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Washington, D. C.

R.10W.					
6	225	204	183	172	141
22	22	20	18	16	14
7	218	199	1810	1611	1412
21	21	19	18	16	13
18	2117	1316	1815	1614	1313
20	20	19		16	12
19	2020	1921	1322	1523	1324
5	4	17	17	15	12
30	729	228	1727	1526	1225
7	6	3	15	14	12
31	832	633	334	1435	1236
10	10	11	3		
R.10W.					

T.5N.

T.5N.

Survey commenced February 6, 1915, and executed with a Young and Sons light mountain transit, No. 8534, with Smith's solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

All measurements were made with an eight chain tape, graduated to links, the angle of the slope measured with a clinometer and the distance reduced to the horizontal.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during p.m. and a.m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

At my camp near the $\frac{1}{2}$ sec. cor. bet. secs. 28 and 29, T. 5 N., R. 10 W. latitude $34^{\circ} 30' N.$, longitude $117^{\circ} 56' W.$, I set off $34^{\circ} 30'$ on the lat. arc; $15^{\circ} 40' S.$ on the decl. arc, and at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof by a tack in a wooden stake, set firmly in the ground, 5 chs. N. of my station.

At 10 h 20 m p.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven firmly in the ground, 5 chs. N. of my station.

February 6, 1915

February 7: At 7h 15m a.m., I lay off the azimuth of Polaris, $1^{\circ} 23'$ to the east, and mark the meridian thus determined by a tack in the wooden stake set last evening, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h a.m., l.m.t., I set off $34^{\circ} 30'$ on the lat. arc; $15^{\circ} 28' S.$ on the decl. arc; and mark a point in the meridian with the solar, by a tack in the wooden stake already set 5 chs. N. of my station; this mark falls 0.6 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, define positions for meridians, respectively about $0^{\circ} 10' West$ and $0^{\circ} 32' east$ of the meridians established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 40m a.m., is N. $15^{\circ} 32' W.$; the angle thus determined gives the mag. decl. $15^{\circ} 32' E.$

Resurvey of the Subdivision of T. 5 N., R. 10 W.

February 7, 1915: At 9h a.m., l.m.t. I set off $34^{\circ} 30'$ on the lat. arc; $15^{\circ} 28' S.$ on the decl. arc; and determine a meridian with the solar at the witness cor. of secs. 20, 21, 28 and 29, 50 lks. S. of the true point for cor., which is a juniper post, 3 ins. square, 20 ins. above ground, firmly set and marked as described by the Surveyor General. This is not the original post, the cor. having been reestablished by the Forest Service. I remove the post and in the same place,

chains. set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for witness cor. of secs. 20, 21, 28 and 29, with brass cap marked

T. 5 N., R. 10 W.

S. 20 S. 21

S. 29 S. 28

W. C.

I do not dig pits at this cor. as the cor. is alongside of public road.

From the true point for cor. I run

South on a random line bet. secs. 28 and 29

40.00 No evidence of $\frac{1}{4}$ sec. cor. Set temp. cor.

80.10 Fall 11 lks. E. of the true point for cor. of secs. 28, 29, 32, 33, which I determine from a yucca palm recently fallen down, plainly notched on two sides. It is probable that this yucca palm was meant instead of the Spanish Bayonet, as called for in the original field notes, as being 27 lks. N. of cor. Therefore at 27 lks. S. of the stump of this tree I set an iron post, 3 ft. long 2 ins. dia., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap marked

T. 5 N. R. 10 W.

S. 29 S. 28

S. 32 S. 33

dig pits, 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

thence

N. $0^{\circ}5'$ E. on a true line bet. secs. 28 and 29

Over level land, through scattering greasewood.

9.20 Enter cleared land, bears E. and W.

14.00 Gabriel's house, bears E. about 2.20 chs. dist.

19.80 Gabriel's wire fence bears E. and W., leave cleared land.

30.00 Road, bears E. and W.

40.05 Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S. 29 $\frac{1}{4}$ S. 28

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

40.50 Leave level land, enter rolling hills

42.10 Dry wash, 20 lks. wide, course N. 70° W.

46.35 Top of spur, bears E. and W. descend

60.00 Foot of descent; enter level land.

78.00 Dry wash, 15 lks. wide, 4 ft. deep course N.W.

80.10 The cor. of secs. 20, 21, 28 and 29

Land, level and rolling; drains NW.

Soil, sandy; 2nd. and 3rd rate

Some scrub juniper on hills. Yucca palms on entire line

Undergrowth, scattering greasewood

From the cor. of secs. 28, 29, 32 and 33, I run
East on a random line bet. secs. 28 and 33

40.00
80.34

No evidence of $\frac{1}{4}$ sec. cor. Set temp. cor.
Fall 40 lks. N. of the cor. of secs. 27, 28, 33 and 34, which cor. is
an iron post, 4 ins. square, 22 ins. above ground, filled with cement
and marked

T. 5 N. S. 27 on N.E.
R. 10 W. S. 34 on S.E.
S. 33 on S. W. and
S. 28 on N. W. face

This cor. has been reestablished by the Forest Service and the
above described post is the kind used by them for sec. cors. The
markings on the post are cast at the time the posts are made.

Thence

N. $89^{\circ}43'$ W. on a true line bet. secs. 28 and 33
Over low, rolling hills, through small juniper.

9.85
14.55
15.85
31.50
40.17

Leave hills, enter rolling mesa

Road, bears N. 30° W. and S. 30° E.

Dry wash, 50 lks. wide, course N. W.

Road, bears N. and S. This road in dry wash, 60 lks. wide, course N.

Set an iron post, 3 ft. long, 1 in. dia. 24 ins. in the ground for $\frac{1}{4}$
sec. cor., with brass cap marked

S. 28 $\frac{1}{4}$

S. 33

dig pits 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist. and raise
a mound of stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

49.50
80.34

Wire fence, bears N. and S.

The cor. of secs. 28, 29, 32 and 33

Land slightly rolling; W. 70 chs. E. 10 chs. hilly

Soil, sandy, 2nd and 3rd rate

Some juniper on E. 10 chs. W. 70 chs. scattering yucca palm

Scattering greasewood.

From the cor. of secs. 27, 28, 33 and 34, I run

South on a random line bet. secs. 33 and 34.

