage-brush, good grazing.

Rolling foot hills 50.05 chains.

West Boundary of T. 19 N.R. 54 E. M.D.M.

Chains	
	South between sections 7 and 12.
	Ascend
9.82	Eureka and Hamilton Road bears S 80° W and N 80°E.
16.60	Draw course N 45° W.
40.00	Set a stone 15x12x8 ins. 10 ins. in the ground for 1/4 sec. corner. Marked 1/4 on west face, dig pits 18x18x12 ins. NandS 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.
78.00	Top of spur trend N 35° E and S 35° W. 100 ft. above ravine.
	Descend
79.00	Ravine course N 40° E 10 ft. below top of spur.
	Ascend.
80.00	Set a stone 20x10x10 ins. 14 ins. in the ground for corner of sections 7,18,12 and 13. 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

West Boundary of T. 19, N.R. 54 E, M.D.M.

2 ft. high west of corner.
Land rolling foot hills.
Soil gravelly, 2nd rate.
No timber, good grazing.
Rolling hill land 80.00 chains.

May 30th, 1905.

John W. Fitzpatrick
U. S. Deputy Surveyor.

Boundaries of T. 19 N., R. 54 E., M.D.M.

Latitudes, Departures and Closing Errors.

Line Designated	True Bearing	Distance	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
East Boundary	North	457.40	457.40			
N.bdy.Sec. 1.	S.89°15'W.	75.05		.98		75.04
N.bdy.Sec. 2.	S.89° 5'W.	79.85		1.28		79.84
N.bdy.Sec.3.	S.89° 6'W.	80.00		1.26		79.99
N.bdy.Sec. 4.	S.88°51'W.	39.98		.80		39.98
N.bdy.Sec. 4.	S.89° 0'W.	40.02		.70		40.02
N.bdy.Sec. 5.	S.89°17'W.	40.00		.50		40.00
N.bdy.Sec. 5.	S.89° 0'W.	39.90		.70		39.90
N.bdy.Sec.6.	S.89°14'W.	77.50		1.04		77.50
West Boundary	South	130.05		130.05		
S.bdy.Sec. 7.	N.89°57'E.	72.50	.05		72.50	
W.bdy.Sec.17.	South	80.00		80.00		
S.bdy.Sec.17.	West	80.00			80.00	
W.bdy.Sec.21.	South	80.00		80.00		
S.bdy.Sec.21.	West	80.00			80.00	
W.bdy.Sec.27.	South	80.00		80.00		
W.bdy.Sec.34.	South.	80.00		80.00		
South Boundary	East	240.00			240.00	
Convergency						.5
			457.45	457.31	472.50	472.8
			457.32			472.5

Error in Latitude= .14 Error in Dep.= .3

John W. Fitzpatrick

U. S. Deputy Surveyor

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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 Exterior Boundaries of Township 19 North Range 54 East of the Mount Diablo base and meridian, in the district of Nevada, showing the respective capacities in which they acted.

Carroll Fitzpatrick, Chainman.

Earl Fitzpatrick, Chainman.

, Chainman.

, Chainman.

Frank Pastorino, Moundman

Thomas Gleason, ~~Moundman~~ Flagman

Frank C. Cook, ~~Flagman~~ Moundman

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54

55

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 Exterior boundaries of Township 19 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.

Carroll Fitzpatrick, Chainman.
Earl Fitzpatrick, Chainman.
....., Chainman.
....., Chainman.
Thos Gleason, Flagman ~~Axeman~~.
H. Pastorino, Mound maker and Axeman ~~Axeman~~.
Frank E. Cook, Mound maker ~~Flagman~~.

Subscribed and sworn to before me this 15th day of July, 1905.

J. H. Keogh
County Clerk

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57

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 Surveyor-General for Nevada, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

Exterior Boundaries,

of Township 19 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 provisions 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. Kenny
DEPUTY COUNTY CLERK AND EX-OFFICIO
DEPUTY CLERK OF THE SUPERIOR COURT

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pg 58-59
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After Book A.

U. S. Surveyor-General's Office,

Reno, Nev., November 20, 190 6;

The foregoing field notes of the Re- *survey of the* EAST, NORTH and part of the SOUTH BOUNDARIES, and of the SURVEY of part of the WEST BOUNDARY of *Township No.* 19 N. *Range No.* 54 E *of the Mount Diablo Meridian, contained in Books* A, *executed by* John W. Fitzpatrick, D.S., *under Contract No.* 246, *dated* November 15 *190*4, *in the month of* May, *190*5, *having been critically examined, the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.*

Matthew Kyle

U. S. Surveyor-General for Nevada.

21419b300-1-06

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81

AUG - 8 Rec'd

Book B.

REPORT:

Filed OCT 1 6 1905 ~~190~~

Examined by W.H.a

Transcribed by H.R.

Compared by W.H.a

FIELD NOTES OF THE SURVEY

OF THE

Subdivision lines

OF

Township No. 19 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, 1904

Survey commenced May 31, 1905

Survey completed June 13, 1905

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NAMES AND DUTIES OF ASSISTANTS.

_____, Compassman.

Earl Fitzpatrick, Chainman.

Carroll Fitzpatrick, Chainman.

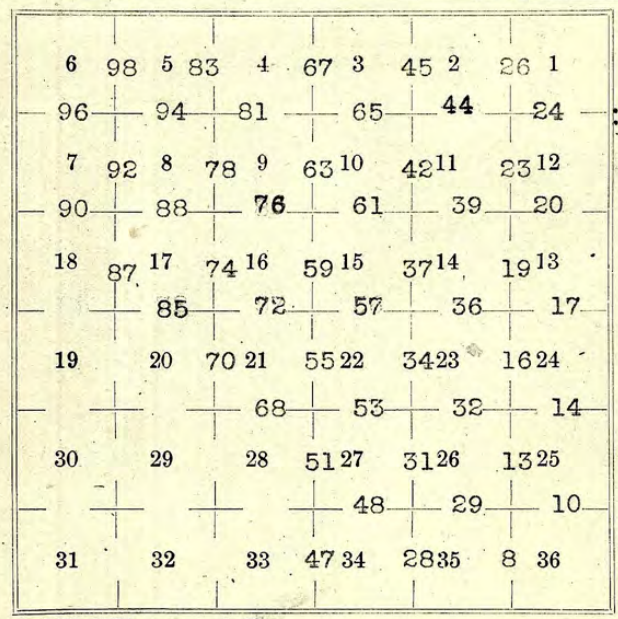
_____, Chainman.

_____, Chainman.

Frank C. Cook, Moundman

Frank Pastorino, Moundman

Thomas Gleason, Flagman.



(11921—10 M.) 289

83

1.—PRELIMINARY OATH OF CHAINMEN.

We, Earl 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 of Tp. 19 N. R. 54 E.

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

Earl Fitzpatrick, *Chainman.*

Carroll Fitzpatrick, *Chainman.*

, *Chainman.*

, *Chainman.*

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

J. H. Haegh
County Clerk

8 4

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2.—PRELIMINARY OATH OF AXMEN.

We, Frank C. Cook.

and Frank Pastorino

do solemnly swear that we will well and truly perform the duties of ~~axmen~~ mounds man, 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 subdivisions lines of Tp. 19 N. R. 54 E.

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

Frank C Cook, ~~Axman.~~ mounds man.

F Pastorino, ~~Axman.~~ mounds man.

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

J. H. Kaegle
County Clerk

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3.—PRELIMINARY OATH OF FLAGMEN.

We, Thomas Gleason

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 subdivisions of Tp. 19 N. R. 54 E.

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

Thos Gleason, *Flagman.*

, *Flagman.*

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

J. H. Medeigh
County Clerk

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Subdivision of T. 19 N.R. 54 E. M.D.M.

Chains	
	I commence at the cor. Sections 1-2-35 and 36 on the South boundary of Township 19 N.R. 54 E M.D.M., which I have re-established description of which will be found in book of Exteriors.
	Then I run N. 0° 1' W on a true line between sections 35 and 36.
	Descend
1.00	A draw Course E., 15 ft. below sec. Corner.
	Ascend
4.50	Top of spur trend E and W. 50 ft. above draw.
	Descend
9.60	Ravine Course. S. 80° E. 45 ft. below top of spur.
	Ascend
12.60	Top of spur trend E and W. 50 ft. above top of draw.
	Descend
15.00	Ravine Course. S. 50° E 35 ft. below top of spur.
	Ascend
21.10	Top of spur trend S. 60° E. N. 60 W. 65 ft. above ravine.

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
	Descend
32.86	Ravine Course S. 40° E. 60 ft. below top of spur.
	Ascend
40.00	Set a stone 16x12x10 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on west face dig pits 18x18x12 ins. North and South 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 fromthe cor. a Juniper 6 ins. in diameter bears S 51° 30' W. 291 lks. distant. Marked 1/4 S 35 B.T. A Juniper 5 ins. in diameter bears S 65° E 95 lks. distant. Marked 1/4 S. 36. B.T.
41.00	Top of spur trend S 45° E and N 45° W 60 ft. above ravine.
	Descend
44.00	Old Eureka and Hamilton road bears S 35° E and N 35° W.
44.38	A fence bears S 35° EandN 35° W and enter inclosure.
46.50	Pinto creek 10 lks. wide Course S 30° E. 40 ft. below top of spur.
	Ascend

Subdividion of T. 19 N.R. 54 E. M.D.M.

76.88	Wire fence bears S 45° E and N 45° W and line inclosure.
80.00	Set stone 15x12x10 ins. 10 ins. in the ground for corner of Sections 25, 26-35 and 36. Marked 1 notch on E and S edge and raised a mound of stone 4 ft. base 2 ft. high west of corner. from corner.
	A Juniper tree 6 ins. in diameter bears S 68° 30' W 220 lks. distant. Marked T 19 N.R. 54 E S 35 B T.
	A Juniper 12 ins in diameter bears N 48° W 310 lks. Marked T. 19 N R 54 E S 26 BT.
	No other trees near.
	Mountainous land.
	Soil 2nd and 3rd rate,
	Scattering timber.
	Mountainous land 80.00 chs.
	East on a random lime between secs. 25and36.
40.00	Set a temp. 1/4 sec. corner.
80.09	Intersect East boundary at a point 9 lks. South of cor. of secs 25,30,31, and 36.

Subdivision of T. 19 N.R. 54 E M.D.M.

