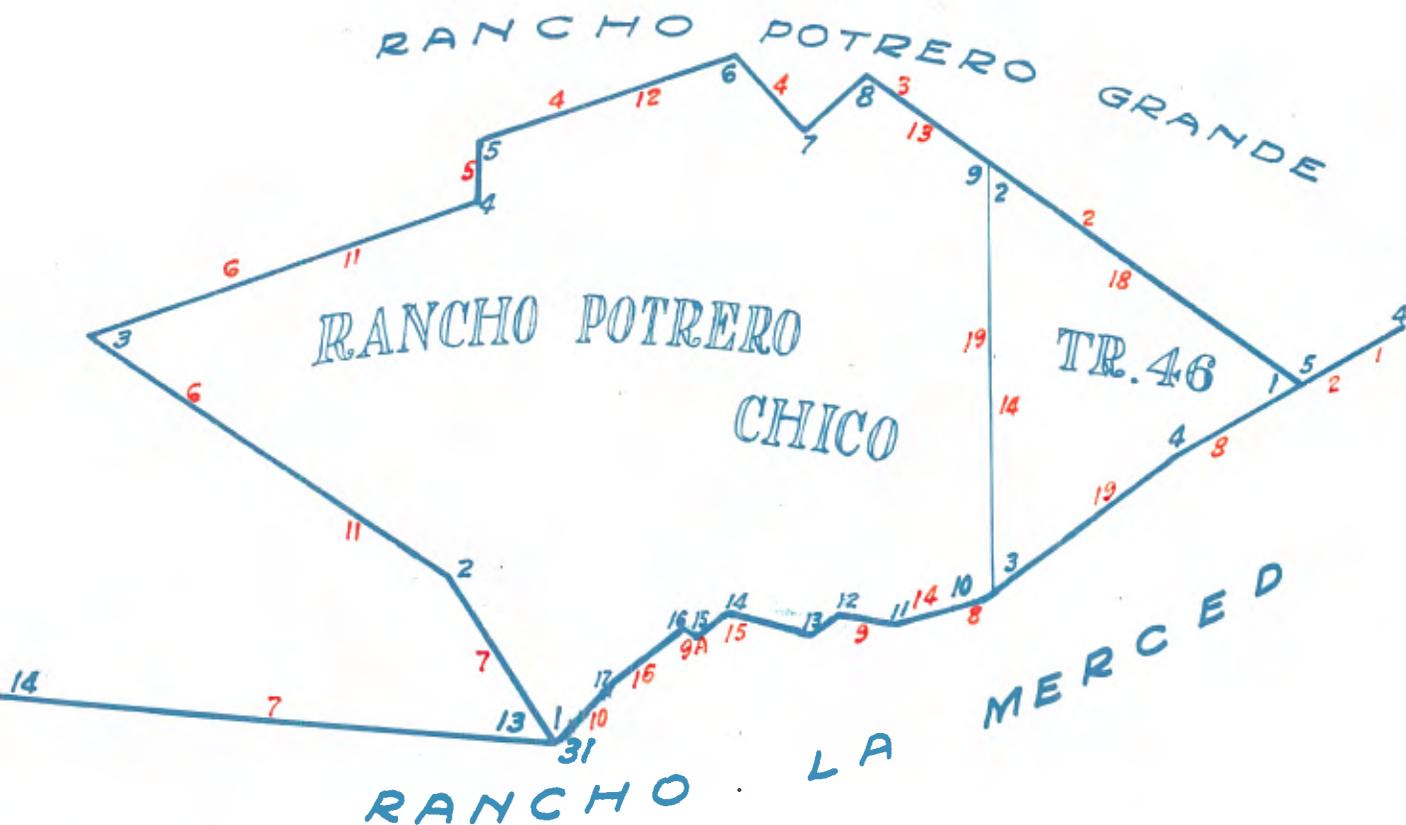


FIELD NOTES OF RANCHO POTRERO CHICO

VOL: 456:16:2-29  
FRANCIS E. JOY  
MARCH 6 to 18, 1920

COPIED FROM NOTES ON FILE AT CADASTRAL  
ENGINEER'S OFFICE, GLENDALE, BY  
A. C. JOHNSON, AND CHECKED BY A. C. JOHNSON  
AND R. L. WILLEY, NOV. 7, 1941



Report of Investigations - Pgs. 22 to 32

FIELD NOTES OF SURVEY

OF

Boundaries of Rancho Petrero Grande between corners No. 3 and 14; Reestablishment of the Boundaries of Rancho La Merced from Corner No. 30 to Corner No.1; the survey of Rancho Petrero de La Mission Vieja de San Gabriel, also known and designated throughout the field notes as Petrero Chico, and the segregation by notes and bounds Survey of Tract No. 46 embracing Lot 1, Section 32, T. 1 S., R. 11 W., and Lot 1, Sec. 5, T. 2 S., R. 11 W.

Francis E. Joy

Cadastral Engineer

March 6, 15, 1920

Vol. 456:16 pgs. 1-29

U. S. SURVEYORS GENERAL NOTES  
ON RANCHO LINES

VOL. 456:16 p. 2-29

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY OF  
RANCHO POTRERO GRANDE T. 1 & 2 S. R. 11 W. S.B.M.

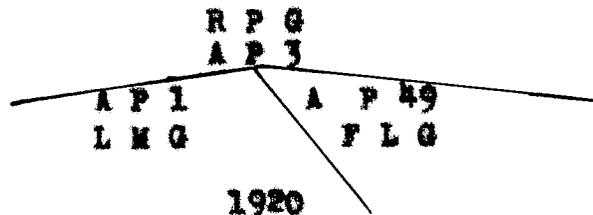
I commence at Corner #3 of the Rancho Potrero Grande which is also common to Cor. #1 of the Rancho La Merced and Cor. No. 49 of the Rancho Potrero de Felipe Lugo and run a random line westerly according to the calls of the original field notes to Corner #11; thence following traverse line to Cor. #12; thence record calls to a temporary point for Corner #14, from whence the original corner as verified by my report on investigations of the Potrero Chico Grant bears North 45°25' East 10.23 chains distant.