40.00

No evidence of $\frac{1}{4}$ sec. cor. Set temp. cor.

80.16

Fall 35 lks. E. of the cor. of secs. 33 and 34, which is a granite
stone 12 x 12 x 8 ins. above ground firmly set and marked with 3
notches on the E. and W. edges

I destroy the old cor. and in the same place set an iron post,
3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 33
and 34, with brass cap marked

T. 5 N. R. 10 W.

S. 33 S. 34

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Thence

Chains.

Resurvey of the Subdivision of T. 5 N., R. 10 W.

N. 0° 15' E. on a true line bet. secs. 33 and 34
Over rolling land, through scrub juniper

3.60 Dry wash, 10 lks. wide, course E.
29.00 Leave juniper, bears N. 75° W. and S. 75° E.

40.08 Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in ground, for $\frac{1}{4}$
sec. cor., with brass cap marked

S. 33 $\frac{1}{4}$ S 34

dig pits 18 x 18 x 12 ins. N. and S. of line, 3 ft. dist., and
raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

70.00 Enter juniper, bears N. W. and S. E.
74.65 Road, bears E. and W.
80.16 The cor. of secs. 27, 28, 33 and 34.
Land rolling, drains E.
Soil, sandy; 2nd and 3rd rate
Timber, juniper
Undergrowth, greasewood

Feb. 7: At this cor. I set off 15° 26' S. on the decl. arc; and at
12 h 14m l.m.t., observe the sun on the meridian; the resulting lat.
is 34°30'

February 7, 1915.

Feb. 8, 1915: At 7h 30m a. m., l.m.t., I set off 34°30' on the lat.
arc; 15°5' S. on the decl. arc; and determine a meridian with the
solar at the point for cor. of secs. 20, 21, 28 and 29, previously
described, which is 50 lks. N. of the W. C.

Thence

40.00 West on a random line bet. secs. 20 and 29.
No evidence of witness $\frac{1}{4}$ sec. cor. at 25 lks. S.
Set temp. cor.

80.00 Fall 58 lks. S. of the cor. of secs. 19, 20, 29 and 30, which cor. is
a sand stone, 11 x 7 x 4 ins. above mound of stone, marked S. G. F. R.
on S. and 5 grooves on E. face

A Spanish Bayonet, 10 ins. dia. bears N. 76° E., 67 lks. dist.

A portion of the markings are visible on this tree

I remove the stone cor. and in the same place, set an iron post,
3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs.
19, 20, 29 and 30, with brass cap marked

T. 5 N. R. 10 W.

S. 19 S. 20

S. 30 S. 29

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Thence

S. 89° 35' E. on a true line bet. secs. 20 and 29.
Over sandy mesa; through medium growth of greasewood

13.00 Dry wash, 15 lks. wide, course N.

20.00 Along wire fence on S. side County Road, E. And W.

Chains

Resurvey of the Subdivisions of T. 5 N., R. 10 W.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 36 ins. in the ground, in middle of County Road, with brass cap marked

S. 20 $\frac{1}{2}$

S. 29

I do not dig pits at this cor. on account of the cor. falling in road.

56.50 Water cistern, 1 $\frac{1}{2}$ x 1 ch. on line. Leave road

61.30 Dry wash, 50 lks. wide, course N.

79.10 Dry wash, 10 lks. wide, course N.

80.00 The point for cor. of secs. 20, 21, 28 and 29.

Land level, drains N.

Soil, sandy, 2nd rate. Some improved land on each side of line

Timber, yucca palms, W. 20 chs.

Undergrowth, greasewood

From the cor. of secs. 19, 20, 29 and 30.

West on a random line bet. secs. 19 and 30

40.00 No evidence of old $\frac{1}{4}$ sec. cor. Set temp. cor.

77.53 Intersect W. bdy. of Tp. 36 lks. N. of the cor. of secs. 19, 24, 25 and 30, which cor. is an iron post, 4 ins. square, 24 ins. above ground, filled with cement, marked

T. 5 N. S. 19 on N. E.

S. G. F. R. 47 R. 10 W. S. 30 on S. E.

R. 11 W. S. 25 on S. W. and

S. 24 on N. W. face; and witnessed as described
by the Surveyor General

Thence

N. 89° 44' E. on a true line bet. secs. 19 and 30

Descend over rolling hills; through scattering juniper

13.15 Dry wash, 20 lks. wide, course N.

30.15 Leave juniper, bears N. W. and S. E.

37.53 Set an iron post 3 ft. long, 1 in. dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap marked

S. 19 $\frac{1}{2}$

S. 30

dig pits, 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft., 1 $\frac{1}{2}$ ft. high N. of cor.

45.50 Leave rolling hills; enter sandy mesa

51.10 Road, bears N. and S.

59.00 Dry wash, 40 lks. wide, course N.

72.30 Dry wash, 20 lks. wide, course N. E.

77.00 Road, bears N. and S.

77.53 The cor. of secs. 19, 20, 29 and 30

Land, level and rolling; drains N.
 Soil, sandy; 2nd and 3rd rate
 Timber, W. 30 chs. juniper and yucca palms, E. 47 chs. yucca palms
 Undergrowth, greasewood. February 8, 1915

Subdivision of T. 5 N., R. 10 W.

Feb. 10, 1915: At 8h 10m. a. m., l.m.t., I set off $34^{\circ}29'$ on the lat. arc; $14^{\circ}31'$ S. on the decl. arc; and determine a meridian at the cor. of secs. 28, 29, 32 and 33.

Thence

South on a random line bet. secs. 32 and 33

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.59

Intersect S. bdy. of Tp. 14 lks. W. of the cor. of secs. 32 and 33, which cor. is an iron post, 3 ins. diam, 12 ins. above the ground & marked and witnessed as described as by the Surveyor General. Griffin's house bears N. 45° W. 5 chs. dist.

Thence

N. $0^{\circ}6'$ W. on a true line bet. secs. 32 and 33

Along dry wash

4.70

Road to Griffin's in wash. Road bears N. E. W.

14.00

Leave wash, bears S. and N. E. Enter rolling hills

27.50

Dry wash, 30 lks. wide, course E.

34.25

Descend over broken hills

40.59

Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S. $32\frac{1}{4}$ S. 33

dig pits $18 \times 18 \times 12$ ins. N. and S. of post, 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

68.35

Foot of descent; enter mesa

79.90

Cross wire fence bears E. and W.