	Thence I run S 89° 56' W on a true line between secs. 25 and 36.
	Ascend
4.60	Top of spur trend S 50° E and N 50° W 30 ft. above sec. cor.
	Descend
6.10	Ravine course S 45° E 35 ft. below top of spur.
	Ascend
7.90	Top of spur trend S 45° E and N 45° W 35 ft. above ravine.
	Descend
10.70	Ravine course S 40° E 40 ft. below top of spur.
	Ascend
16.10	Top of spur trend S and N 35 ft. above ravine.
	Descend
25.70	Road from Rogantini ranch to Eureka in a low sag or depression bears South 5° W and North, 40 ft. below top of spur.
	Ascend
40.04 1/2	Set a stone 20x10x8 ins. 14 ins. in the ground for 1/4 sec. cor. Marked 1/4 on North face raise

Subdivision of T. 19. N.R. 54 E. M.D.M.

	Mound of stone 3 1/2 ft. Base, 1 1/2 ft. high. North of corner from cor.
	A Juniper 8 ins. in diameter bears S 42° W 55 lks. distant.
	Marked 1/4 S 36 B T.
	A Juniper 10 ins. in diameter bears N 63° 15' W 35 lks. distant.
	Marked 1/4 S 25 B T.
42.75	Top of spur trend S 35° E and N 25° W 300 ft. above sag.
	Descend.
51.50	Ravine Course S 100 ft. below top of spur.
	Ascend
58.00	Top of spur trend S 20° E and N 20° W 180 ft. above ravine.
	Descend
69.60	Ravine Course S 30° E 90 ft. below top of spur.
	Ascend
80.09	The corner of sections 25,26, 35 and 36.
	Land first 30.09 chs. is rolling foot hills.
	Last 50 chs. mountainous.
	Soil 2nd and 3rd rate.

Subdivision of T. 19 N.R. 54 E M.D.M.

	Timber scattering Juniper. Rolling hill land 30.09 chs. Mountainous land 50.00 chains.
	N 0° 1' W between sections 25 and 26.
	Ascend
9.00	To bluff of rock 20 ft. high bears N 80 E and S 80° W.
19.00	Top of spur trend S 30° W and N 30° E 200 above sec. corner.
	Descend
25.10	Head of ravine Course N. 60° W 40 ft. below top of spur.
	Ascend
29.00	Top of spur trend N 35° W and S 35° E continue to ascend along slope of spur.
34.50	Head of ravine Course E.
40.00	Set a stone 16x12x10 ins. 11 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. raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high west of corner.
45.50	Top of spur trend S 40° W and N 40° E

Subdivision of T. 19 N.R. 54 E. M.D.M.

	continue to ascend along slope of spur.
47.00	Head of ravine Course S 45° W.
80.00	Set a stone 14x12x10 ins. 9 ins. in the ground for cor. of secs. 23-24-25 and 26.
	Marked with 2 notches on south and 1 notch 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.
	Land mountainous.
	Soil 2nd rate. No timber, good bunch grass.
	Mountainous land 80.00 chains.
	May 31st, 1905.
	At 2 h.30 m. P.M. L.M.T. I set off 39° 29' N on the latitude arc. and 21° 56' N on the declination arc. and determine a true meridian with the solar at the corner of sections 23-24-25 and 26.
	Thence I run N 89° 56' E on a random line between sections 24 and 25.
40.00	Set a temp.1/4 sec. cor.
80.12	Intersect East boundary at a point 16

Subdivision of T. 19, N.R. 54 E. M.D.M.

	1ks. North of cor. of sections 19, 30,24 and 26.
	Thence I run North 89° 57' W on true line between sections 24 and 25.
	Ascend
30.50	Top of spur trend S 25° E and N 25° W 250 ft. above sec. cor.
	Descend.
40.06	Set a stone 14x10x10 ins. 9 ins. in the ground for1/4sec. 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.
41.26	Ravine Course S 20° E 350 ft. below top of spur.
	Ascend
41.56	Trail bears N 45° E and S 45° W.
	Head of ravine Course S 45° E.
78.12	Top of spur trend south and north.
	Descend
80.12	The corner of sections 23-24-25 and 26.
	Land Mountainous.
	Soil 2nd rate,small scattering timber good grazing Mountainous land 80.12 Chs.

Subdivision of T. 19, N.R. 54 E. M.D.M.

May 31st, 1905.

N 0° 1' W between sections 23 and 24.

Ascend.

16.50 Top of spur trend N 75° W and S 75° E 150 ft. above sec. cor.

Descend

37.59 A ravine course S 80° E 175 ft. below top of spur.

Ascend

40.00 Set a stone 20x10x8 ins. 14 ins. in the ground for 1/4 section corner. 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.

54.00 Top of spur trend N 40° W and S 40° E 200 ft. above ravine.

Descend

59.50 A draw course S 45° E 70 ft. below top of spur.

Ascend.

77.50 Summit of Diamond Mountains trend N 70° W and S 70° E 180 ft. above draw.

Descend

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Subdivision of T. 19, N.R. 54 E. M.D.M.

80.00	Set a stone 20x14x8 ins., 14 ins. in the ground for corner of secs. 13-14-23 and 24. Marked 3 notches on South and 1 notch on east edge. Dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of stone 4 ft. base 2 ft. high west of corner.
	Land mountainous.
	Soil 2nd rate. Timber is Juniper small and very scattering, good grazing.
	Mountainous land 80.00 chains.
	From cor. of sections 13,14,23 and 24 I run S 89° 57' E on a random line between secs. 13 and 24.
40.00	Set a temp. 1/4 sec. cor.
80.00	Intersect east boundary at a point 7. 1ks. North of cor. of sections 13, 18, 19 and 24.
	Thence I run N 89° 54' W on a true line between sections 13 and 24.
7.75	Head of ravine Ascend course S 40° E.
8.50	Eureka and Hamilton Road bears North and south.

Subdivision of T. 19, N.R. 54 E. M.D.M.

38.00	Summit of Diamond Mountains trend S 10 WandN 10° E 350 ft. above section corner.
	Descend
40.00	Set a stone 14x10x8 ins. 9 ins. in the ground for 1/4 sec. cor. Marked 1/4 on North face dig pits 18x18x12 ins. EandW 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.
54.00	Ravine Course N 70° W 200 ft. below summit of mountain.
	Ascend
65.00	Top of spur trend N 20° W and S 20° E 75 ft. above ravine.
	Descend
71.50	Ravine Course N 20° W 50 ft. below top of spur.
	Ascend
80.00	The cor. of sections 13, 14, 23 and 24, 45 ft. above ravine.
	Land mountainous.
	Soil 2nd and 3rd rate. Some small scattering Juniper timber, undergrowth sage brush.
	Good grazing.
	Mountainous land 80.00 chains.

Subdivision T. 19, N.R., 54 E, M.D.M.

N 0° 1'W between sections 13 and 14.

Descend

10.73 Trail bears E and W.

11.15 Ravine course W 190 ft. below summit of mountains.

Ascend

19.50 Top of spur trend N 65° W and S 65° E 80 ft above ravine.

Descend

23.75 A draw course N 70° W 40 ft. below top of spur.

Ascend

31.00 Top of spur trend N 70° W and S 70° E 50 ft. above ravine.

Descend

40.00 Set a stone 16x10x8 ins. 10 ins in the ground for 1/4 sec. cor. Marked 1/4 on north face, dig pits 18x18x12 ins. N and S of stone 3 ft. distant and raise a mound of stone 3 1/2 ft. base, 2 ft. high west of corner.

55.00 A Ravine course N 10° E 125 ft. below top of spur.

Ascend

Subdivision of T 19, N.R. 54 E, M.D.M.

58.00	Top pf spur trend N 15° E and S 15° W 30 ft. above ravine.
	Descend
76.00	Eureka and Hamilton Road bears N 87° W and S 87° E.
76.50	Ravine course S 89° W 80 ft. below top of spur.
	Ascend
80.00	Set a stone 14x10x10 ins. 9 ins. in the ground for corner of secs. 11,12,13 and 14. Marked 4 notches on South and 1 notch 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. Land mountainous. Soil 2nd rate, No timber, good grazing. Mountainous land 80.00 chains.

June 1st, 1905.

At 2 h. 30 m. P.M. L.M.T. I set off 39° 31' N on the Latitude arc. and 22° 4' N on the declination arc. and determine a true meridian with the solar at the cor. of secs. 11,12,13,14.

Subdivision T 19, N.R. 54 E, M.D.M.

	Thence I run S 89° 54′ E on a random line between sections 12 and 13.
40.00	Set a temp 1/4 sec. cor.
79.95	Intersect East boundary 14 lks. south of cor. of sections 12,13,7 and 18.
	Thence I run west on a true line between sections 12 and 13
	Descend
.66	A spring branch 5 lks. wide S 35° W 15 ft. below sec. corner.
	Ascend
2.80	Point of spur trend S and N 10 ft. above spring branch.
	Descend
4.35	Spring branch 3 lks. wide S 5° W 18 ft. below spur.
	Ascend
4.90	Point of low spur trend 30° E and N 30° W 10 ft- above spring branch.
	Descend
5.16	A spring branch 3 lks. wide S 35° E 5 ft. below spring branch.
	Ascend
14.50	Top of bluff bears N 35° E and S 35° W 300 ft. above spring branch.
15.00	Summit of Diamond mountain trend N 30 E and S 30° W 308 ft. above spring branch.

Subdivision of T 19, N.R. 54 E. M.D.M.

	Descend
22.70	Road bears N and S
31.22	Ravine cor. S 45° W and continue descent.
39.80	Eureka and Hamilton Road bears N 55° W and S 45 E.
39.97 1/2	Set a stone 22x14x12 ins. 14 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 raised a mound of earth and stone 3 1/2 ft. base 1 1/2 ft. high north of cor.
46.60	Eureka and Hamilton road bears N 70° E and S 70° W.
52.35	Road bears N 60° W and S 60° E.
53.85	Ravine cor. N 65° W 150 ft. below summit of mountain.
	Ascend
64.90	Top of spur trend N and S 50 ft. above ravine.
	Descend
72.55	Ravine cor. S 40° W 50 ft. below top of spur.
	Ascend
72.80	Eureka and Hamilton Road bears S 40° W and N 40° E.

Subdivision of T 19, N.R. 54 E, M.D.M.