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Reestablishment of the surveys executed by U. S. Deputy Surveyor Henry Hancock in 1857.

Beginning at the locally recognized corner No. 3 of the Rancho Potrero Grande, which is also Cor. #1 Rancho La Merced, and Corner #49 Rancho Potrero de Felipe Lugo, and which position has been verified as described in a report heretofore submitted, and which is an iron pipe 2 inches diameter, 3 inches above ground firmly set, South of which about 18 inches there is a red cedar post, 4 inches square, 2 feet above ground firmly set, no marks on either.

To further perpetuate this corner, North and alongside, set an iron pipe 3 feet long, 2 inches diameter, 26 inches in ground for Corner #3 Rancho Potrero Grande, Cor. #1 Rancho La Merced, and Cor. #49 Rancho Potrero de Felipe Lugo, with brass cap marked

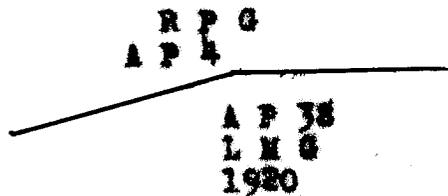


Thence South 76°43' West on a true line along South boundary of the Rancho Potrero Grande, and North boundary of the Rancho La Merced over level cultivated land, about 30 to 50 links North of sanja or open ditch

2.81 At proportionate distance

Set an iron post 3 feet long, 2 inches diameter, flush with the surface, for Cor. #4 of the Rancho Potrero Grande which is also

Corner #38 Rancho La Merced with brass cap marked



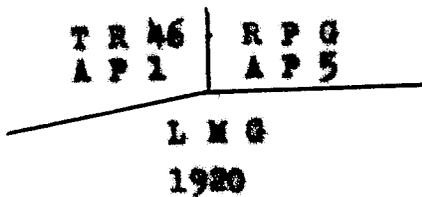
Corner in cultivated land, pits impracticable.

Thence South 62°02' West on a true line along South boundary of Rancho Petrero Grande and North boundary of Rancho La Merced, over level cultivated land about 50 links North of ranja

3.71

At the proportionate distance

Set an iron post 3 ft. long, 2 inches diameter, flush with surface, for Cor. #5 Rancho Petrero Grande, and on boundary of the Rancho La Merced and which is also later Cor. #1 Tr. 46, with brass cap finally marked



Corner in cultivated land, pits impracticable.

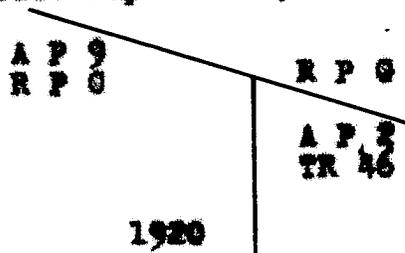
From this corner, Timoteo Repetto's house bears North 80°25' West Another house bears North 66°20' West

Thence North 53°04' West on a true line along South boundary of Rancho Petrero Grande, which is also later the boundary of Tract 46 over cultivated land

15.87

At the proportionate distance

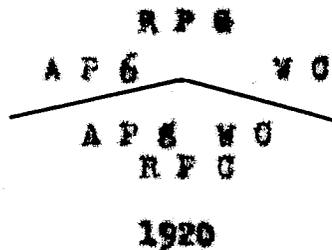
Set an iron post 3 foot long, 2 inches diameter, flush with the surface, for corner #2 Tr. 46 on the boundary of Rancho Petrero Grande and which is also later Cor. No. 9 Rancho Petrero Chico with brass cap finally marked



from whence

A double bois'd'arc' east prong 16 inches diameter brs. South 75°10' West 4.49 links distant marked R P G 9 B T. Timoteo Repetto's house bears South 75°45' West another house bears South 74°50' West in field pits impracticable.

- 18.70 Middle of abandoned irrigation ditch, 10 links wide, Course South  $10^{\circ}$  West
- 21.00 To edge of marsh along Mission Creek, leave cultivated land bears E and N  $60^{\circ}$  West Thence in marsh and willows
- 26.15 The proportional distance for the true point for Cor. #6 falls in Marsh, therefore at a point on the nearest available safe ground, from which the true point bears N  $45^{\circ}25'$  East 1.17 chains distant, set an iron pipe 3 feet long, 2 inches diameter, 26 inches in ground for witness corner to Corner #6 Rancho Petros Grande and which is also later the witness corner to Corner #6 Rancho Petros Chico, with brass cap finally marked



from whence a willow 7 inches diameter on old stump bears North  $35^{\circ}00'$  West 40 links distant marked R.P.G. W.G. G B T  
 A willow 18 inches diameter bears South  $62^{\circ}15'$  East 63 links distant marked R P G W G G B T

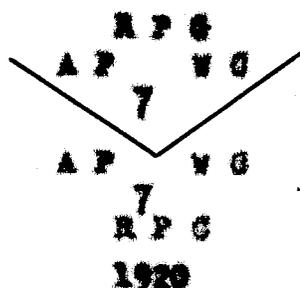
This witness corner is on an old dam bears N.W. & S.E.