80.59

The cor. of secs. 28, 29, 32 and 33.

Land, hilly and level. Soil, sandy, 2nd and 3rd rate.

Timber, juniper and yucca palms. Scattering greasewood.

West on a blank line bet. secs. 29 and 32

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.92

Intersect N. and S. line, 80.78 chs. S. $0^{\circ}4'$ W. of cor. of secs. 19, 20, 29, and 30, previously described. At the point of intersection, set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked

T. 5 N. R. 10 W.

S. 30 S. 29

S. 31 S. 32

and raise a mound, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Thence

East on a true line bet. secs. 29 and 32

39.96

Over rolling hills; through juniper

Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S. $29\frac{1}{4}$

S. 32

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

56.70

Leave rolling hills; enter sandy mesa

62.50

Dry wash, 50 lks. wide, course N.

74.90

Dry wash, 30 lks. wide, course N.

79.50

Wire fence, bears N. and S.

79.92 The cor. of secs. 28, 29, 32 and 33.
Land, level, and hilly. Drains N.
Soil, sandy; 2nd and 3rd rate
Timber, juniper and yucca palms. Some greasewood.

From the cor. of secs. 29, 30, 31 and 32, I run
N. 0° 4' E. on a true line bet. secs. 29 and 30
Descend over rolling hills; through juniper.
11.00 Top of descent
12.70 Dry wash 15 lks. wide, ascend, course W.
31.75 Foot of hills, enter flat.
40.78 Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for
¼ sec. cor., with brass cap marked

S. 30½ S. 29

and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.

41.10 Dry wash, 50 lks. wide, course N. 10° E.
47.00 Cross same wash, course N. 20° W.
63.00 Recross same wash, course N. E.
80.78 The cor. of secs. 19, 20, 29 and 30.

Land, S. 30 chs. hilly
Soil, sandy; 3rd rate, N. 50 chs. level
Soil, sandy, 2nd rate. Timber, juniper and yucca palms.
Undergrowth, scattering greasewood.

40.00 From the cor. of secs. 29, 30, 31 and 32, I run
77.51 West on a random line bet. secs. 30 and 31
Set temp. ¼ sec. cor.
Intersect W. bdy. of Tp., 16 lks. S. of the cor. of secs. 25, 30, 31
and 36, described in notes of the survey of the west boundary.
Thence
S. 89° 53' E. on a true line bet. secs. 30 and 31.
Across dry wash.
0.25 Leave wash, course N. 60° E. Enter rolling hills.
11.00 Enter small valley
23.40 Leave valley; enter hills
37.51 Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground for ¼
sec. cor. with brass cap marked

S. 30½

S. 31

61.50 dig pits 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist. and raise
77.51 a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
Dry wash, 10 lks. wide, course S.
The cor. of secs. 29, 30, 31 and 32.

Land, hilly; drains N. and N. E.
Soil, sandy, 3rd rate
Timber, juniper and yucca palms.
Cloudy, unable to take latitude.

Chains

Subdivision of T. 5 N., R. 10 W.

40.00 S. 0° 6' E. on a random line bet. secs. 31 and 32
 80.41 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect S. bdy. of Tp. 10 lks. W. of the cor. of secs. 31 and 32,
 which cor. is an iron post, 2 ins. dia. 12 ins. above ground, and
 marked and witnessed as described by the Surveyor General.
 Thence
 N. 0° 10' W. on a true line bet. secs. 31 and 32.
 Over broken hills; through juniper and live oak timber
 30.45 Dry wash, 20 lks. wide, course W.; ascend
 40.205 Set an iron post 3 ft. long, 1 in. dia., 24 ins. in the ground for $\frac{1}{4}$
 sec. cor. with brass cap marked
 S. 31 $\frac{1}{4}$ S. 32
 dig pits, 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist. and raise
 a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
 42.00 Descend
 65.60 Dry wash, 10 lks. wide, course N. W.
 80.41 The cor. of secs. 29, 30, 31 and 32.
 Land, hilly, drains W. and N. W. Soil, sandy; 3rd rate.
 Timber, juniper and live oak. February 10, 1915

General Description

The portion of Township 5 North, Range 10 West, surveyed, lies in
 rolling foot hills, with the exception of the N. $\frac{1}{2}$ of sec. 29, the
 land is covered with juniper, yucca palm and scrub live oak timber,
 with some scattering greasewood. The soil is sandy. Practically
 all of the water in the Township is carried in ditches from Big
 Rock Creek.

The source of this creek is in the high mountains to the south.
 There are several settlers in the Township, the land being used
 chiefly for farming and fruit raising.

Guy Redwine, U. S. Surveyor.

For Certificate of Assistants and Final Oath of U. S. Surveyor, see
 book on survey and resurvey of a portion of the Subdivisions of
 T. 4 N., R. 3 E.

November 27: At 8h 30m. a.m., l.m.t., I set off $34^{\circ}28'$ on the lat. arc; $21^{\circ}07'S$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, which is a pine post 3 ins. square 12 ins. above ground firmly set, marked and witnessed, as described by the Surveyor General.

Thence I retrace

West on a random line bet. secs. 3 and 34.

40.00 After diligent search fail to find any evidence of old $\frac{1}{4}$ sec. cor.
80.23 Fall 47 lks. S. of cor. of secs. 3, 4, 33 and 34, which is a granite stone 12 x 12 x 8 ins. above ground firmly set, marked with 3 notches on E. and W. edges.
Traces of old charred stake found.
No bearings available.
S. $89^{\circ}40'$ E. on a true line bet. secs. 3 and 34.
Over level desert through scattering sage brush, juniper and manzanita brush.
10.20 Middle of dry wash, 2.50 lks. wide, course N. Ascend.
19.60 Top of spur bears N. and S. Descend.
25.70 Dry wash 20 lks. wide, course N. Ascend
40.00 Dry wash 20 lks. wide, course N.
40.11 $\frac{1}{2}$ Set an iron post 3 ft. long, 1 in. in dia. 24 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap marked

S. 34
 $\frac{1}{4}$

S. 3

Dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

November 27: At this $\frac{1}{4}$ sec. cor. I set off $21^{\circ}10'S$ on the decl. arc; and at 11h 48m. l.m.t. observe the sun on the meridian; the resulting lat. is $34^{\circ}28'$.