78.45	Top of spur trend S and W 40 ft. above ravine.
	Descend.
79.95	The corner of sections 11,12,13 and 14. Mountainous land.
	Soil 2nd rate.
	No timber, good grass.
	Mountainous land 79.95 chains.
	June 1st, 1905.
	N 0 1' W between sections 11 and 12.
	Ascend along west slope of spur.
21.50	Top of spur trend S 70° W and N 70° E 150 ft. above section corner.
	Descend.
34.15	Ravine course S 70° W 120 lks. from line turns to S 40 W 100 ft. below top of spur.
	Ascend
40.00	Set a stone 20x12x6 ins. 14 ins. in the ground for 1/4 sec. cor. Marked 1/4 on W 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.

Subdivision of T. 19, N.R. 54 E, M.D.M.

67.40 Top of high spur between Bennett Canyon and Pastorino Canyon trend N 80° W and S 80° E 250 ft. above ravine.

Descend

75.80 Ravine course N 45° W 80 ft. below top of spur.

Ascend

80.00 Set a stone 20x14x8 ins. in mound of stone 2 ft. base 1 1/4 ft. high for corner of sections 1,2,11 and 12. Marked 5 notches on South and 1 notch on East edge and raise a mound of stone 4 ft. base 2 ft. high west of corner.
Pits impracticable.

Mountainous land.

Soil 2nd and3rd rate, good grazing, no timber.

Mountainous land 80.00 chains.

June 2nd, 1905.
At 10 h.0m. A.M. L.M.T. I set off 39° 31' N on the Latitude arc. and 22° 10' N on the declination arc. and determine a true meridian with the solar at the corner of sections 1,2, 11 and 12.

Subdivision of T. 19, N.R. 54 E. M.D.M.

	Thence I run East on a random line between Sections 1 and 12.
40.00	Set a temp. 1/4 sec. cor.
80.05	Intersect east boundary at a point 10 lks. North of the corner of sections 1,6,7 and 12.
	Thence I run N 89° 56' W on a true line between sections 1 and 12.
	Descend.
19.25	Old road bears S 35° E and N 35° W.
22.50	Ravine course S 30° E 150 ft. below section corner.
	Ascend
40.02 1/2	Set a stone 20x10x10 ins. in a mound of stone 2 1/2 ft. base 1 1/4 ft. high for 1/4 sec. cor. Marked 1/4 on North face, and raised a mound of stone 3 1/2 ft. base 1 1/2 ft. high. North of corner.
	Pits inpracticable.
42.50	Top of high spur trend S 25° W and N 25° E.
	Descend
52.00	Head of ravine course N 65° W 200 ft. top of spur.
	Ascend.

Subdivision of T. 19, N.R. 54 E. M.D.M.

64.00	Top of spur trend N 75° W and S 75° E 50 ft. above ravine.
	Descend
80.05	The corner of sections 1,2,11 and 12. Land mountainous Soil 2nd and 3rd rate. No timber, good grazing. Mountainous land 80.05 chains.
	N 0° 1' W between sections 1 and 2.
	Ascend
1.05	Top of spur trend N 85° W and S 85° E 70 ft. above ravine.
	Descend
4.25	Ravine Course N 80° W 35 ft. below top of spur.
	Ascend
16.00	Top of spur trend N 85° W and S 85° E 40 ft. above ravine.
	Descend
22.50	Ravine Course S 70° W 45 ft. below top of spur.
	Ascend
28.25	Ridge bears W and E.
	Descend.

Subdivision of T. 19, N.R. 54 E. M.D.M.

~~Descend~~ ------

40.00 Set a stone 12x12x10 ins. 8 ins. in the ground for 1/4 sec. cor. Marked 1/4 on west face dig pits 18x18x12 ins. NandS 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.

45.50 Ravine course S 85° W 180 ft. below top of spur.

Ascend

56.40 Intersect North boundary of Township at a point 485 lks. S 89° 5' W of corner of sections 35 and 36. At point of intersection I set a stone 14x10x8 ins. 9 ins. in the ground for closing corner of sections 1 and 2. Marked C.C. on South, 1 groove on east and 5 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.

Mountainous land.

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

Subdivision of T 19, N.R. 54 E,M.D.M.

Mountainous land 56.40 chains.
June 2nd, 1905.

June 3rd, 1905.

At 8 h. 0 m. A.M. L.M.T. I set off 39° 27' N on the Latitude arc. and 22° 17' N on the declination arc. and determine a true meridian with the solar at the corner of sections 2,3, 34 and 35 on south boundary of Township.

Thence I run N 0° 2' W between sections 34 and 35. Ascend

15.00 Summit of Diamond Mountain trend S 65° E and N 65° W.

100 ft. above section corner.

38.00 Ravine course N 40° W 80 ft below top of spur

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.

52.00 Top of spur trend E and W 75 ft. above ravine.

Descend.

Subdivision of T 19, N.R. 54 E M.D.M.

58.00	Ravine course W.25 ft. below top of spur.
	Ascend
64.00	Top of spur trend W and E 45 ft. above ravine.
	Descend
69.00	Ravine course W. 25 ft. below top of spur.
	Ascend
79.00	Top of spur trend W and E 40 ft. above ravine.
	Descend
80.00	Set a stone 20x12x10 ins. 14 ins. in the ground for cor. of sections 26,27 34 and 35. Marked 1 notch on S and 2 notches on E 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 rate. No timber, dense growth, sage brush and bunch grass, good grazing. Mountainous land 80.00 chains.
	From the corner of sections 26, 27, 34and35 I run east on a random line between sections 26 and 35.

Subdivision of T. 19, N.R. 54 E, M.D.M.

40.00	Set a temp. 1/4 sec. Cor.
79.90	Intersect N and S line at a point 16 lks. North of corner of sections 25, 26, 35 and 36. Thence I run N 89° 53' W on a true line between sections 26 and 35.
	Ascend.
1.50	Fence bears N and S and enter inclosure of James Rogantini.
2.50	Top of spur trend S and N 35 ft. above section corner.
	Descend.
20.40	Pinto Creek 7 lks. wide course S. 60° E 200 feet below top of spur.
23.30	A spring the head of Pinto Creek bears N 7° W 10 chains distant.
23.40	A post and wire fence bears S. 30° E and N 30° W and leave inclosure of James Rogantini.
25.52	Old road from Eureka to Hamilton bears S 60° E and N 60° W.
28.15	Commence steep ascent.
39.95	Set a stone 16x12x10 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.

Subdivision of T. 19, N.R. 54 E, M.D.M.

	base 1 1/2 ft. high north of corner.
70.00	Summit Diamond Mountains trend N 30° W and S 30° E 800 ft. above Pinto Creek.
	Descend
79.90	The corner of sections 26, 27, 34 and 35.
	Land mountainous.
	Soil 2nd and 3rd rate. Some small scattering Juniper timber, good grazing land.
	Mountainous land 79.90 chains.
	N 0° 2' W between sections 26 and 27.
	Descend
8.50	Ravine Course N 80° W 50 ft. below top of spur.
	Ascend
30.50	Top of spur trend N 45° W and S 45° E 100 ft. above ravine.
	Descend
40.00	Set a stone 18x12x8 ins. 12 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 cor.

Subdivision of T. 19, N.R. 54 E, M.D.M.

46.80	Old road from Eureka to Hamilton bears N 38° W and S 38° E.
49.10	Ravine course N. 35° W 100 ft. below top of spur.
	Ascend
50.00	Point of Spur trend W and E 10 ft. above ravine.
	Descend
52.34	Ravine course S. 70° W 15 ft. below top of spur.
	Ascend
80.00	Set a stone 18x12x10 ins. 12 ins. in the ground for corner of sections 22,23, 26 and 27. Marked 2 notches on S and E edge; dig pits 18x18x12 ins in each section 5 1/2 ft. distant and raise a mound of stone 4 ft. base 2 ft. high west of corner.
	Mountainous land.
	Soil 2nd rate. No timber, good grazing.
	Mountainous land 80.00 chains.
	From the corner of sections 22,23 26, and 27 I run S 89° 53'E on a random line between secs. 23 and 26.
40.00	Set a temp. 1/4 sec. cor.

Subdivision of T. 19, N.R. 54 E, M.D.M.

79.85	Intersect N and S line at a point 13 lks. South of corner of sections 23,24,25 and 26. Thence I run N 89° 59' W on a true line between sections 23 and 26.
	Descend
8.55	Ravine course S 45° W 40 ft. below sec. corner.
	Ascend.
11.30	Top of spur trend S and N 25 ft. above ravine.
	Descend
16.50	Ravine course S. 30° E 40 ft. below top of spur.
	Ascend
27.30	Summit of Diamond Mountains range trend S 80° W and N 40° E 125 ft. above ravine.
	Descend
39.92½	Set a stone 20x14x10 ins. 14 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 and stone 3 1/2 ft. base 1 1/2 ft. north of corner.
43.13	Ravine course N 30° W 90 ft. below top of spur.

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
	Ascend
63.43	Top of spur trend N and S 125 ft. above ravine.
	Descend
71.85	Ravine course N. 20° W 80 ft. below top of spur.
	Ascend
79.00	Top of rocky spur trend S 30° E and N 30° W 50 ft. above ravine.
	Descend
79.85	The corner of sections 22, 23, 26 and 27.
	Mountainous land.
	Soil 2nd and 3rd rate. No timber, good grazing.
	Mountainous land 79.85 chains.
	June 3rd, 1905.

N 0° 2' W between sections 22 and 23.

	Ascend
2.50	Top of spur trend N 15° W and S 15° E 150 ft. above last ravine.
	Descend
8.08	Bluff of rock 20 ft. high bears E and W.
32.60	Ravine course. N 80° W 200 ft. below top of spur.

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
	Ascend
40.00	Set a stone 16x8x8 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 base 1 1/2 ft. high west of corner.
58.00	Top of spur trend W and E 150 ft. above ravine.
	Descend
61.00	A draw course N 80° W 25 ft. below top of spur.
	Ascend
66.00	Top of spur trend N 85° W and S 85° E 40 ft. above ravine.
	Descend
74.50	Ravine course N. 20° W 75 ft. below top of spur.
	Continue descent.
80.00	Set a stone 18x12x10 ins., 12 ins. in the ground for corner of sections 14, 15,22 and 23. Marked 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 and stone 4 ft. base 2 ft. high west of corner

Subdivision of T. 19, N.R. 54 E., M.D.M.