Thence from the true point for Cor. #6

South  $47^{\circ}22'$  West on a true line along South boundary of Rancho Petros Grande, which is also later the boundary of the Rancho Petros Chico, over level marshy land, thru willows

- 3.71 The proportional distance for the true point for Cor. #7 falls in marsh, therefore, at a point on nearest available safe ground from which the true point, bears North  $45^{\circ}25'$  E. 1.37 chains distant

Set an iron post 3 feet long, 2 inches diameter; 26 inches in the ground for witness corner to corner No. 7 Rancho Petros Grande, which is also later the witness corner to corner #7 of Rancho Petros Chico with brass cap finally marked



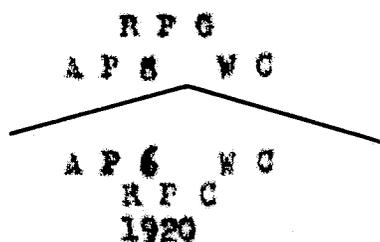
Pits impracticable. Middle of a small spring following North bears E. 10 links.

Thence from the true point for Corner No. 7 North  $44^{\circ}15'$  West on a true line along South boundary of Rancho Potrero Grande, which is also later the boundary of Rancho Potrero Chico

Over level marshy land along Mission Creek in willows

4.95

The proportional distance for the true point for Corner No. 8 falls near North edge of marsh. Therefore, at a point on nearest safe ground and available for future reference, from which the true point bears North  $27^{\circ}25'$  East 3.23 chains distant, Set an iron post, 3 feet long, 2 inches diameter, 26 inches in ground for witness corner to Corner No. 8 Rancho Potrero Grande, which is also later the witness corner to Corner #6 Rancho Potrero Chico, with brass cap finally marked



Pite impracticable. This witness corner is at edge of marsh and brush, bearing SE and S  $70^{\circ}$  West

Thence from the true point for Corner #8

South  $74^{\circ}00'$  West on a true line along South boundary of Rancho Potrero Grande which is also later the boundary of Rancho Potrero Chico

Over level marshy land along Mission Creek thru willows

12.15

The proportional distance for the true point for Corner #9 falls in marsh. Therefore, at a point on the nearest available safe ground, from where the true point bears North  $45^{\circ}25'$  East 1.37 chains distant

Set an iron post, 3 feet long, 2 inches deep, 26 inches in the ground for witness corner to Corner No. 9, Rancho Potrero Grande which is also later the witness corner to Cor. #5 Rancho Potrero Chico, with brass cap finally marked



1920

From whence

A willow 5 inches diameter, bears South  $53^{\circ}15'$  East 38 links distant marked R P C W C 5 B T

A willow 7 inches diameter on willow stump, 3 ft. diameter, bears South  $23^{\circ}30'$  West 33 links dist. marked R P C W C 5 B T

This witness corner is set on an old abandoned dam.

Thence from the true point for Corner #9

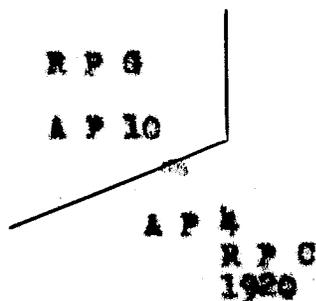
South 2°35' East on a true line along South boundary of the Rancho Potrero Grande, which is also later the boundary of the Rancho Potrero Chico

Over level marshy land along Mission Creek thru willows

2.20 Leave marsh and willows, also fence, bears North 77°30' East and South 77°30' West, enter english walnut orchard

2.85 The proportional distance for Corner #10

Set an iron post 3 feet long, 2 inches diameter, flush with ground for Corner #10 of the Rancho Potrero Grande, which is also later corner #4 of Rancho Potrero Chico with brass cap finally stamped



from whence

The witness corner to Corner No. 9 Rancho Potrero Grande which is also later the witness corner to Corner #5 Rancho Potrero Chico, bears North 30°20' West 2.18 chains distant

Thence South 72°25' West on a true line along South boundary of Rancho Potrero Grande, which is also the boundary of the Rancho Potrero Chico, over level land, in english walnut orchard

1.50 Leave orchard, and enter cultivated land, bears North 30° W. and S. 30° East

2.90 Pedro Alvitres' house bears South about 3.00 chains distant

5.20 A house bears North about 1.50 chains distant

9.75 House bears South about 1.50 chains distant

13.50 To Mission Creek, 40 links wide, Course S.W., leave cultivated land and enter brush

16.90 Middle of branch 10 links wide, Course South Leave brush and enter cultivated land

18.67 At the proportionate distance

Set an iron post 3 feet long, 2 inches diameter flush with the surface, for Corner #11, Rancho Potrero Grande which is also later Corner #3 Rancho Potrero Chico with brass cap finally marked

R P G  
A P 11



1920

**From whence**

A willow 4 inches diameter, in old fence line bears South 54°00' West 80 links distant, marked R P G 11 B T

A willow 12 inches diameter bears North 20°50' East 183 links distant marked R G P 11 B T

An iron pipe 2 inches diameter, 3 inches above ground firmly set in old fence - bears North 40°00' East 129 links distant probably local survey mark.

**Thence**

South 54°15' East on a true line along South boundary of Rancho Petrero Grande, which is also later the boundary of Rancho Petrero Chico.

Over level cultivated land

- 2.25 Middle of branch, 10 links wide, Course S. 10 feet bank
- 3.00 To Mission Creek, 30 links wide, Course South 30° West for a short distance; thence nearly South, This Creek is skirted with willows.
- 14.00 Head of slough, skirted with willows, Course W.
- 15.20 Fence, partly down, bears North 60° East and South 60° West
- 16.98 At the <sup>proportionate</sup> ~~proper~~ distance

Set an iron pipe, 3 feet long, 2 inches diameter, 30 inches in the ground for Corner #12 Rancho Petrero Grande which is also later Corner #2 of Rancho Petrero Chico, with brass cap finally marked

R P G  
A P 12

A P 2  
R P O

1920

Corner in field, pits impracticable

From this corner, the northwest corner of Elisabeth Barry's house bears North 64°45' East, 5.41 chains distant.