41.40 Road from Pallett's Ranch to Little Rock bears NW. and SE.
64.90 Road from West's Ranch to Little Rock bears N. 40° W. and S. 40° E.
Ascend
73.00 Top of spur bears N. and S. Descend
80.23 The cor. of secs. 2, 3, 34 and 35.

Land level and rolling, drains N.W.

Soil, sandy and rocky; 4th rate.

Scattering sage brush, juniper, manzanita and yucca palms.

S.bdy. T. 5 N., R. 10 W., S. B. M.

From the cor. of secs. 3, 4, 33 and 34, I run West on a blank line along the S. bdy. of T.5 N.,R.10 W. setting temp. $\frac{1}{4}$ sec. & sec. cors. at intervals of 40 chs. and at 246.10 chs. intersect the temp. cor. of Tps. 4 and 5 N., Rs. 10 and 11 W., set on December 9.

Set a granite stone 20 x 12 x 8 ins., 15 ins. in the ground for cor. of Tps. 4 and 5 N., Rs. 10 and 11 W., marked with 6 notches on each edge. and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.

November 27-30 & December 10, 1912

Knowing that a closing corner of secs. 5 and 6, 4 and 5, and 3 and 4 of T. 4 N., will be necessary, I establish cors. for secs. 31, 32, and 33 only, of T. 5 N., R. 10 W.

From cor. of Tps. 4 and 5 N., Rs. 10 and 11 W., I run

East on a true line along the S. bdy. of sec. 31

Descend over rocky S. E. slope, through scattering juniper and pine brush

5.00 Ravine 75 lks. wide, course N. E. Ascend
7.00 Top of spur bears N. E. and S. W. Descend
19.00 Middle of dry wash, 300 lks. wide, course N. Ascend.
25.60 Top of spur bears N. and S. Descend
24.20 Dry wash 50 lks. wide, course N. Ascend.
46.10 Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground for
1/4 sec. cor. for sec. 31 only, of T. 5 N., with brass cap marked

S. 31

1/4

and raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

76.80 Dry wash 40 lks. wide, course N. Ascend
80.90 Top of low spur bears N. 10° E. Descend
83.80 Dry wash 50 lks. wide, course N. Ascend
85.80 Top of spur bears N. E. and S. W. Descend
86.10 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground
for cor. of secs. 31 and 32 only, of T. 5 N. with brass cap marked

T. 5 N., R. 10 W.

S. 31 S. 32

and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Land mountainous and broken; drains N. E. and N.

Soil rocky and sandy; 4th rate.

Scattering pine, juniper and yucca palms.

East on a true line along the S. bdy. of sec. 32

Descend over broken E. slope through scattering pine, juniper and yucca palms.

2.00 Dry wash 30 lks. wide, course N. W. Ascend
17.50 Top of spur bears N. and S. Descend
20.00 Dry wash, 30 lks. wide, course N. E. Ascend
25.60 Top of spur bears N. E. and S. W. Descend
28.90 Dry wash 10 lks. wide, course N. E. Ascend
31.70 Top of spur bears N. E. and S. W. Descend
40.00 Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground
for 1/4 sec. cor. for sec. 32 only of T. 5 N., with brass cap marked

S. 32

1/4

and raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

40.20 Dry wash 10 lks. wide, course N. Ascend
43.10 Road bears N. E. and S. W.
52.70 Top of spur bears N. and S. Descend
79.00 Dry wash 50 lks. wide, course N. Ascend.

Chains

South bdy. of T. 5 N., R. 10 W., S. B. M.

50.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 32 and 33 only of T. 5 N., with brass cap marked

T. 5 N., R. 10 W.

S. 32 S. 33

and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land broken and hilly, drains N.

Soil rocky and gravelly; 4th rate.

Scattering pine, juniper, sage and yucca palms

East on a true line along the S. bdy. of sec. 33

Ascend over broken hills through scattering pine, juniper and yucca palms.

21.85

Dry wash 60 lks. wide, course N. 60° E.

27.90

Top of spur bears N. and S. Descend

40.00

Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground for ¼ sec. cor. for sec. 33 only of T. 5 N. with brass cap marked

S. 33

¼

and raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

49.60

Dry wash 10 lks. wide, course N. Ascend

53.90

Top of spur bears N. and S. Descend

60.00

Dry wash 20 lks. wide, course N. Ascend

62.80

Top of spur bears N. and S. Descend

64.80

Dry wash 20 lks. wide, course N. Ascend

69.00

Top of spur bears N. E. and S. W. Descend

77.70

Dry wash 10 lks. wide, course N. Ascend slightly thence

80.00

The cor. of secs. 3, 4, 33 and 34.

Land broken and hilly; drains N.

Soil rocky and sandy; 4th rate.

Scattering pine, juniper and yucca palms.

December 10, 1912

Subdivision lines Fractional Township 5 N., R. 10 W., San Bernardino Meridian

Commenced November 13th, 1855
 North between Sections 35 & 36 Var. 14° 8' E.

The adjustment of the compass being known from a recent measurement of the exterior lines by myself, and the same chainmen as those now employed under the same contract.

10.50 To the top of N. W. slope of high hill, the highest portion being about $\frac{1}{2}$ of a mile to the S. E.
 35.00 Leave same and meet with indications of a vein of copper ore, ranging E. & W.
 40.00 Set qr. Sec. post and charred stake in mound with trench and pits as per instructions.
 45.00 To uniform N. slope of hill
 80.00 Sect. Sec. post and charred stake 6 in. deep in mound with shallow trench and pits for nearness of the bed rock of red or burnt granite to surface. Soil third rate consisting of disintegrated granite. First half mile hilly, last mostly an inclined plain to the North.

East On random line between sections 25 and 36 Var. 14° 8' E.

40.00 Set temporary qr. Sec. post.

79.26 Intersected E. boundary 15 lks. S. of cor. of Secs. 25, 30, 31 & 36 from which I run

West on a true line between Sections 25 & 36 Var. 14° 14' E.

39.63 Set qr. Sec. post and charred stake in mound with trench and pits as per instructions on N. base of range of hills to N. W. and about 30 chs. N. of an oval hill (on N. face of range of hills) about half mile base from E. to W. and $\frac{1}{3}$ from N. to S. on the S. E. point of which are found some rich specimens of iron ore, the needle being at the point attracted 22 $\frac{1}{2}$ ' E. by it.