Chains.	
	Mountainous land.
	Soil 2nd rate good grazing. No timber
	Mountainous land 80.00 chains.
	June 5th, 1905.
	At 10 h. 0 m. A.M. L.M.T. I set off 39° 31' N on Latitude arc. and 22° 32' N on the declination arc and determine a true meridian with the solar at the corner of sections 14,15,22 and 23.
	Thence I run S 89° 59' E on a random line between sections 14 and 23.
40.00	Set a temp. 1/4 sec. cor.
79.93	Intersect N and S line at a point 10 lks. south of corner of sections 13, 14, 23 and 24.
	Thence I run S 89° 57' W on a true line between sections 14 and 23.
	Ascend
15.00	Top of spur trend N 20° E and S 20° W 120 ft. above corner.
	Descend
28.00	Ravine co .N. 15° W 100 ft. below top of spur.
	Ascend

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Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
35.00	Top of spur trend N 30° W and S 30° E 90 ft. above ravine. Descend
39.00	Ravine N 40 W 50 ft. top of spur.
39.96 1/2	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 earth and stone 3 1/2 ft. base 1 1/2 ft. high W of corner.
42.95	Top of spur trend N 40° W and S 40° E 200 ft. above ravine.
56.33	Ravine N. 40° W 200 ft. below top of spur.
	Ascend
72.95	Top of spur trend N 15° W and S 15° E 75 ft. above ravine.
	Descend
79.93	The corner of sections 14, 15, 22 and 23. Land Mountainous. Soil 2nd rate, good growth of bunch grass. No timber. Mountainous land 79.93 chains.

N 0° 2' W between sections 14 and 15.

Subdivision of T. 19 N.R. 54 E. M.D.M.

Chains	
	Descend along west slope of spur.
22.00	Top of spur trend N 35° W and S 35° E.
26.70	Ravine Course N 45° W 200 ft. below section corner.
	Ascend
35.00	Top of spur N 40° W and S 40° E 50 ft. above ravine.
	Descend.
40.00	Set a stone 22X12x8 ins. 15 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 and earth 3 1/2 ft. base 1 1/2 ft. high west of corner.
41.50	A spring bears N 86° W about 35 chains distant.
52.20	Ravine Course S. 55° W 100 ft. below top of spur.
	Ascend
53.90	Road from Eureka to Hamilton bears S 60° W and N 60° E.
64.00	Top of spur trend S 55° W and N 55° E 90 ft. above ravine.
	Descend.

Subdivision of T. 19, N.R. 54 E M.D.M.

Chains	
71.25	Ravine Course S. 65° W 60 ft. below top of spur.
	Ascend
80.00	Set a stone 16x12x10 ins. in a mound of stone 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. Raise a mound of stone 4 ft. base 2 ft. high west of corner. Pits impracticable. Mountainous land. Soil 2nd and 3rd rate mostly 2nd rate, good grazing. Mountainous land 80.00 chains.
	From the corner of sections 10,11, 14 and 15 I run N 89° 57' E on a random line between sections 11 and 14.
40.00	Set a temp. 1/4 sec. cor.
80.12	Intersect N and S line at a point 11 lks. South of corner of sections 11,12, 13 and 14. Thence I runs 89° 52' W on a true line between sections 11 and 14.
	Descend.

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
7.45	Ravine .S. 20° W 40 ft. below top of spur east of sec. corner.
	Ascend
10.45	Top of spur trend S 15° W and N 15° E 25 ft. above ravine.
	Descend
12.20	Ravine .S. 10° W 15 ft. below top of spur.
	Ascend
23.50	Top of spur trend S and N 50 ft. above ravine.
	Descend
26.45	Ravine . South 35 ft. below top of spur.
	Ascend
29.00	Top of spur trend S 10° W 25 ft. above ravine.
	Descend
33.58	Ravine .S. 40 ft. below top of spur.
	Ascend.
36.95	Top of spur trend SandN 40 ft. above ravine.
	Descend
40.06	Set a stone 18x12x10 ins. 12 ins. in the ground for 1/4 sec. cor. Marked

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	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 base 1 1/2 ft. high North of corner.
48.40	Ravine Course S. 80 ft. below top of spur.
	Ascend
49.60	Top of spur trend S and N 15 ft. above ravine.
	Descend
56.95	Ravine Course S. 30° W 90 ft. below top of spur.
	Ascend
60.95	Top of spur trend S 25° W and N 30° E 40 ft. above ravine
	Descend
64.00	Ravine Course S. 30° W 20 ft. below top of spur.
	Ascend
75.50	Top of spur trend S 30° W and N 30° E 60 ft. below top of spur.
	Descend
80.12	The cor. of sections 10,11,14 and 15. Mountainous land. Soil 2nd and 3rd rate, good grazing. No timber.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains.	
	Mountainous land 80.12 chains.
	N 0° 2'W between sections 10 and 11.
	Ascend
2.50	Top of spur trend S 60° W 40 ft. above ravine.
	Descend
14.55	Ravine course S. 70° W 65 ft. below top of spur.
	Ascend
38.00	Top of spur trend W and E 150 ft. above ravine.
40.00	Set a stone 18x10x10 ins. 12 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 W. of corner.
45.00	Ravine course N. 45° W 70 ft. below top of spur.
	Ascend
49.00	Top of spur trend N 45° W and S 45° E 65 ft. above ravine.
	Descend.

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
58.05	Trail bears N 45° W and S 45° E.
58.65	Ravine course N. 40 W 50 ft. below top of spur.
	Ascend
63.00	Top of spur trend N 50° W and S 50° E 50 ft. above ravine.
	Descend
64.80	Trail bears N 50° W and S 50° E.
65.16	Ravine course N. 50° W 35 ft. below top of spur S 50° E from this point is a spring 50 lks. distant.
	Ascend
73.00	Top of spur trend W and E 45 ft. above ravine.
77.40	Ravine course W. 50 ft. below top of spur.
	Ascend
80.00	Set a stone 15x10x8 ins. 10 ins. in the ground for cor. of sections 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 raised a mound of earth and stone 4 ft. base 2 ft. high W. of corner.
	Mountainous land.

Subdivision of T. 19 N.R. 54 E M.D.M.

Chains	
	Soil 2nd rate, good growth of grass, no timber. Mountainous land 80.00 chains. June 5th, 1905.
	From the corner of sections 2,3,10 and 11 I run N 89° 52' E on a random line between sections 2 and 11.
40.00	Set a temp. 1/4 sec. corner.
79.95	Intersect N and S line at a point 14 lks. south of cor. of sections 1,2, 11 and 12.
	Thence I run S 89° 46' W on a true line between sections 2 and 11.
	Descend.
5.65	Ravine course N. 50° W 40 ft. below top of spur.
	Ascend
14.00	Top of spur trend N 45° W and S 45° E 60 ft. above ravine.
	Descend
23.00	Ravine course N 40° W 65 ft. below top of spur.
	Ascend
39.75	Top of spur trend N 65° W and S 60° E.

Subdivision of T. 19 N.R. 54 E M.D.M.

	Descend
39.97 1/2	Set a stone 14x12x10 ins. 9 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 and stone 3 1/2 ft. base 1 1/2 ft. high North of corner.
79.95	The corner of sections 2, 3, 10 and 11. Mountainous land. Soil 2nd rate good growth of grass, no timber. Mountainous land 79.95 chains.
	June 6th, 1905.
	At 9 h. 15 m. A.M. L.M.T. I set off 39° 31' N on the Latitude arc. and 22° 38' W. on the (Declination arc) and determine a true meridian with the solar at the corner of sections 2,3,10 and 11. Thence I run N 0° 2' E on a true line between sections 2 and 3.
	Ascend
4.00	Top of spur trend W and E 80 ft. above ravine.
	Descend.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
10.00	A spring in ravine bears south 70° west about 10 chains distant.
16.50	Road bears S 60° W and N 60° E at the point a gate in west end of small enclosure bears N 60° E 15 lks. dist.
17.00	Ravine course S. 60° W 70 ft. below top of spur.
	Ascend.
18.00	Fence bears E and W.
32.50	Ridge bears N 70° W and S 70° E 80 ft. above ravine.
	Descend
40.00	Set a stone 14x12x6 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 stone 3½ ft. base 1 1/2 ft. high west of corner.
46.50	Ravine course W 100 ft. below top of spur.
	Ascend.
55.60	Intersect north boundary of Township 520 lks. S 89° 6' west of corner of sections 34,35, T 20 N R 54 E. At point of intersection set a stone

Subdivision of T. 19 N.R. 54 E M.D.M.

Chains	
	16x10x10 ins.10 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. Mountainous land. Soil 2nd rate good growth grass. No timber. Mountainous land 55.60 chains.
	From corner of sections 3,4, 33 and 34 on south boundary of Township 19 N. R. 54 E., I run North 0° 3' West on a true line between sections 33 and 34.
	Descend
33.20	Trail bears N.E. and S.W.
38.20	Trail bears N.E. and S.W.
39.05	Ravine course N. 50° E 100 ft. below 1/4 section corner.
40.00	Set a stone 20x16x10 ins. 14 ins. in the ground for 1/4 sec. cor. Marked

Subdivision of T. 19 N.R. 54 E M.D.M.

Chains	
	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.
60.00	Top of spur trend N 40° E and S 40° W 150 ft. above ravine.
	Descend
71.60	Ravine course N 70 E 80 ft. below top of spur.
	Ascend
80.00	Set a stone 18x12x8 ins. 12 ins. in the ground for corner of sections 27, 28, 33 and 34. Marked 1 notch 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 stone 4 ft. base 2 ft. high west of corner.
	Land Mountainous.
	Soil 2nd and 3rd rate.
	No timber, dense growth of sage brush, and bunch grass.
	Mountainous land 80.00 chains.
	From corner of sections 27, 28, 33 and

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	34 I run east on a random line between sections 27 and 34.
40.00	Set a temp. 1/4 sec. cor.
80.15	Intersect N and S line at a point 11 lks. North of cor. of sections 26,27,34 and 35.
	Thence I run N. 89° 55' W on a true line, between secs. 27 and 34.
	Descend
8.80	Ravine course N 20° W 50 ft. below section corner.
	Ascend
9.30	Point of spur trend N and S 15 ft. above ravine.
	Descend
10.80	Ravine course N 40° E 10 ft. below top of spur.
	Ascend
25.50	Top of spur trend N 40° E 150 ft. above ravine.
	Descend
35.30	Trail bears N 40° E and S 40° W.
36.69	Ravine course N 35° E 60 ft. below top of spur.
	Ascend

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
40.07½	Set a stone 14x10x10 ins. 9 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 and stone 3 1/2 ft. base 1 1/2 ft. high north of corner.
42.50	Road on top of spur trend N 45° E and S 45° W 75 ft. above ravine.
	Descend
52.50	Ravine Course N. 43° E 80 ft. below top of spur.
	Ascend
63.00	Top of spur trend N 50° E and S 50° W 75 ft. above ravine.
	Descend
70.00	Ravine Course N 60° E 65 ft. below top of spur.
	Ascend
80.15	The corner of sections 27,28, 33 and 34.
	Land Mountainous.
	Soil 2nd rate, no timber, good growth of grass.
	Mountainous land 80.15 chains.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	June 6th, 1905.
	June 7th, 1905.
	At 8 h. 0 m. A.M. L.M.T. I set off 39° 38' N on Latitude arc. and 22°45' N on the declination arc. and determine a true meridian with the solar at the corner of sections 27,28, 33 and 34. Thence I run N 0° 3' W on a true line between sections 27 and 28.
	Ascend
2.50	Top of spur trend N 50° E and S 50° W 85 ft. above ravine.
	Descend
11.85	Ravine course N 30° E 75 ft. below top of spur.
	Ascend
13.00	Top of spur trend N 40° E 35 ft. above ravine.
	Descend
22.00	Ravine course N. 60° E 50 ft. below top of spur.
	Ascend
31.50	Top of spur trend N 40° E 80 ft. above ravine.