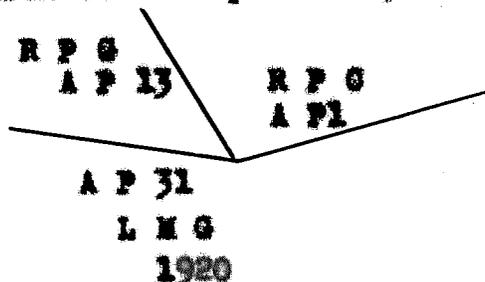
**Thence**

South 37°42' East on a true line along the South boundary of Rancho Petrero Grande which is also later a boundary of the Rancho Petrero Chico.

Over level cultivated land

- 9.99 At the <sup>proportionate</sup> ~~proper~~ distance

Set an iron post, 3 feet long, 2 inches diameter, 30 inches in the ground for Corner #13 Rancho Petrero Grande, and Corner #31 Rancho La Merced, and which is also later corner No. 1 Rancho Petrero Chico, with brass cap finally marked



from whence

A willow 6 inches diameter, bears South 44°30' West, 54 links distant marked L M G 31 N T

This tree is near middle of the ranja, or open ditch, course Southwest. The corner is on slope of the North bank.

Thence

North 52°09' West on a true line along the South boundary of the Rancho Petrero Grande, which is also the North boundary of the Rancho La Merced over level land, leaving cultivated land at this point bearing Northwest and Northeast

- 17.85 To Mission Creek, 30 links wide Course South 10° East
- 18.25 To line of piling set by the "Flood Control" bears about North 10° West and South 10° East
- 19.30 To line of piling set as above, bears about North 10° West and South 10° East enter bed of Rio Honda Course South
- 23.90 Right bank of Rio Honda, 4 feet high, Course South 20° East Leave bed of Rio Honda
- 25.10 Line of piling set by the "Flood Control" bears about North 20° W and South 20° E
- 27.00 Middle of drain 10 links wide, 4 feet deep Course South 70° E.
- 28.60 proportionate  
The pr/per distance to the original Corner No. 14 Rancho Petrero Grande, which is also Cor. #30 Rancho La Merced, as verified in my report of investigation of the Rancho Petrero Chico, and is a sycamore tree 45 inches diameter, with 2 blazes on South side, one at base, the other about 4 ft. from base unmarked

From Corner #3 to Corner No. 14

Land level, Soil heavy dark loam, 1st rate

Reestablishment of a portion of the North boundary of the Rancho La Merced Township 2 S., R. 11 W., S.B.M.

I commence at Corner #5 of the Rancho Potrero Grande which is an iron post 2 inches diameter, firmly set, heretofore described, and survey westerly along and parallel to the sanja, or open ditch, which is the north boundary of the Rancho La Merced, and South boundary of Tract #6 and Rancho Potrero Chico.

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Thence South 56°51' W. on a true line along the North boundary of Rancho La Merced, which is also later the boundary of Tract #6

Over level cultivated land

10.05 Set an iron post, 3 feet long, 2 inches diameter, 26 inches in the ground for an angle point in the boundary of the Rancho La Merced, and which is also later Cor. No. 4 of Tract No. 46, with brass cap finally marked

TR 46  
AP 4

---

L M G  
1920

Corner on North bank of the sanja and edge of cultivated land pits impracticable. From this corner, the southeast corner of an oil derrick bears North 67°40' West, 1.50 chains distant

Thence South 50°45' West on a true line along North boundary of Rancho La Merced, which is also later the boundary of Tr 46 over level cultivated land, and along North bank of the sanja

5.30 Set an iron post, 3 feet long, 2 inches diameter, 26 inches in the ground for an angle point in the boundary of Rancho La Merced, which is also later Cor. #3, Tract #6 and Corner #10 of Rancho Potrero Chico with brass cap finally marked

R P C                      Tr 46  
A P 10                      A P 3

---

L M G  
1920

Pits impracticable

Thence South 62°30' West on a true line along North boundary of Rancho La Merced, which is also later the boundary of the Rancho Potrero Chico

Over level cultivated land, along North bank of sanja

6.90 Set an iron post, 3 feet long, 2 inches diameter, 26 inches in the ground for an angle point in the boundary of Rancho La Merced, which is also later corner No. 11 Rancho Potrero Chico, with brass cap finally stamped

R P C  
A P 11

---

L M G  
1920

Pits impracticable

Thence South  $88^{\circ}30'$  West on a true line along North boundary of Rancho La Merced, which is also later the boundary of the Rancho Petrero Chico.

3.80

Over level cultivated land along North bank of the sanja  
Set an iron pipe, 3 feet long, 2 inches diameter, 30 inches in the ground for angle point in the boundary of Rancho La Merced, which is also later Corner No. 12 of the Rancho Petrero Chico, with brass cap finally marked

R P C  
A P 12

---

L M G  
1920

Pits impracticable. This corner is set South and alongside an iron pipe 2 inches diameter, flush with surface and at South end of fence which extends North  $21^{\circ}00'$  West

Thence South  $76^{\circ}30'$  West on a true line along North boundary of Rancho La Merced, which is also later the boundary of Rancho Petrero Chico

Over level cultivated land, along North bank of sanja

1.40

Set an iron pipe, 3 feet long, 2 inches diameter, 26 inches in the ground for an angle point in the boundary of Rancho La Merced, which is also later corner No. 13 Rancho Petrero Chico, with brass cap finally marked

R P C  
A P 13

---

L M G  
1920

Pits impracticable. From this corner a double cottonwood, 28 inches in diameter, South prong, marked on South face W T 33 about 4 feet above ground, bears North  $82^{\circ}45'$  West, 5.61 chains distant. The blaze indicates an age about 10 years.