79.26 To corner of Secs. 25, 26, 35 & 36. Undulating land. Soil third rate.

North between Sections 25 & 26 Var. 14° 8' E.

40.00 Set qr. Sec. post and charred stake in mound with trench and pits as per instructed.

60.00 Enter valley.

80.00 Set sec. post & charred stake in mound with trench and pits as per instructions cor. of Secs. 23, 24, 25 & 26
 Soil second rate (disintegrated granite.)

East On random line between sections 24 & 25. Var. 14° 8' E.

40.00 Set temporary qr. Sec. post in dry bed of Arroyo. Course N. W.

79.52 Intersect E. boundary 10 chs. W. of cor. of Secs. 19, 24, 25 & 30 from which I run

West on true line between Sections 24 & 25.

Var. 14° 4' E.

39.76 Set qr. Sec. post and charred stake in mound of rock and earth 5 ft. base and 30 in. high

79.52 To cor. of secs. 23, 24, 25 & 26 gently sloping to N. W. third rate and pebbly soil.

North
40.00 between Sections 23 & 24 Var. 14° 8' E.
Set qr. sec. post and charred stake in mound of rock and earth 5 ft. base and 30 in. high.

75.50 Across dry arroyo 15 lks. wide, course N. W.

80.00 Set sec. post and charred stake in mound, with trench and pits as per instructions cor. of Secs. 13, 14, 23 & 24.

Land level. Soil third rate. Consisting of red sand and pebbles.

East
40.00 On random line between Sections 13 & 24 Var. 14° 8' E.
Set temporary qr. Sec. post.

58.00 Across Rio del Llano 28 lks, wide and rapid., skirted with alders, course N. W.

79.46 Intersect E. boundary 12 lks. N. of cor. of Secs. 13, 14, 23 & 24, from which I run

West
39.73 On a true line between Sections 13 & 24 Var. 14° 3' E.
Set qr. Sec. post and charred stake in mound with trench and pits as per instructions

79.46 To cor. of Secs. 13, 14, 23 & 24. Level land, Soil same as last mile

North
40.00 between Sections 13 & 14 Var. 14° 8' E.
Set qr. Sec. post and charred stake in mound with trench & pits as per instructions.

80.00 Set sec. post and charred stake in mound, with trench and pits as per instructions cor. of Secs. 11, 12, 13 & 14. Land level. Soil same as last mile.

East
25.00 On random line between Secs. 12 & 13 Var. 14° 8' E.
Across Rio del Llano, a rapid stream 12 lks. wide and 9 in. deep, course North

40.00 Set temporary qr. Sec. post

80.00 Intersect E. boundary, 10 lks. N. of cor. of Secs. 7, 12, 13 & 15, from which I run

West
40.00 On a true line between Sections 12 & 13 Var. 14° 04' E.
Set sec. post & charred stake from which a dark cedar, 6 ins. diam. bears S. 27½ E. dist, 20 chs. Another cedar, 4 in. diam. N. 27½ W. dist. 100 lks.

80.00 To cor. of Secs. 11, 12, 13 & 14. Level land. Soil same as last mile.

November 13th.

North	between Sections 11 & 12	Var. 14° 8' E.
40.00	Set qr. Sec. post and charred stake in mound with trench and pits as per instructions.	
73.50	Across Rio del Llano, 10 lks. wide, rapid and course N. W.	
80.00	Set sec. post and charred stake in mound with trench and pits as per instructions. Cor. of secs. 1, 2, 11 & 12.	
	Land level. Soil same as last mile.	
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East	on random between Sections 1 & 12	Var. 14° 8' E.
40.00	Set temporary qr. Sec. post.	
79.87	Intersect E. boundary, 44 lks. N. of cor. of Secs. 1, 6, 7 & 12, from which I run	
West	on a true line between Sections 1 & 12.	Var. 13° 49' E.
39.93½	Set qr. Sec. post and charred stake from which a Spanish Bayonet 8 in. diam. bears S. 40 E. dist. 252 lks. A Spanish Bayonet, 8 in. diam. bears N. 11½ W. distant 135 links.	
79.87	To corner of Sections 1, 2, 11 & 12. Level land, third rate soil.	
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North	between Sections 1 & 2	Var. 14° 8' E.
15.00	Across dry Arroyo, 1 chain wide, course N. W.	
25.00	Across same Arroyo, 1 chain wide, course N. E.	
40.00	Set qr. Sec. post and charred stake in mound with trench and pits as per instructions.	
84.00	Intersect 1st. Standard North, 860 lks. E. of the half mile corner of the 55th Standard mile, as established by Col. R. Norris & set C. C. Sec. post and charred stake, with trench and pits as per instructions. Cor. of Secs. 1 & 2. Same as last mile.	
	November 14th.	
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North	between Sections 34 & 35.	Var. 14° 8' E.
40.00	Set qr. Sec. post and charred stake in mound, with trench and pits as per instructions, in hollow, taking N. W.	
41.00	Cross road, course N. W.	
60.00	To summit of range of hills and commencement of inclined plain to North.	
80.00	Set sec. post and charred stake in mound, with trench and pits as per instructions cor. of secs. 26, 27, 34 & 35.	
	Rolling hills. Soil second rate.	
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East	On random between Sections 26 & 35	Var. 14° 8' E.
40.00	Set temporary qr. sec. post	
23.50	To bank of ravine, course N. & S.	
44.00	Into same	
26.00	Across dry arroyo 12 lks. wide, course N. E.	
53.50	Across ravine	
55.00	To top of E. bank.	