Subdivision of T. 19 N.R. 54 E. M.D.M.

Chains	
	Descend
40.00	Set a stone 20x14x10 ins. 14 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.
43.97	Trail bears N 65°E and S 40° W.
44.28	Ravine N 65°E 100 ft. below top of spur.
	Ascend
56.50	Top of spur trend N 45° E and S 45° W 90 ft. above ravine.
	Descend
72.38	Ravine N. 45° E 75 ft. below top of spur.
	Ascend
80.00	Set a stone 15x10x8 ins. 10 ins. in the ground for corner of sections 21,22, 27and 28. Marked 2 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.

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Chains	
	Mountainous land. Soil 2nd rate. No timber, good growth of bunch grass. Mountainous land 80.00 chains.
	From corner of sections 21,22,27 and 28 I run S. 89°55' E. on a random line between sections 22 and 27.
40.00	Set a temp. 1/4 sec. cor.
80.07 30	Intersect North and South line at a point 30 lks. south of corner of sections 22,23, 26 and 27. Thence I run S 89°52' W on a true line between sections 22 and 27.
	Descend
3.90	Head of ravine course S 20° W 40 ft. below section corner.
	Ascend
6.35	Top of spur trend S 10° E and N 10° W 25 ft. above ravine.
	Descend
6.85	Head of ravine course S. 40° ft. below top of spur.
	Ascend
13.00	Top of spur trend S 20° W and N 20° E

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
	25 ft. above ravine.
	Descend
22.50	Bluff of rock 15 ft. high bears N 20° W and S 20° E.
30.90	Ravine course N 35°W and 50 lks. from line turns to N 50°W 200 ft. below top of spur.
	Ascend
31.20	Old road from Eureka to Hamilton bears N 40° W and S 15° E.
34.60	Trail bears S 40° E and N 55° W.
39.50	Top of spur trend N and S 75 ft. above ravine.
	Descend
40.03½	Set a stone 14x12x10 ins. 9 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 and stone 3 1/2 ft. base 1 1/2 ft. high north of corner.
43.00	Depression bears N and S 20 ft. below top of spur.
	Ascend
52.30	Top of spur trend N 10° W and S 10° E

Subdivision of T. 19 N.R. 54 E., M.D.M.

Chains	
	35 ft. above depression.
	Descend.
59.60	Ravine course N 50 ft. below top of spur.
	Ascend.
66.60	Top of spur trend N 15° E and S 15° W 40 ft. above ravine.
	Descend
74.10	Ravine course N 35° E 60 ft. below top of spur.
	Ascend
80.07	The corner of sections 21, 22, 27 and 28.
	Land Mountainous.
	Soil 2nd rate, good growth of grass, no timber.
	Mountainous land 80.07 chains.
	N 0° 3' W between sections 21 and 22.
11.40	Ravine course N 40° E 80 ft. below point of descent.
	Ascend
27.50	Top of spur trend N 40° E and S 40° W

Subdivision of T. 19, N.R. 54 E., M.D.M.

Chains	
	75 ft. above ravine.
	Descend
40.00	Set a stone 16x12x10 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 earth and stone 3 1/2 ft. base 1 1/2 ft. high, west of corner.
51.75	Trail bears N 50°E and S 50°W.
51.95	Ravine course N 50°E 65 ft. below top of spur.
	Ascend
57.00	Point of spur trend E and W 75 ft. above ravine.
	Descend
66.00	A wire fence bears N 40°W and S 40°E and enter inclosure of A Depaoli.
66.40	Road bears N 40°W and S 40°E.
69.20	Simpson creek 6 lks. wide course N. 50°W 90 ft. below top of spur.
	Ascend
69.73	A wire fence bears N 50°W and S 50°E and leave inclosure.
80.00	Set a stone 18x10x10 ins. 12 ins. in

Subdivision of T. 19 N.R. 54 E., M.D.M.

Chains	
	the ground for cor. of sections 15,16, 21and 22; Marked T 19 on N E R 54 on S E face and 3 notches on south and east edge and raise a mound of stone 4 ft. base 2 ft. high west of corner. A nut pine 6 ins. in diameter bears S 89°E 46 lks distant Marked T 19 N R 54 E S 22 B T. A nut pine 10 ins. in diameter bears N. 38°15' E 130 lks distant. Marked T 19 N R 54 E S 15 B T. A nut pine 8 ins. in diameter bears N 38°45' W 147 lks. distant. Marked T 19 N R 54 E S 16 B T.
	Land mountainous.
	Soil 2nd rate. Some small scattering timber of Juniper and Nut Pine last 10 chains, good growth of bunch grass. Mountainous land 80.00 chains.
	From corner of sections 15,16,21 and 22 I run N 89°52' E on a random line between sections 15 and 22.
40.00	Set a temp. 1/4 sec. cor.
80.00	Intersect north and south line at a point 5 lks. South of cor. of sec-

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	tions 14,15,22 and 23.
	Thence I run S 89°50' W on a true line between sections 15 and 22.
	Ascend
5.40	Top of spur trend N 40° W and S 40° E 35 ft. above sec. cor.
	Descend
6.25	Head of ravine course N 35 ft. below top of spur.
	Ascend
20.60	Top of spur trend N 45° W and S 45° E 75 ft. above ravine.
	Descend
23.00	Ravine course N. 55° W 40 ft. below top of spur.
	Ascend
28.90	Top of spur trend N 55° W and S 55° E 40 ft. above ravine.
	Descend
33.00	Ravine course N 50° W 60 ft. below top of spur.
	Ascend
40.00	Set a stone 14x12x10 ins. 9 ins. in the ground for 1/4 sec. cor. Marked 1/4 on north face, dig pits 18x18x12

Subdivision of T. 19 N.R. 54 E., M.D.M.

Chains	
	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.
46.00	Top of spur trend N 20° W and S 20° E 90 ft. above ravine.
	Descend
54.50	Ravine course N. 40 ft. below top of spur.
	Ascend
66.00	Top of spur trend N 50° W and S 50° E 50 ft. above ravine.
80.00	The corner of sections 15,16,21 and 22.
	Land mountainous.
	Soil 2nd rate, small scattering timber of Juniper, dense growth sagebrush and bunch grass.
	Mountainous land 80.00 chains.
	July 7th, 1905.

N 0° 3' W between sections 15 and 16.

	Ascend
7.50	Top of spur trend N 25° W and S 25° E 25 ft. above sec. cor. and 250 ft. above

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	Simpson creek.
	Descend
23.65	Ravine course N 40° W 100 ft. below top of spur.
	Ascend
38.50	Top of spur trend W and E 80 ft. above ravine.
	Descend
40.00	Set a stone 16x10x8 ins. 11 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.
46.40	Ravine course N 80° W 40 ft. below top of spur.
	Ascend
49.00	Top of spur trend N 70° W and S 70° E 20 ft. above ravine.
	Descend
59.60	Ravine course N. 60° W 100 ft. below top of spur.
	Descend
60.50	Eureka and Hamilton road bears N 80° W and S 80° E.

Subdivision of T. 19, N.R. 54 E. M.D.M.

Chains	
	Descend
10.55	Ravine course S. 20° W 70 ft. below section corner.
	Ascend
19.80	Top of spur trend S 20° E and N 20° W 60 ft. above ravine.
	Descend
23.80	Ravine course S. 35 ft. below top of spur.
	Ascend
28.40	Top of spur trend S and N 30 ft. above ravine.
	Descend
34.20	Ravine course S. 40 ft. below top of spur.
	Ascend
40.06	Set a stone 18x10x10 ins. 12 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.
44.00	Top of spur trend S 50° W and N 50° E 40 ft. above ravine.
	Descend
56.00	A draw course N. 70 ft. below top of spur.
	Ascend

Subdivision of T. 19 N.R. 54 E., M.D.M.

Chains	
66.00	Top of spur trend N 30° W and S 30° E 40 ft. above ravine.
	Descend
80.12	The corner of sections 9,10,15 and 16. Mountainous land. Soil 2nd and 3rd rate. No timber, good grazing land. Mountainous land 80.12 chains.
	June 8th, 1905. At 1 h. 30 m. P.M. L.M.T. I set off 39° 31' N on Latitude arc. and 22° 51' N on declination arc. and determine a true meridian with the solar at the corner of sections 9, 10, 15 and 16. Thence I run N 0° 3' W between sections 9 and 10.
	Descend
5.75	Ravine .W. 75 ft. below section corner and 125 ft. below top of spur.
	Ascend
22.50	Top of spur trend W and E 50 ft. above ravine.
	Descend
34.00	Ravine .S. 45° W 75 ft. below top of spur.

Subdivision of T. 19, N.R. 54 E., M.D.M.