---

Thence North  $84^{\circ}00'$  W. on a true line along North boundary of Rancho La Merced, which is also later the boundary of Rancho Petrero Chico

7.40

Over level cultivated land along North bank of the sanja  
Set an iron post, 3 feet long, 2 inches diameter, 26 inches in the ground, for an angle point in the boundary of the Rancho La Merced, which is also later corner No. 14 Rancho Petrero Chico with brass cap finally marked

R P C  
A P 14

---

L M G  
1920

Pits impracticable. From this corner the house of Julia de Cruz bears North about 2.00 chains distant.

Thence South 63°00' West on a true line along the North boundary of Rancho La Merced, which is also the boundary of the Rancho Petrerre Chico

- 1.20 Over level cultivated land along North bank of ranja  
Set an iron pipe, 3 ft. long, 2 inches diameter, 26 inches in the ground for an angle point in the boundary of Rancho La Merced, which is also later Corner No. 15 Rancho Petrerre Chico with brass cap finally marked

R P C  
A P 15

L M G  
1920

Pits impracticable.

---

Thence North 77°00' West on a true line along North boundary of Rancho La Merced which is also later the boundary of the Rancho Petrerre Chico over level cultivated land along North bank of the ranja

- 1.60 Set an iron pipe, 3 feet long, 2 inches diameter, 26 inches in the ground for an angle point in the boundary of the Rancho La Merced which is also later Corner No. 16 of Rancho Petrerre Chico with brass cap finally marked

R P C  
A P 16

L M G  
1920

Pits impracticable

---

Thence South 76°00' West on a true line along the North boundary of Rancho La Merced, which is also later the boundary of the Rancho Petrerre Chico over level cultivated land, along North bank of the ranja

- .90 Short division fence, bears Northwest from ranja  
1.20 Set an iron pipe, 3 feet long, 2 inches diameter, 26 inches in the ground for an angle point in the North boundary of Rancho La Merced which is also later corner No. 17 Rancho Petrerre Chico with brass cap marked

R P C  
A P 17

L M G  
1920

Pits impracticable

Thence

South 51°33' West on a true line along North boundary of Rancho La Merced which is also later the boundary of the Rancho Potrero Chico over level land, along North bank of the zanja Over level cultivated land along N. bank of zanja

1.82 To corner No. 31 Rancho La Merced, and Cor. #13 Rancho Potrero Grande also later Corner No.1 Rancho Potrero Chico which is an iron post 2 inches diameter, firmly set heretofore above described

Land Level

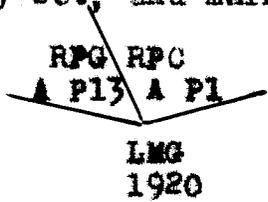
Soil, heavy dark loam, 1st rate

No timber

Chains

From the foregoing reestablishments of a portion of the boundaries of the Rancho Potrero Grande and the Rancho La Merced, the following notes for the survey of the Rancho Potrero de la Mission Vieja de San Gabriel, now known as the Rancho Potrero Chico referred to herein as such, are compiled.

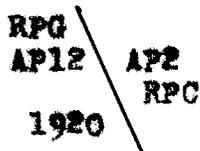
I commence at cor. No.1 of the Rancho Potrero Chico, which is also cor. No. 31 Rancho La Merced, and cor. No. 13 Rancho Potrero Grande, which is an iron post, 2 ins. diam., 6 ins. above ground, firmly set, and marked.



From which,  
A willow 6 ins. diam., bears S. 44° 30' W., 54 lks. dist., marked LMG 31 BT  
This cor. is on the north bank of the zanja or open ditch which is one of the natural call for the bdy. of this grant.

Thence,  
N. 37°42' W. bet. Rancho Potrero Chico and Rancho Potrero Grande.

9.99 Over level cultivated land  
To cor. No. 2 of Rancho Potrero Chico, which is also cor. No. 12 Rancho Potrero Grande, and is an iron post, 2 ins. diam., 6 ins. above ground, firmly set and marked.



cor. in field, pits impracticable. From this cor., the N.W. cor. of Elizabeth Barry's house, bears N. 64° 45' E. 5.41 chs. dist.

Thence

N. 54° 15' W. bet. Rancho Potrero Chico and Rancho Potrero Grande

Over level cultivated land  
 Fence, partly down, bears N. 60° E., and S. 60° W.  
 Head of slough, skirted with willows, course W.  
 To N. bank of Mission Creek, 30 lks. wide, course S. 30° W.  
 for a short distance, thence nearly S. This creek is  
 skirted with willows.  
 Middle of branch, 10 lks. wide, 10 ft. banks, course S.  
 To cor. No. 3 Rancho Potrero Chico, which is also cor.  
 No. 11 Rancho Potrero Grande, and is an iron post, 2 ins.  
 diam., flush with the surface, firmly set, and marked

1.78  
 2.98  
 13.98  
  
 14.73  
 16.98

Chains



1920

From which,  
 A willow 4 ins. diam., in old fence line, bears S. 54° 00' W.,  
 80 lks. dist., marked RPG 11 BT.  
 A willow 12 ins. diam., bears N. 20° 50' E., 163 lks. dist.,  
 marked RPG 11 BT.  
 An iron post, 2 ins. diam., 3 ins. above ground, firmly set  
 in old fence line, bears N. 40° 00' E., 120 lks. dist.,  
 probably local survey mark.

Thence,  
 N. 72° 25' E., bet. Rancho Potrero Chico, and Rancho Potrero  
 Grande.