80.47 Intersected N. & S. line, 64 lks. N. of cor. of Secs. 25, 26, 35 & 36, from which I run
 West on a true line between sections 26 & 35. Var. 13° 29' E.
 40.23½ Set qr. sec. post and charred stake in mound with trench and pits as per instructions.
 80.47 To cor. of Secs. 26, 27, 34 & 35 first half mile hilly, last a plain inclined to the N. Soil second rate.
 West on random between Sections 27 & 34 Var. 14° 8' E.
 30.00 To top of range of hills ranging N.W. Ascent 150 feet
 40.00 Set temporary qr. sec. post
 65.00 Across dry bed of Arroyo, 15 lks. wide, course N. W.
 79.47 Intersected N. & S. line 20 lks. S. of cor. of Secs. 27, 28, 33 & 34, from which I run
 East on true line between Sections 27 & 34 Var. 14° 8' E.
 39.73½ Set qr. sec. post and charred stake in mound from which bears a Cedar 5 in. diam. S. 83 W. dist. 48 lks. A Cedar 5 in. diam. N. 52½ W. 89 lks. dist.
 79.47 To cor. of secs. 26, 27, 34 & 35. Undulating land first half mile sloping to S. E. and last half mile to N.W. Soil second rate.
 North between Sections 26 & 27. Var. 14° 8' E.
 40.00 Set qr. sec. post and charred stake in mound with trench and pits as per instructions.
 80.00 Set sec. post and charred stake in mound, with trench and pits as per instructions. Cor. of Secs. 22, 23, 26 & 27. Undulating land, sloping N. Scattering Cedar first half mile. Soil second rate.
 East on random between Sections 23 & 26. Var. 14° 8' E.
 40.00 Set temporary qr. Sec. post.
 72.50 Centre of dry Arroyo, 50 lks. wide, banks 4½ feet high course North
 79.89 Intersected N. & S. line, 29 lks. N. of cor. of Secs. 23, 24, 25 & 26. from which I run
 West on a true line between sections 23 & 26. Var. 13° 56' E.
 39.94½ Set qr. Sec. post and charred stake in mound with trench and pits as per instructions.
 79.89 To cor. of Secs. 22, 23, 26 and 27. Undulating land. Soil third rate. Sand and pebbly. November 15th.
 North between Sections 22 & 23. Var. 14° 8' E.
 40.00 Set qr. Sec. post and charred stake in mound, with trench and pits as per instructions.
 45.75 A Spanish Bayonet 8 in. diam.
 80.00 Set sec. post & charred stake in mound, with trench and pits as per instructions corner of Sections 14, 15, 22 & 23. Land sloping North. Soil of first ¼ mile second rate, last quarter mile third rate.

East	On Random between Sections 14 & 23	Var. 14° 5' E.
40.00	Set temporary qr. Sec. post	
79.60	Intersected N. & S. line 28 lks. N. of cor. of Secs. 13, 14, 23 & 24, from which I run	
West	on true line between Sections 14 & 23	Var. 13° 56' E.
39.80	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
79.60	To cor. of Secs. 14, 15, 22 & 23. Land undulating. Soil second rate generally	
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North	between Sections 14 & 15.	Var. 14° 8' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.00	Set sec. post and charred stake in mound, with trench and pits as per instructions. Cor. of secs. 10, 11, 14 & 15. Level land. Soil second rate.	
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East	on random between sections 11 & 14.	Var. 14° 8' E.
40.00	Set temporary qr. sec. post.	
79.17	Intersected N. & S. line, 13 lks. N. of cor. of Secs. 11, 12, 13 & 14, from which I run	
West	on a true line between Secs. 11 & 14.	Var. 14° 2' E.
39.58½	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
79.17	To cor. of secs. 10, 11, 14 & 15. Level land. Soil second rate.	
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North	between Sections 10 & 11	Var. 14° 05' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.00	Set sec. post and charred stake in mound with trench and pits as per instructions cor. of secs. 2, 3, 10 & 11.	
	Land level. Soil second rate.	
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East	On random between Sections 2 & 11	Var. 14° 8' E.
26.00	Across dry arroyo, 15 lks. wide, course N. W.	
40.00	Set temporary qr. sec. post	
74.50	Across Rio del Llano 12 chs. wide, course N. W. and rapid, skirted with alder trees	
79.21	Intersected N. & S. line 64 lks. N. of cor. Secs. 1, 2, 11 & 12, from which I run	
West	On a true line between Sections 2 & 11	Var. 13° 41' E.
39.10½	Set qr. Sec. post and charred stake in mound, with trench and pits as per instructions	
79.21	To cor. of secs. 2, 3, 10 & 11.	
	Land level. Soil third rate and sandy.	

North	between Sections 2 & 3	Var.
40.00	Set qr. sec. post and charred stake from which bears a Spanish Bayonet 7 in. diam. S. 43 E. dist. 67 links.	
	A Spanish Bayonet 10 ins. diam. N. 21 W. dist. 148 links	
83.64	Intersected 1st. Standard North 881 lks. E. of the half mile corner on the 56th Standard mile as established by Col. R. Norris, and	
	Set C.C. sec. post and charred stake in mound, with trench and pits at point of intersection, base of mound 5½ feet for Sand. Level land. Soil third rate and sandy. A sand bank ranging N.W. & S.E. diagonally through the N.E. quarter of the N.E. qr. Sec. of Sec. 3.	
	Friday, Nov. 16th.	
	From cor. of Secs. 27, 28, 33 & 34	
North	between Secs. 27 & 28	Var. 14° 8' E.
6.50	Across dry Arroyo, 20 lks. wide, course N. W.	
33.00	To top of hill. Ascent 150 feet	
40.00	Set qr. sec. post and charred stake in mound, with trench and pits as per instructions on the west slope of the west terminus of a range of hills to the S. E.	
80.00	Set sec. post and charred stake in mound with trench and pits as per instructions. Cor. of Secs. 21, 22, 27 & 28. Hilly soil. Second rate generally.	
East	on random between Secs. 22 & 27	Var. 14° 8' E.
15.00	Enter valley to North	
40.00	Set temporary qr. Sec. post	
49.00	Across ravine 1 chain wide, course North	
79.48	Intersected N. & S. line 10 lks. S. of cor. of Secs. 22, 23, 26 & 27, from which I run	
West	on a true line between Sections 22 & 27	Var. 14° 12' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions	
79.48	So. cor. of secs. 21, 22, 27 & 28. Undulating land. Soil second rate generally.	
	West on random line between Sections 21 & 28	Var. 14° 8' E.
20.00	Leave base of hills	
40.00	Set qr. sec. post	
59.00	Across dry arroyo, 20 lks. wide, course N. W.	
80.06	Intersect N. & S. line 57 lks. N. of cor. of secs. 20, 21, 28 & 29 from which I run	
East	on true line between Sections 21 & 28	Var. 14° 32' E.
40.03	Set qr. sec. post and charred stake in mound, with trench and pits as per instructions.	
80.06	To cor. of secs. 21, 22, 27 & 28. Undulating land. Soil second rate generally	