Chains	
	Ascend
40.00	Set a stone 20x10x8 ins. 14 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.
42.00	Top of spur trend N 85° W and S 85° E 60 ft. above ravine. Descend.
49.75	Ravine course N. 80° W 75 ft. below top of spur.
	Ascend
56.50	Top of spur trend N 70° W and S 70° E 50 ft. above ravine.
	Descend
66.50	Ravine course W. 60 ft. below top of spur.
	Ascend
74.00	Top of spur trend N 65° W and S 65° E 50 ft. above ravine.
	Descend
80.00	Set a stone 12x10x8 ins. 8 ins. in the ground for cor. of sections 3,4, 9 and 10. Marked 5 notches on South and 3 notches on east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	distant, and raise a mound of earth and stone 4 ft. base 2 ft. high west of corner.
	Mountainous land.
	Soil 2nd rate, some small scattering Juniper timber, good growth of bunch grass.
	Mountainous land 80.00 chains.
	From corner of sections 3,4,9 and 10 I run N 89 54' E on a random line between sections 3 and 10.
40.00	Set a temp. 1/4 sec. cor.
80.08	Intersect North and South line at a point 9 lks. south of corner of sections 2,3,10 and 11.
	Thence I run S 89°50' W on a true line between sections 3 and 10.
	Descend
17.00	A fence bears N 40°W and S 40°E.
22.00	Ditch 3 lks. wide course S 30°W.
23.50	Ravine course N. 40°W 100 ft. below section corner.
24.70	Ditch 3 lks. wide course N. 40° W.
29.50	Fence bears N and S.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
29.75	Top of spur trend N and S 60 ft. above ravine.
33.40	Fence bears N 70°E and S 70°W.
38.60	Fence bears N and S.
39.75	Ravine course N. 50 ft. below top of spur.
	Ascend
40.04	Set a stone 18x12x10 ins. 12 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.
57.00	Top of spur trend N 45°W and S 45°E 125 ft. above ravine.
	Descend
73.00	Ravine course N. 40° W 80 ft. below top of spur.
	Ascend
79.00	Commence to descend.
80.08	The cor. of sections 3,4,9 and 10. Mountainous land. Soil 2nd rate, covered with sagebrush and bunch grass. Mountainous land 80.08 chains.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	N 0° 3' W on a true line between sections 3 and 4.
	Descend.
3.65	Road bears S 80° W and N 80° E.
4.00	Ravine course S 80° W 35 ft. below section corner and 65 ft. below top of spur.
25.00	Top of spur trend S 80° W and N 80° E 200 ft. above ravine.
	Descend
29.50	Ravine course W. 35 ft. below top of spur.
	Ascend
35.00	Ridge bears W and E.
	Descend
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 N. and S. of stone 3 ft. distant, and raise a mound of earth and stone 3 1/2 ft. high base, 1½ ft. high west of corner.
43.00	Ravine course W 75 ft. below top of spur.
	Ascend
51.00	Top of spur trend W and E 60 ft. above ravine.
	Descend.

Subdivision of T. 19 N.R. 54 E M.D.M.

Chains

53.80 Intersect North boundary of township at a point 497 lks. S 88°51' W of corner of sections 33 and 34 at point of intersection I set a stone 18x14x10 ins. 12 ins. in the ground for closing corner of sections 3 and 4.
Marked C.C. on south 3 grooves on east and 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.
Mountainous land.
Soil 2nd rate with dense growth of sagebrush and bunch grass. No timber.
Mountainous land 53.80 chains.

June 8th, 1905.

June 9th, 1905.

At 8 h. 45 m. A.M. L.M.T. I set off 39° 29' N on the Latitude arc. and 22° 56' N on declination arc and determine a true meridian with the solar at the corner of sections 21,22, 27 and 28.
Thence I run west on a true line be-

Subdivision of T. 19 N.R. 54 E,M.D.M.

Chains	
	tween sections 21 and 28.
	Ascend
3.50	Top of spur trend N 30° W 25 ft. above corner.
	Descend.
8.00	A draw course N. 40° E 15 ft. below top of spur.
	Ascend
13.00	Top of spur trend N 20° E and S 20° W 35 ft. above draw.
	Descend.
21.20	Ravine course N. 70° E 75 ft. below top of spur.
	Ascend
37.00	Top of spur trend N 25° E and S 25° W 100 ft. above ravine.
	Descend
40.00	Set a stone 18x12x8 ins. 12 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 3½ feet base 1 1/2 ft. high north of corner.
45.90	Ravine course N. 75 ft. below top of spur.
	Ascend
46.10	Trail bears N 20° E and S 20° W.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
57.00	Top of spur trend N and S 75 ft. above ravine.
77.30	Ravine N 5° E 100 ft. below top of spur.
	Ascend
78.15	Trail bears N and S.
80.00	Set a stone 16x10x10 ins.10 ins. in the ground for corner of sections 20,21,28 and 29. Marked 2 notches on south and 4 notches on east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raised a mound of earth 4 ft. base 2 ft. high west of corner.
	Mountainous land.
	Soil 2nd and 3rd rate, good growth of bunch grass and sagebrush. No timber.
	Mountainous land 80.00 chains.
	N 0° 4' W between sections 20 and 21.
	Descend
9.90	Trail bears N 10° W and S 10° E.
18.50	Ravine E. 100 ft. below section corner. From this point a spring in

Subdivision of T. 19, N.R. 54 E,, M.D.M.

Chains.	
	ravine bears west about 7 chains distant.
	Ascend
19.00	Point of spur trend E 10 ft. above ravine.
	Descend
26.00	Ravine course N. 20° E 25 ft. below point of spur.
	Ascend
40.00	Set a stone 18x12x8 ins. 12 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 corner.
50.50	Top of spur trend N 86° E and S 86° W 50 ft. above ravine.
	Descend
57.00	A draw course E. 25 ft. below top of spur.
	Ascend
66.00	Top of spur trend N 45° E and S 45° W 10 ft. above draw.
	Descend
79.95	A spring branch 5 lks. wide course E. 60 ft. below top of spur.

Subdivision of T. 19,N.R.54 E, M.D.M.

Chains.	
	Ascend.
80.00	Set a stone 20x12x10 ins. 14 ins. in the ground for cor. of sections 16, 17, 20 and 21. Marked 3 notches on south and 4 notches on east edge, dig pits 18x18x12ins. 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, covered with sagebrush and bunch grass, no timber.
	Mountainous land 80.00 chains.
	From corner of sections 16,17, 20 and 21 I run east on a random line between sections 16 and 21.
40.00	Set a temp. 1/4 sec. cor.
79.94	Intersect north and south line at a point 13 lks. south of cor. of sections 15,16, 21 and 22.
	Thence I run S 89°54' W on a true line between sections 16 and 21.
	Descend.

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Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains.	
7.70	A fence bears N and S and enter flat and enclosure of A. Depaoli.
8.25	Road bears N and S.
9.75	Simpson creek 5 lks. wide Course N. 38° W 65 ft. below sec. cor. leave flat and ascend.
12.50	A fence bears N 45° W and S 45° E.
14.90	Top of spur trend N and S 70 ft. above creek.
	Descend.
17.50	Ravine Course N. 20° W 50 ft. below top of spur.
	Ascend
26.00	Top of spur trend N 20° W and S 20° E, 60 ft. above ravine.
	Descend
30.00	Ravine Course N. 40 ft. below top of spur.
	Ascend.
39.97	Set a stone 18x12x10 ins. 12 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 and stone 3 1/2 ft. base 1 1/2 ft. high, north of corner.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
43.00	Top of spur trend N and S 65 ft. above ravine.
	Descend
56.88	Trail bears N and S.
57.06	Ravine Course N. 10° E 80 ft. below top of spur.
	Ascend
68.50	Top of spur trend N 20° E and S 20° W, 150 ft. above ravine.
	Descend
77.70	Ravine Course N. 30° E 4 ft. below top of spur.
	Ascend.
79.00	A spring branch 4 lks. wide Course N
79.94	The corner of sections 16, 17, 20 and 21.
	Mountainous land.
	Soil 2nd and 3rd rate, covered with sagebrush and bunch grass.
	No timber.
	Mountainous land 79.94 chains.
	N 0 4' W between sections 16 and 17.
	Ascend

Subdivision T 19, N.R. 54 E, M.D.M.

Chains	
10.00	Top of spur trend N 40° W and S 40° E 50 ft. above sec. corner and 125 ft. above ravine.
	Descend
16.50	A draw course S. 85° E 25 ft. below top of spur.
	Ascend
25.00	Top of spur trend E and W 15 ft. above draw.
	Descend along east slope of spur.
40.00	Set a stone 18x12x10 ins. 12 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.
60.00	Top of spur trend N 10° E and S 10° W and descend along west slope.
80.00	Set a stone 20x10x8 ins. 14 ins. in the ground for cor. of sections 8,9, 16 and 17. Marked 4 notches on south and east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant and raise a mound of earth and stone 4 ft.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	base 2 ft. high west of corner.
	Mountainous land.
	Soil 2nd and 3rd rate with dense growth of sagebrush and bunch grass.
	Mountainous land 80.00 chains.
	June 9th, 1905.
	From corner of sections 8, 9, 16 and 17 I run N 89°54' E on a random line between sections 9 and 16.
40.00	Set a temp 1/4 sec. cor.
79.88	Intersect North and South line at a point 7 lks. north of corner of sections 9,10,15 and 16.
	Thence I run S 89°57' W on a true line between sections 9 and 16.
	Descend
15.83	Ravine Course S 70° W 150 ft. below section corner.
	Ascend
16.32	Trail bears N 70° E and S 70° W.
17.00	Top of spur trend S 35° W and N 35° E 35 ft. above ravine.
	Descend
28.32	Ravine Course S. 100 ft. below top of spur

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	Ascend
29.50	Top of spur trend S 20°W 25 ft. above ravine.
	Descend
39.99	Set a stone 14x10x10 ins. 9 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 and stone 3 1/2 ft. base 1 1/2 ft. high North of cor
46.50	Eureka and Hamilton Road bears N 10°W and S 10°E.
46.81	Fence bears N and S enter flat and inclosure of A. Depaoli bears N and S.
46.90	Irrigating ditch 3 lks. wide bears N 10 W
50.60	Deep gulch 3 ft. deep course N. 45°W.
51.50	Simpson creek 6 lks. wide course N. 15° W. 75 ft. below top of spur.
53.50	Leave flat bears N 20°W and S 20°E and ascend.
56.96	A fence bears N 40°W and S 40°E and leave inclosure.
60.00	Top of spur trend N and S 80 ft. above creek.
	Descend.

Subdivision T. 19 N.R. 54 E, M.D.M.