Over level cultivated land  
 Middle of branch, 10 lks. wide, course S., leave cultivated  
 land and enter brush  
 To E. bank of Mission Creek, 40 lks. wide, course S.W.,  
 leave brush and enter cultivated land.  
 House, bears S. about 1.50 chs. dist.  
 House, bears N. about 1.50 chs. dist.  
 Pedro Alvitre's house, bears S. about 3.00 chs. dist.  
 Leave cultivated land, and enter english walnut orchard,  
 bears N. 30° W., and S. 30° E.  
 To cor. No. 4 Rancho Potrero Chico, which is also cor.  
 No. 10 Rancho Potrero Grande, and is an iron post, 2 ins.  
 diam., flush with the surface, firmly set, and marked

1.77  
 5.57  
 8.92  
 13.47  
 15.77  
 17.17  
  
 18.67



AP4  
 RPG  
 1920

from which,  
 The witness cor. to cor. No. 5 Rancho Potrero Chico, which  
 is also the witness cor. to cor. No. 9 Rancho Potrero Grande,  
 hereafter described, bears N. 30° 20' W., 2.18 chs. dist.

Thence  
 N. 2° 38' W., bet. Rancho Potrero Chico, and Rancho Potrero  
 Grande.

Over level land in English walnut orchard  
 Fence, bears N. 77° 30' E. and S. 77° 30' W., leave english  
 walnut orchard, enter marsh and willows along Mission Creek.

.65

2.85 To the true point for cor. No. 5 Rancho Potrere Chico, which is also the true point for Cor. No. 9 Rancho Potrere Grande, falls in marsh. From the said true point, the witness cor. to cor. No. 5 Rancho Potrere Chico, which is also the witness cor. to cor. No. 9 Rancho Potrere Grande, bears S. 45° 25' W. 1.37 chs. dist. and is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, and marked

RPG  
AP9 WC  
|  
AP5 WC  
RPG  
1920

From which,  
A willow 5 ins. diam., bears S. 53° 15' E., 38 lks. dist., marked RPG WC 5 BT  
A willow 7 ins. diam., on willow stump 3 ft. in diam., bears S. 23° 30' W. 33 lks. dist., marked RPG WC 5 BT  
This cor. is set on an abandoned dam.

Thence,  
From the true point for cor. No. 5 Rancho Potrere Chico, which is also the true point for cor. No. 9 Rancho Potrere Grande, E. 74° 00' E., bet. Rancho Potrere Chico, and Rancho Potrere Grande.

12.15 Over level marshy land along Mission Creek, in willows  
The true point for cor. No. 6 Rancho Potrere Chico, which is also the true point for cor. No. 8 Rancho Potrere Grande, falls in marsh, from said true point, the witness cor. to cor. No. 6 Rancho Potrere Chico, which is also the witness cor. to cor. No. 8 Rancho Potrere Grande, bears S. 27° 25' W., 3.23 chs. dist., and is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, and marked

RPG  
AP6 WC  
/ \  
AP6  
RPG WC  
1920

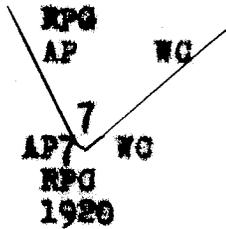
Pits impracticable. This cor. is at edge of marsh and brush, bears SE and S. 70° W.

Thence,  
From the true point for cor. No. 6 Rancho Potrere Chico, which is also the true point for cor. No. 8 Rancho Potrere Grande, S. 44° 15' E. bet. Rancho Potrere Chico, and Rancho Potrere Grande.

4.95 Over level marshy land along Mission Creek, in willows  
To the true point for cor. No. 7 Rancho Potrere Chico, which is also the true point for cor. No. 7 Rancho Potrere Grande, falls in marsh. From said true point the witness cor. to cor. No. 7 Rancho Potrere Chico, which is also the witness cor. to cor. No. 7 Rancho Potrere Grande, bears S. 45° 25' W., 1.37 chs. dist., and is an iron post, 2 ins. diameter

Chains

10 ins. above ground, firmly set and marked.



Pits impracticable. Middle of a small spring flowing N., bears E. 10 lks. dist.

Thence, from the true point for cor. No. 7 Rancho Potrero Chico, which is also the true point for cor. No. 7 Rancho Potrero Grande, N. 47° 22' E., bet. Rancho Potrero Chico, and Rancho Potrero Grande

3.71

Over level marshy land along Mission Creek, in willows. The true point for cor. No. 8 Rancho Potrero Chico, which is also the true point for cor. No. 6 Rancho Potrero Grande, falls in marsh. From said true point, the witness cor. to cor. No. 8 Rancho Potrero Chico, which is also the witness cor. to cor. No. 6 Rancho Potrero Grande, bears S. 45° 25' W., 1.17 chs. dist., and is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, and marked



From which,

A willow 7 ins. diam., an old stump, bears N. 35° 00' W., 40 lks. dist., marked RPG WG 6 BT.

A willow 18 ins. diam., bears S. 62° 15' E. 63 lks. dist., marked RPG WG 8 BT

This witness cor. is on an old dam, bearing NW. and SE.

Thence, from the true point for cor. No. 8 Rancho Potrero Chico, which is also the true point for cor. No. 6 Rancho Potrero Grande, S. 53° 04' E., bet. Rancho Potrero Chico, and Rancho Potrero Grande

5.15

Over level marshy land along Mission Creek, in willows. Leave marshy land and willows along Mission Creek, and enter cultivated land, bears E. and N. 60° W.

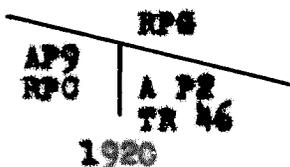
7.45

Middle of abandoned irrigation ditch, 10 lks. wide, course S. 10° W.