North	between Sections 21 & 22	Var.
5.00	To top of W. end of ridge	
25.00	Enter valley, descent 150 feet.	
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.00	Set sec. post and charred stake in mound with trench and pits as per instructions. Corner of Sections 15, 16, 21 & 22	
	Land undulating. Soil second rate.	
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North	between Sections 15 & 16	Var. 14° 8' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions	
80.00	Set sec. post and charred stake in mound with trench and pits as per instructions. Cor. of secs. 9, 10, 15 and 16. Land undulating and gently sloping North. Soil second rate.	
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East	on random between sections 10 & 15	Var. 14° 8' E.
40.00	Set temporary qr. sec. post	
79.79	Intersect N. & S. line 10 lks. N. of cor. of Secs. 10, 11, 14 & 15 from which I run	
West	on a true line between Secs. 10 & 15.	Var. 14° 4' E.
39.89½	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
79.79	To cor. of secs. 9, 10, 15 & 16. Undulating. First half mile third rate, last half mile second rate soil.	
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North	between Sections 9 & 10	Var. 14° 8' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.00	Set Sec. post and charred stake in mound with trench and pits as per instructions, cor. of Secs. 3, 4, 9 & 10. Undulation land. First 60 chs. second rate soil, last 20 chs. third rate soil.	
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East	on random between Sections 3 & 10	Var. 14° 8' E.
40.00	Set temporary qr. sec. post	
80.08	Intersected N. & S. line 23 lks. N. of cor. of Secs. 2, 3, 10 & 11 from which I run	
West	on a true line between Sections 3 & 10	Var. 13° 58' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.08	To cor. of Secs. 3, 4, 9 & 10.	
	Land level, soil third rate.	November 17th.
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Frank Lecouvreur commences to act as a Compassman and Ramon Mendibil as Flagman.		
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North	between Sections 3 & 4.	Var. 14° 8' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	

53.63 Intersected 1st Standard North 9.04 chs. E. of the half mile corner on the 57th Standard mile as established by Col. R. Norris and set C. C. Sec. post and charred stake in mound, with trench, and pits as per instructions at point of intersection, cor. Secs. 3 & 4. Land level. Soil third rate.

North
40.00 From cor. of Secs. 20, 21, 28 & 29 between Sections 20 & 21 Var. 14° 8' E.
Set qr. sec. post and charred stake in mound, with trench and pits as per instructions.

50.00 Set sec. post and charred stake in mound, with trench and pits as per instructions, cor. of Secs. 16, 17, 20 & 21. Land level. Soil a disintegrated granite, apparently second rate.

East
26.00 On random between Sections 16 & 21 Var. 14° 8' E.
Across dry arroyo, banks 4 feet high, 60 lks. wide, course N.

40.00 Set temporary qr. sec. post

79.92 Intersected N. & S. line 48 lks. N. of cor. of Secs. 15, 16, 21 & 22, from which I run

West
39.96 on a true line between Secs. 16 & 21. Var. 13° 47' E.
Set qr. sec. post and charred stake in mound with trench and pits as per instructions

79.92 To cor. of secs. 16, 17, 20 & 21. Land level. Soil second rate.

North
40.00 between Secs. 16 & 17 Var. 14° 8' E.
Set qr. sec. post and charred stake in mound, with trench and pits as per instructions

50.00 Set sec. post and charred stake in mound with trench and pits as per instructions, cor. of secs. 8, 9, 16 & 17. Land level. Soil second and third rate.

East
40.00 on random between Sections 9 & 16. Var. 14° 8' E.
Set temporary qr. sec. post

50.13 Intersected N. & S. line 74 lks. N. of cor. of Secs. 9, 10, 15 & 16, from which I run

West
40.06½ on a true line between Sections 9 & 16. Var. 13° 36' E.
Set qr. sec. post and charred stake in mound with trench and pits as per instructions.

50.13 To cor. of secs. 8, 9, 16 & 17. Land level. Soil third rate generally.

North
38.50 between Sections 8 & 9. Var. 14° 8' E.
Across dry Arroyo, banks 2 feet high, 20 lks. wide, course N. W.

40.00 Set qr. sec. post and charred stake in mound with trench and pits as per instructions.

50.00 Set sec. post and charred stake in mound with trench and pits as per instructions. Cor. of Secs. 4, 5, 8 & 9.

Land level. Soil third rate.

F. T. 5 N., R. 10 W.

East	on random between Sections 4 & 9	Var. 14° 8' E.
40.00	Set temporary qr. sec. post	
80.20	Intersected N. & S. line, 40 lks. N. of cor. of secs. 3, 4, 9 & 10 from which I run	
West	on a true line between Secs. 4 & 9	Var. 13° 51' E.
40.10	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.20	To cor. of Secs. 4, 5, 8 & 9. Land level. Soil third rate. November 19th.	
North	between Sections 4 & 5	Var. 14° 8' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
83.00	Intersected 1st Standard North 10.25 chs. E. of the half mile corner of the 58th Standard mile, as established by Col. R. Norris and set C. C. Sec. post and charred stake in mound with trench and pits as per instructions at pt. of intersection, cor. of Secs. 4 & 5. Land level. Soil third rate.	
North	From cor. of Secs. 19, 20, 29 & 30. between Sections 19 & 20	Var. 14° 8' E.
6.50	Across road, corner N. W.	
40.00	Set qr. sec. post and charred stake from which a Spanish Bayonet 8 in. diam. bears N. 41 West. dist. 48 lks. A Spanish Bayonet 8 in. diam. bears N. 81½ W. dist. 163 lks.	
80.00	Set sec. post and charred stake and dig trench as per instructions, cor. of Secs. 18, 19, 17 & 20. from which A Spanish Bayonet 15 in. diam. bears S. 73 W. dist. 57 links. A Spanish Bayonet 10 in. diam. bears S. 66 E. dist. 67 links. Undulating land. Soil second rate.	
East	on random between Sections 17 & 20	Var. 14° 8' E.
15.50	Across dry arroyo, 50 lks. wide, course N.	
40.00	Set temporary qr. sec. post.	
56.00	Across dry arroyo, 50 lks. wide, course N.	
80.42	Intersect N. & S. line 25 lks. N. of cor. of Secs. 17, 20, 16 & 21, from which I run	
West	on a true line between sections 17 & 20.	Var. 13° 57' E.
40.21	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
80.42	To cor. of secs. 18, 19, 17 & 20. Land undulating. Soil second rate generally.	
West	on random between Sections 18 & 19.	Var. 14° 8' E.
40.00	Set temporary qr. sec. post	
76.93	Intersected W. boundary 27 lks. S. of cor. of Secs. 13, 24, 18 & 19, from which I run	
East	on a true line between Sections 18 & 19.	Var. 13° 56' E.