Chains	
63.18	Ravine Course N 15° E 40 ft. below top of spur.
	Ascend
71.00	Top of spur trend N 15° E and S 15° W 50 ft. above ravine.
	Descend
79.88	The corner of sections 8, 9, 16 and 17. Mountainous land except inside of inclosure along Simpson creek. Soil 1st and 2nd rate, dense growth of sagebrush and bunch grass. No timber. Level land 6.70 chains. Mountainous land 73.18 chains.
	N 0° 4' W between sections 8 and 9.
	Descend.
10.00	Ravine Course N. 50° E 35 ft. below section corner.
	Ascend
13.00	Top of spur trend N 60° E and S 60° W 15 ft. above ravine.
	Descend.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains.	
15.00	Fence bears N 40° W and S 40° E and enter enclosure of A. Depaoli.
18.65	Simpson Creek 10 lks. wide course N. 50° W.
19.05	A fence bears N 40° E and S 40° W
19.60	A " " N 40° E and S 40° W.
22.90	Dwelling house of A. Depaoli bears east 60 lks. distant.
23.30	A small out house bears east 10 lks. distant.
23.75	Fence bears N 30° W and S 30° E.
25.60	Eureka and Hamilton Road bears N 40° W and S 40 E.
26.50	A cellar bears East 45 lks. distant.
30.90	Ravine course S 70° W and enter scattering Juniper timber E and W.
40.00	Set a stone 18x14x12, 12 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 corner, A Juniper 5 ins. in diam. bears N 52°

Subdivision of T 19, N.R. 54 E, M.D.M.

Chains	
	38' E 45 lks. distant, Marked 1/4 S 9 B T.
	A mahogony 5 ins. in diam. bears S 2°W 88 lks. distant,- marked 1/4 S. 8 B.T.
48.75	Top of spur trend S 30°W and N 30°E 150 ft. above Simpson Creek.
	Ascend
53.00	Ravine course N 45° W and S 45°E 20 ft. below top of spur.
	Ascend
61.50	Top of spur trend N 70° W and S 70° E 30 ft. above ravine.
	Descend
76.40	Ravine course N. 70° W 45 ft. below top of spur.
	Ascend
80.00	Set a stone 15x10x8 ins. 10 ins. in the ground for cor. sections 4,5,8 and 9. Marked 5 notches on South and 4 notches on east edge. Raised a mound of stone 4 ft. base 2 ft. high, west of corner. from corner,
	A Nut Pine 5 ins. in diam. bears S 27° E 54 lks. distant, marked T 19. N.R.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	54 E S 9 B T. A Nut Pine 5 ins. in diam. bears S 43°15' W 122 lks. distant. Marked T 19 NR 54 E S 8 B T. A Juniper 4 ins. in diam. bears N 47°30' W 47 lks. distant. Marked T 19 N R 54 E S 5 B T. A Nut Pine 6 ins. in diam. bears N 84°E 124 lks. distant. Marked T 19 N R 54 E S 4 B T. Land Mountainous. Soil 2nd rate with sagebrush and bunch grass, some small scattering timber of Nut Pine and Juniper. Mountainous land 80.00 chains.
	June 10th, 1905. At 1 h. 30 m. P.M. L.M.T. I set off 39° 31' N on Latitude arc. and 23°1' N on declination arc. and determine a true meridian with the solar at the corner of sections 4,5,8 and 9. Thence I run N 89° 57' E on a random line between sections 4 and 9.
40.00	Set a temp. 1/4 sec. cor.
79.95	Intersect N and S line at a point 10 lks. south of cor. of sections 3,4,9 and 10.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	Thence I run S 89° 53' W on a true line between sections 4 and 9.
	Descend.
6.35	Road bears S 70° W and N 70° E.
7.40	Ravine course S 75° W 35 ft. below section corner.
	Ascend
20.50	Top of spur trend S and N 75 ft. above ravine.
	Descend
33.50	Ravine course S 60° W 40 ft. below top of spur.
	Ascend
36.00	Top of spur trend S 10° W and N 10° E 35 ft. above ravine.
	Descend
39.97 1/2	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 17° 30' W 42 lks. distant. Marked 1/4 S 4 B T. A Juniper 6 ins. in diam. bears S 14° W 54 lks. distant. Marked 1/4 S 9 B T.
50.25	Road bears N 45° W and S 45° E.
53.50	Ravine course N 60° W 40 ft. below top of spur.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	Ascend
63.50	Top of spur trend N 80° W and S 80° E 75 ft. above ravine. From this point dwelling house of Frank Pastorino bears North about 15.00 chains distant.
	Descend
79.95	The corner of sections 4,5,8 and 9. Mountainous land. Soil 2nd and 3rd rate. Timber Juniper small and scattering, good growth of bunch grass. Mountainous land 79.95 chains.
	N 0° 4' W on a true line between sections 4 and 5.
	Ascend
5.00	Top of spur trend S 80° W and N 80° E 20 ft. above section corner and 75 ft. above ravine.
	Descend
21.40	Road in ravine course N 80° W 125 ft. below top of spur.
	Ascend
23.00	Dwelling house of Frank Pastorino bears S 65°E.

Subdivision of T. 19 N.R. 54 E. M.D.M.

Chains	
23.50	Top of spur trend S 45° W and N 45° E 35 ft. above ravine.
	Descend
29.00	Ravine course S 40° W 20 ft. below top of spur.
	Ascend
35.00	Ridge bears S 40° W and N 40° E.
	Descend
40.00	Set a stone 18x14x10 ins. 12 ins. in the ground for 1/4 sec, cor. Marked 1/4 on west face from which a Juniper 5 ins. in diam. bears S 0° 52' E 28 lks. distant. Marked 1/4 S 4 B.T. A Juniper 6 ins. in diam. bears N 50° 30' W 37 lks. distant. Marked 1/4 S 5 B T.
52.75	Intersect North boundary of Township at a point 500 lks. S 89° 17' W of cor. of sections 32 and 33 At point of intersection I set a stone 18x14x12 ins. 12 ins. in the ground for closing corner of sections 4 and 5. Marked C.C. on south 4 grooves on east and 2 grooves on west face from which A Juniper 5 ins. in diam. bears S 44°

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Subdivision of T 19 N.R. 54 E, M.D.M.

Chains	
	E 89 lks. distant. Marked T 19 N R 54 E S 4 C C B T.
	A Juniper 6 ins. in diam. bears S 8° 30' W 126 lks. distant. Marked T 19 N R 54 E S 5 C C B T.
	Mountainous land.
	Soil 2nd and 3rd rate, small scattering Juniper timber, undergrowth sagebrush and bunch grass.
	Mountainous land 52.75 chains.
	June 10th, 1905.
	From corner of sections 16,17,20 and 21 I run west on a true line between sections 17 and 20.
	Ascend
6.50	Point of spur trend N 45° E and S 45° W 30 ft. above corner.
13.55	Trail bears N 60° E and S 60° W.
14.15	Ravine course N 63° E 45 ft. below top of spur.
	Ascend
33.00	Top of spur trend N 40° E and S 40° W, 150 ft. above ravine.
	Descend

Subdivision of T. 19 N.R. 54 E,M.D.M.

Chains	
40.00	Set a stone 16x10x8 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 and stone 3 1/2 ft. base 1 1/2 ft. high north of corner.
42.95	Trail bears N 35° E and S 35° W.
45.85	Spring branch 4 lks. wide course N 30° E 70 ft. below top of spur; from this point a spring bears S 30° W. 300 lks. distant.
46.39	Trail bears N 40° E and S 40° W.
59.50	Top of spur trend N 35° E and S 35° W 100 ft. above ravine.
	Descend
69.40	Ravine course N 45° E 75 ft. below top of spur.
	Ascend
80.00	Set a stone 20x12x10 ins. 14 ins. in the ground for corner of sections 17,18,19 and 20. Marked 3 notches on south and 5 notches on east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant, and raise a mound of

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	earth and stone 4 ft. base 2 ft. high west of corner. Mountainous land. Soil 2nd and 3rd rate, covered with sagebrush and bunch grass. No timber. Mountainous land 80.00 chains.
	June 12th, 1905. At 10 h. 0 m. A.M. L.M.T. I set off 39° 30' N on the Latitude arc. and 23° 9' N on the Declination arc, and determine a true meridian with the solar at the cor. of sections 17, 18, 19 and 20. Thence I run N 0° 5' W between sections 17 and 18. Ascend gradually.
3.00	Top of spur trend N 45° E and S 45° W 20 ft. above corner. Descend
40.00	Set a stone 18x14x10 ins. 12 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.

Subdivision of T 19 N.R. 54 E M.D.M.

Chains	
56.50	Ravine course N 40° E. 250 ft. below top of spur.
	Ascend
69.00	Top of spur trend N 45° W and S 45° E 60 ft. above ravine.
	Descend
80.00	Set a stone 18x18x12 ins. 12 ins. in the ground for cor. of sections 7,8, 17 and 18. Marked 4 notches on the south and 5 notches on east edge, dig pits 18x18x12 ins. in each section and raise a mound of earth and stone 4 ft. base 2 ft. high west of corner. 5½ Dia Mountainous land. Soil 2nd and 3rd rate, covered with sagebrush and bunch grass. Mountainous land 80.00 chains.
	From corner of sections 7,8,17 and 18, I run east on a random line between sections 8 and 17.
40.00	Set a temp. 1/4 sec. cor.
80.07	Intersect north and south line at a point 15 lks. north of corner of sections 8, 9, 16 and 17.
	Thence I run N 89° 54' W on a true line

Subdivision of T. 19, N.R. 54 E., M.D.M.

Chains		
	between sections 8 and 17.	
		Descend
1.40	Ravine course N	10 ft. below section corner.
		Ascend
5.30	Trail bears N 25°E and S 25°W.	
5.40	Top of spur trend N 25°E and S 25°W 40 ft. above ravine.	
		Descend
8.67	Ravine course N 30° E	30 ft. below top of spur.
		Ascend
17.00	Top of spur trend N 30°E and S 30°W 40 ft. above ravine.	
		Descend
22.20	Ravine course N 35° E	35 ft. below top of spur.
		Ascend
28.50	Top of spur trend N 45°E and S 45°W 60 ft. above ravine.	
		Descend
36.65	Ravine course N. 45° E	50 ft. below top of spur.
		Ascend
40.0 3 1/2	Set a stone 15x10x9 ins. 10 ins. in the ground for 1/4 sec. cor. Marked	

Subdivision of T. 19, N.R. 54 E., M.D.M.

Chains	
	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.
45.50	Top of spur trend N 20° E and S 20° W 60 ft. above ravine.
	Descend
61.00	Ravine N 35° E 75 ft. below top of spur.
	Ascend
80.07	The corner of sections 7,8,17 and 18. Mountainous land. Soil 2nd and 3rd rate. Medium growth of sagebrush, good bunch grass. No timber. Mountainous land 80.07 chains.
	From corner of sections 7,8,17 and 18 I run west on a random line between sections 7 and 18.
40.00	Set a temp. 1/4 sec. cor.
72.50	Intersect west boundary of Township 5 lks. north of corner of sections 7,12,13 and 18. Thence I run N 89° 57' E on a true line between sections 7 and 18.