10.28

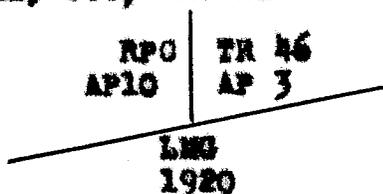
To cor. No. 9 Rancho Potrero Chico, which is also on the bdy. of Rancho Potrero Grande, and cor. No. 2 Tract 46, and is an iron post, 2 ins. diam., flush with the surface, and marked

Chains



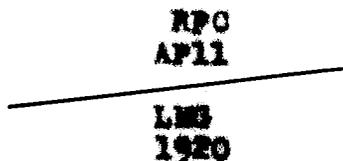
from which,  
 A double bein'd' are", east prong, 16 inches diam., bears  
 S. 75° 10' W., 449 lks. dist., marked RPC 9 BT  
 cor. in cultivated land, pits impracticable.  
 Timoteo Repetto's house bears S. 75° 45' W. Another house,  
 bears S. 74° 50' W. For further ties see cor. No.1 Tract 46.

Thence,  
 South, bet. Rancho Petrero Chico and Tract 46  
 Over level cultivated land  
 13.45 Fence, now down, bears N. 10° W. and S. 10° E.  
 18.10 To cor. No.10 Rancho Petrero Chico, which is also Cor. No.3  
 Tract 46, and an angle point in the bdy. of Rancho  
 La Merced, and is an iron post 2 inches diam., 10 ins. above  
 ground, firmly set, and marked



Pits impracticable.

Thence  
 S. 62° 30' W., bet. Rancho Petrero Chico, and Rancho La Merced  
 6.90 Over level cultivated land, along N. bank of the ranja.  
 To cor. No.11 Rancho Petrero Chico, which is also an  
 angle point in the bdy. of Rancho La Merced, and is an  
 iron post, 2 inches diameter, 10 inches above the ground, firmly  
 set and marked



Pits impracticable

Thence  
 S. 88° 30' W. bet. Rancho Petrero Chico, and Rancho La Merced.  
 3.80 Over level cultivated land, along N. bank of the ranja.  
 To cor. No. 12 Rancho Petrero Chico, which is also an angle  
 point in the bdy. of Rancho La Merced, and is an iron post,  
 2 ins. diam., 6 ins. above ground, firmly set, and marked

R P O  
A P 12

LMG  
1920

Pits impracticable. This cor. is set south and alongside an iron pipe, 2 ins. diam., flush with the surface, and at S. end of fence, which extends N.  $21^{\circ} 00'$  W.

Thence,  
S.  $78^{\circ} 30'$  W., bet. Rancho Petrero Chico, and Rancho La Merced.

1.40

Over level cultivated land, along N. bank of the ranja. To cor. No. 13 Rancho Petrero Chico, which is also an angle point in the bdy. of Rancho La Merced, and is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, and marked

R P O  
A P 13

LMG  
1920

Pits impracticable. From this cor. a scoble cottonwood 28 ins. diam., S. prong marked on S. face WT 33 about 4 ft. above ground, bears N.  $82^{\circ} 45'$  W., 5.61 chs. dist. The blaze indicates an age of about 10 years.

Thence,  
N.  $84^{\circ} 00'$  W., bet. Rancho Petrero Chico, and Rancho La Merced.

7.40

Over cultivated land, along N. bank of the ranja. To cor. No. 14 Rancho Petrero Chico, which is also an angle point in the bdy. of Rancho La Merced, and is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, and marked

R P O  
A P 14

LMG  
1920

Pits impracticable. From this cor., the house of Julia de Cruz, bears N. about 2.00 chs. dist.

Thence  
S.  $63^{\circ} 00'$  W., bet. Rancho Petrero Chico, and Rancho La Merced.

1.20

Over level cultivated land, along N. bank of the ranja. To cor. No. 15 Rancho Petrero Chico, which is also an angle point in the bdy. of Rancho La Merced, and is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, and marked

R P O  
A P 15

LMG  
1920

Pits impracticable.

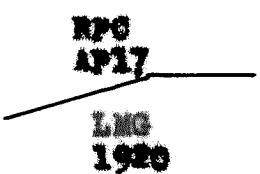
1.60 Thence  
N. 77° 00' W. bet. Rancho Potrero Chico, and Rancho La Merced  
Over level cultivated land, along N. bank of the ranja.  
To cor. No. 16 Rancho Potrero Chico, which is also an  
angle point in the bdy. of Rancho La Merced, and is an  
iron post, 2 ins. diameter, 10 ins. above ground, firmly set,  
and marked



Pits impracticable.

---

.90  
1.20 Thence  
S. 76° 00' W., bet. Rancho Potrero Chico, and Rancho La Merced  
Over level cultivated land, along N. bank of the ranja.  
A short division fence, bears N.W. from ranja.  
To cor. No. 17 Rancho Potrero Chico, which is also an angle  
point in the bdy. of Rancho La Merced, and is an iron post,  
2 ins. diam., 10 ins. above ground, firmly set and marked



Pits impracticable.

---

1.52 Thence  
S. 51°33' W., bet. Rancho Potrero Chico, and Rancho La Merced  
Over level cultivated land, along N. bank of the ranja.  
To cor. No. 1 Rancho Potrero Chico, and place of beginning.  
Land, level  
Soil, dark heavy loam; 1st rate  
Timber, willow along Mission Creek, and a few willow along the  
ranja.  
Containing an area of 83.46 acres.