36.93 Set qr. sec. post and charred stake in mound with trench and pits as per instructions.

76.93 To cor. of Secs. 18, 19, 17 & 20. Land level. Soil second rate.

36.93 Set qr. sec. post and charred stake in mound with trench and pits as per instructions

76.93 To cor. of Secs. 18, 19, 17 & 20. Land level. Soil second rate.

North between Sections 17 & 18. Var. 14° 8' E.

40.00 Set a qr. sec. post and charred stake, from which a Spanish Bayonet 12 in. diam. bears N. 55 E. dist. 84 links.

A Spanish Bayonet, 8 in. diam. bears N. 69 W. dist. 112 links.

80.00 Set sec. post and charred stake in mound with trench as per instructions cor. of Secs. 7, 18, 8 & 17, from which

A Spanish Bayonet 10 ins. diam. bears S. 32 W. dist. 54 links.

A Spanish Bayonet 12 in. diam. bears N. 15½ E. dist. 48 links.

Land level. Soil second rate.

East on random between Sections 8 & 17 Var. 14° 8' E.

2.00 Across dry Arroyo 10 lks. wide, course N.

29.00 Across dry Arroyo 12 lks. wide, course N. W.

40.00 Set temporary qr. Sec. post

47.00 Across dry Arroyo, 50 lks. wide, course N.

80.50 Intersected N. & S. line 24 chs. N. of cor. of Secs. 8, 17, 9 & 16, from which I run

West on true line between Sections 8 & 17 Var. 13° 58' E.

40.25 Set qr. Sec. post and charred stake in mound with trench and pits as per instruction.

80.50 To cor. of Secs. 7, 18, 8 & 17. Level land. Soil third rate generally

West on random between Sections 7 & 18 Var.

11.00 Across dry Arroyo, banks nearly 5 feet high 30 lks. wide, course N.

40.00 Set temporary qr. sec. post.

76.50 Intersected west boundary 20 lks. N. of cor. of Secs. 12, 13, 7 & 18, from which I run

East on a true line between Sections 7 & 18. Var. 14° 16' E.

36.50 Set a qr. Sec. post and charred stake in mound with trench and pits as per instructions.

76.50 To cor. of Secs. 7, 18, 8 & 17. Land level. Soil mostly third rate.

November 20th.

North between Sections 7 & 8 Var. 14° 8' E.

40.00 Set qr. sec. post and charred stake in mound, with trench and pits as per instructions.

48.52 A Spanish Bayonet 8 in. diam.

80.00 Set sec. post and charred stake in mound, with trench and pits as per instructions, cor. of Secs. 6, 7, 5 & 8.

Land level. Soil mostly third rate.

F. T. 5 N., R. 10 W.

East	on random between Sections 5 & 8	Var. 14° 8' E.
33.50	Across dry Arroyo, 30 lks. wide, course N.	
40.00	Set temporary qr. sec. post	
80.52	Intersected N. & S. line 3 lks. N. of cor. of Secs. 5, 8, 4 & 9. from which I run	
West	on a true line between Sections 5 & 8.	Var. 14° 7' E.
40.26	Set qr. sec. post and charred stake in mound, with trench and pits as per instructions.	
80.52	To cor. of Secs. 6, 7, 5 & 8. Level land. Soil principally third rate.	
West	on random between Sections 6 & 7	Var. 14° 8' E.
40.00	Set temporary qr. sec. post	
76.35	Intersected W. boundary 15 lks. wide, N. of cor. of secs. 1, 12, 6 & 7 from which I run	
East	on a true line between Sections 6 & 7	Var. 14° 14' E.
36.35	Set qr. Sec. post and charred stake in mound with trench and pits as per instructions	
76.35	To cor. of Secs. 6, 7, 5 & 8. Land level. Soil second rate generally	
North	between Sections 5 & 6	Var. 14° 8' E.
40.00	Set qr. sec. post and charred stake in mound with trench and pits as per instructions.	
82.42-	Intersected 1st Standard North, 10.41 chs. E. of the half mile corner of the 59th Standard mile as established by Col. Morris and set C. C. Sec. post and charred stake in mound with trench and pits as per instructions at point of intersection cor. of Secs. 5 & 6. Same as last mile.	November 20th, 1855

General Description

The southern portion of this Fractional Township falls in the hills upon which there is a very good grazing of bunch grass and chimise. The northern and larger portion falls in the valley of Rio del Llano, in the immediate vicinity of which the land is too rocky and pebbly for cultivations and the remaining portion appears well adapted to the culture of wheat. In the hills there are a few scattering cedar. The Spanish Bayonet or Palmetto abounds throughout the entire Fractional Township.

A list of the names of the individuals employed to assist in running, measuring or marking the lines and corners described in the foregoing filed notes of Fractional N. 5 N. of the base line of Range N. 10 W. of the San Bernardino Meridian, showing the respective capacities in which they acted.

William Mulock	Chairman
Jacob Bell	Chairman
John Warren	Axeman & Moundman
Charles A. Greener	Axeman & Moundman
Frank Leconvtour	Compassman

F. T. 5 N., R. 10 W.

We hereby certify that we assisted Henry Hancock, Deputy Surveyor, in surveying and subdividing Fractional Township Number five North of the base line of Range Number ten West, of the San Bernardino Meridian, and that said Fractional Township has been in all respects to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments placed according to the instructions furnished by the Surveyor General.

William Mulock
Jacob Bell
John Warren
C. A. Creamer
Frank Lecouvreur
Ramon Mendibil
Frank Lecouvreur

Chainman
Chainman
Axeman & Moundman
Axeman & Moundman
Flagman
Flagman
Compassman

Subscribed and sworn to by the above named persons before me,
Alex Gibson, Justice of the Peace for Los Angeles County this
19th day of January, A. D. 1856.

State of California.

Alex Gibson
Justice of the Peace