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Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	Ascend gradually.
5.00	Descend, 20 ft. above cor.
12.50	Ravine course N 35° W 35 ft. below point of descent.
	Ascend
32.50	Set a stone 18x10x10 ins. in a mound of stone 2 ft. base 1 ft. high for 1/4 sec. cor. Marked 1/4 on north face, raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high, north of corner, pits impracticable owing to rocky character of soil.
38.75	Top of spur trend N 20° E and S 20° W 300 ft. above ravine.
	Descend
51.80	Ravine course N 200 ft. below top of spur.
	Ascend
53.75	Top of spur trend N 45° W and S 45° E 40 ft. above ravine.
	Descend
58.75	Ravine course N 50° W 35 ft. below top of spur.
	Ascend
68.25	Top of spur trend N 50° W and S 50° E 40 ft. above ravine.
	Descend.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
72.50	The corner of sections 7,8,17 and 18. Mountainous land. Soil 2nd and 3rd rate with sagebrush and bunch grass. No timber. Mountainous land 72.50 chains. June 12th, 1905.
	N 0° 5' W between sections 7 and 8.
	Descend
11.50	Ravine course N. 40° E 75 ft. below top of spur.
	Ascend
22.00	Top of spur trend N 45° E and S 45° W 50 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 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 corner.
43.00	Ravine course N 15° E 50 ft. below top of spur.
	Ascend
46.00	Top of spur trend E and W 15 ft. above

Subdivision of T. 19 N.R. 54 E M.D.M.

Chains	
	ravine.
	Descend
55.20	Same ravine course N 30° W 25 ft. below point of spur.
	Ascend
58.00	Point of spur trend W and E 15 ft. above ravine.
	Descend
59.00	Same ravine course N. 25° E and continue descent.
80.00	Set a stone 16x14x10 ins. 10 ins. in the ground for corner of sections 5,6,7 and 8. Marked 5 notches on south and east edge, dig pits 18x18x12 ins. in each section 5 1/2 ft. distant, raise a mound of earth and stone 4 ft. base 2 ft. high west of corner. Land high rolling hills. Soil 2nd and 3rd rate, covered with sagebrush and bunch grass. High hill land 80.00 chains.
	June 13th, 1905. At 10 h. 30 m. A.M. L.M.T. I set off

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
	39° 31' N on the Latitude arc. and 23° 13' N on Declination arc and determine a true meridian with the solar at the corner of sections 5,6,7, and 8.
	Thence I run S 89° 54' E on a random line between sections 5 and 8.
40.00	Set a temp 1/4 sec. cor.
80.12	Intersect north and south line at point 15 lks. south of cor. of sections 4 5, 8 and 9.
	Thence I run west on a true line between sections 5 and 8.
	Descend
7.00	Ravine course N 70° W 25 ft. below sec. cor.
8.00	" course S 60° W. Continue descent.
9.75	Ravine course N 60° W.
11.50	Same ravine course S 60° W.
12.00	Same ravine course N 55° W at this point a ravine comes in from S 30° E 150 ft. below sec. corner.
	Ascend
20.50	Top of spur trend N 55° W and S 55° E 50 ft. above ravine.
	Descend

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
34.40	Ravine course S 55° W 60 ft. below top of spur.
	Ascend
34.50	Road bears S 70° W and N 70° E.
40.06	Set a stone 18x14x12 ins. 12 ins. in the ground for 1/4 sec. cor. Marked 1/4 on north face
	From which
	A Juniper 4 ins. in diam. bears S 58° 30' E 14 lks. distant. Marked 1/4 S 8 B T. A Juniper 8 ins. in diam. bears N 60° 30' E 86 lks. distant. Marked 1/4 S 5 B T.
46.00	Top of spur trend N and S 45 ft. above ravine.
	Descend
53.40	Eureka and Hamilton Road bears N 40° W and S 40° E.
53.55	Fence and enter enclosure of A. Depaoli.
53.60	Irrigating ditch 3 lks. wide course N 45 W
58.87	Fence bears S 60° W and N 60° E, and leave enclosure.
59.40	Ditch 3 lks. wide course S 60° W.
60.00	Eureka and Hamilton road bears N 60° E and S 60° W.
60.38	Fence bears N 60° E and S 60° W and

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
	enter inclosure of A. Depaoli.
65.50	Simpson Creek 20 lks. wide Course N. 30° W. 100 ft. below top of spur.
	Ascend
66.38	Irrigating ditch 4 lks. wide Course N 30° W.
66.90	Fence bears N 30° W and S 30° E. and leave enclosure.
69.45	Eureka and Hamilton Road bears N 70° W and S 70° E.
80.12	The corner of sections 5,6,7 and 8.
	Land high rolling foot hills.
	Soil 1st and 2nd rate.
	High hill land 80.12 chains.
	From corner of sections 5,6,7 and 8, I run S. 89° 57' W on a random line between sections 6 and 7.
40.00	Set a temp 1/4 sec. cor.
72.45	Intersect west boundary of Township at a point 21 lks. south of cor. of sections 1,6,7 and 12.
	Thence I run S 89° 54' E on a true line between sections 6 and 7.
	Ascend
19.95	Eureka and Hamilton road bears S 65° W and N 65° E.

Subdivision of T. 19 N.R. 54 E, M.D.M.

Chains	
22.25	Top of low spur trend NandS 50 ft. above corner.
	Descend
26.00	Ravine course N 35° W 40 ft. below top of spur.
	Ascend
32.45	Set a stone 16x12x10 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 and stone 3 1/2 ft. base 1 1/2 ft. high north of corner.
42.25	Top of spur trend NandS 100 ft. above ravine.
	Descend
49.75	Ravine course N 30 ft. below top of spur.
	Ascend
54.25	Top of spur trend N 25° E and S 25° W 25 ft. above ravine.
	Descend
61.05	Ravine course N 40° E 35 ft. below top of spur.
	Ascend
61.25	Old road bears N 45° E and S 45° W.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
63.75	Top of spur trend N 30° E and S 30° W 15 ft. above ravine.
	Descend
72.45	The corner of sections 5,6, 7 and 8. Land rolling foot hills. Soil 2 nd rate with dense growth of sagebrush. Hill land 72.45 chains.
	N 0° 5' W on a true line between sections 5 and 6.
	Descend
2.83	Eureka and Hamilton road bears N 80° W and S 80° E.
16.87	Fence bears N 60° W and S 60° E and enter enclosure of Mr. Hammond.
17.33	Irrigating ditch 4 lks. wide Course N 50
28.67	Simpson creek 15 lks. wide Course N 60° W 75 ft. below section corner.
	Ascend
32.00	Fence bears N 70° W and S 70° E and leave enclosure of Hammond.
32.30	Road bears N 50° W and S 50° E.
34.50	School house bears west 100 lks. distant and a small reservoir bears east 30 lks. distant.

Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains	
40.00	Set a stone 14x10x10 ins. 9 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 Juniper 5 ins. in diam. bears N 27° 30' W 26 lks. distant. Marked 1/4 S 6 B T. A Juniper 6 ins. in diam. bears S 37° 30' E 55 lks. distant. Marked 1/4 S 5 B T. from 1/4 sec. cor. Hammond's house bears S 85° W about 12 chains distant.
43.50	Top of spur trend W and E 200 ft. above creek.
	Descend
48.00	Ravine course N 80° W 30 ft. below top of spur.
	Ascend
51.10	Intersect north boundary of Township at a point 493 lks. S 89° 14' west of corner of sections 31 and 32. At point of intersection I set a stone 16x12x10 ins. 10 ins. in the ground for closing corner of sections 5 and 6. Marked C.C. on south with 5 grooves on east

Subdivision of T. 19, N.R. 54 E., M.D.M.

Chains.

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

Land is rolling foot hills.

Soil 1st rate along Simpson creek within the enclosure remainder is 2nd rate. No timber.

Hill land 51.10 chains.

June 13th, 1905.

General Description.

This township is situatedat an altitude varying from 6500 ft. to 8000 ft. and contains a variety of land from small valleys to mountains. The soil ranges in quality from 1st to 3rd rate, a large per cent of which is 2nd rate- The land along Pinto Creek in the south eastern part, and Simpson Creek, flowing through sections 6,8,16,22 and 27 and some portions of sections 3,4, 14 and 15 is a light, sandy loam, but will not produce an average crop

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Subdivision of T. 19, N.R. 54 E, M.D.M.

Chains

without irrigation. The entire township is covered with a growth of sagebrush and the portion that I have subdivided has an abundant growth of rich nutritious grasses; and is valuable for grazing purposes. There is some small, scattering Juniper timber in the northern and eastern portion of township, but is valuable for domestic purposes only. Sections 18,19,20,28,29,30,31, 32 and 33 being high, rough, broken mountains unfit for agricultural, timber, or grazing purposes. I have not surveyed that portion of township. There are two settlers each in sections 6 and 36, one each in sections 3,4,9 and 26 and D. Depaoli's desert land, claim in sec. 16, a portion of which is under cultivation and is irrigated with the waters of Simpson creek.

The township as a whole is not well supplied with water and does not contain a sufficient supply to irrigate all the agricultural lands within said township.

John W. Fitzpatrick
U.S. Deputy Surveyor.

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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 19 North, Range 54 East of the Mount Diablo base and meridian, in the district of Nevada, showing the respective capacities in which they acted.

Carroll Fitzpatrick, Chainman.

Earl Fitzpatrick, Chainman.

, Chainman.

, Chainman.

Frank C. Cook, Moundman

Frank Pastorino, Moundman

Thomas Gleason, Flagman.

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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 Subdivision lines of Township 19 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.

Carroll Fitzpatrick, Chainman.
Earl Fitzpatrick, Chainman.
, Chainman.
, Chainman.
F. Pasforino, ~~Axman.~~ Moundman
Thos Gleason, ~~Axman.~~ Flagman
Frank C Cook, ~~Flagman.~~ Moundman

Subscribed and sworn to before me this 15th day of July, 1905

J. H. Hoeft
County Clerk

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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 Surveyor-General for Nevada, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

Subdivion lines,

of Township, 19 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 provisions 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. Morey
DEPUTY COUNTY CLERK AND EX-OFFICIO
DEPUTY CLERK OF THE SUPERVISORS COURT

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