**BOUNDARIES OF THE RANCHO POTRERO CHICO**

**LATITUDES DEPARTURES AND CLOSING ERRORS**

Line Desig.	True Bearing	Dist. mcs	Latitudes		Departures	
			N	S	N	W
1	N. 37° 42' W.	9.99	7.90			
2	N. 54° 16' W.	16.98	9.91			6.11
3	N. 72° 25' E.	18.67	5.64		17.80	13.79
4	N. 20° 38' W.	2.85	2.84			
5	N. 74° 00' E.	12.15	3.35		11.64	43
6	S. 44° 15' E.	4.98		3.57	3.48	
7	N. 47° 22' E.	3.71	2.51		2.73	
8	S. 53° 04' E.	10.28		6.18	8.22	
9	South	14.10		14.10		
10	S. 62° 30' W.	6.90		3.19		6.12
11	S. 88° 30' W.	3.80		.10		3.80
12	S. 78° 00' W.	2.40		.28		1.37
13	N. 84° 00' W.	7.40	.77			7.36
14	S. 63° 00' W.	1.20		.55		1.07
15	N. 77° 00' W.	1.60	.36			1.56
16	S. 76° 00' W.	1.20		.29		1.16
17	S. 51° 33' W.	1.82		1.13		1.43
Totals			33.28	33.39	43.91	43.90

Error in lat. \_\_\_\_\_ .11

Error in dept. \_\_\_\_\_ .01

**GENERAL DESCRIPTION**

The land within the bdrs. of the Rancho Potrero Chico is level, and all under intense cultivation. The prevailing crops are small grain and vegetables for the Los Angeles markets. There is an english walnut orchard in the northern portion of this area on the lands of Pedro Alvitro, and adjacent to the south on the lands of Timoteo Repetto is a small family orchard of apples, peaches, and apricots.

The drainage is rather sluggish, the water level being only about 4 feet below the surface, however, is being gradually tiled and drained to the westward to Mission Creek.

There are numerous oil wells from the west bdy., westerly and southwesterly for a distance of about 2 miles, but there are none on this tract at present.

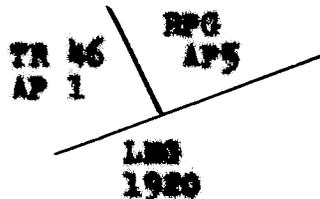
Vol. 456:16:27-29

**SURVEY OF TRACT 46 originally Lots 1 and 1  
Sections 32 and 5, T. 1 & 2 S., R. 11 W., S.B.M.**

From the foregoing re-establishments of a portion of the boundaries of the Rancho Potrero Grande, Rancho La Merced and survey of Rancho Potrero Chico, the following notes are compiled for the survey of Tract 46 which was originally described as Lot 1, Section 32, T. 1 S., R. 11 W. and Lot 1, Section 5, T. 2 S., R. 11 West

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I commence at Cor. #1 of Tract 46 which is also Corner #5, Rancho Potrero Grande, and an angle point in the boundary of Rancho La Merced, and is an iron pipe, 2 inches diameter, flush with surface firmly set, and marked



Corner in cultivated land, pits impracticable From this corner Timoteo Repetto's house bears North 56°25' West

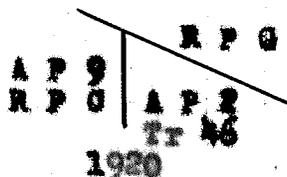
Another house bears North 56° 20' West

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Thence North 53°04' West between Tract 46 and Rancho Potrero Grande, over level cultivated land

15.87

To Corner #2, Tract 46 which also is on the boundary of Rancho Potrero Grande and Cor. #9, Rancho Potrero Chico, and is an iron pipe, 2 inches diameter, flush with surface, firmly set, and marked



From whence

A double bein' d' arc, east prong, 16 inches diameter, bears South 75°10' West 449 links distant marked R P G 9 B T

Corner in cultivated land, pits impracticable,

Timoteo Repetto's house bears South 75°45' West

Another house bears South 74°50' West

Thence South between Tract 46 and Rancho Potrero Chico over level cultivated land

13.45

Fence now down, bears North 10° West and S. 10° East

15.10 To Cor. #3, Tract 46, which is also Cor. #10 Rancho Petrero Chico, and an angle point in the boundary of Rancho La Merced, and is an iron pipe, 2 inches diameter, 10 inches above ground, firmly set and marked

R P C	TR 46
A P 10	A D 3

---

L G M  
1920

Pits impracticable

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Thence North 50°45' East between Tract 46 and Rancho La Merced, over level cultivated land, along North bank of the ranja

5.30 To Cor. #4, Tract 46, which is also an angle point in the boundary of Rancho La Merced, and is an iron post 2 inches diameter, 10 inches above ground, firmly set and marked

TR 46
AP 4

---

LNG  
1920

Corner on North bank of ranja and in edge of cultivated land, pits impracticable

From this corner the southeast corner of an oil derrick bears North 67°40' West 1.50 chains distant

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Thence

North 58°51' East between Tract 46 and Rancho La Merced over level cultivated land

10.05 To Corner No. 1 Tract 46 and place of beginning

Land Level

Soil heavy dark loam; 1st rate

No timber

Containing an area of 11.11 Acres.

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**Boundaries of Tr 46**

**LATITUDES, DEPARTURES, AND CLOSING ERRORS**

Line Desig.	True Bear.	Dist.	Lat.			
			N	S	E	W
1 to 2	N. 53°04' W.	15.87	9.94			12.69
2 to 3	South	18.10		18.10		
3 to 4	N. 50°45' E.	5.30	3.35		4.10	
4 to 1	N. 58°51' E.	10.05	5.20		8.60	
<b>TOTALS</b>			<b>18.09</b>	<b>18.10</b>	<b>12.70</b>	<b>12.69</b>
Error in Latitude				.01		
Error in Departure					.01	

GENERAL DESCRIPTION

The land within Tract 46 is all level and under intense cultivation at this time planted to small grains and vegetables.

There are no improvements on the tract other than an oil derrick near Corner No. 4.

APPROVAL

OFFICE OF THE U. S. SURVEYOR GENERAL  
SAN FRANCISCO, CAL. JUNE 9, 1920

The foregoing field notes of the resurvey of the boundaries of Rancho Petrero Grande between Corners #3 and 14; reestablishment of the boundaries of Rancho La Merced from Corner No. 30 to Corner #1; the survey of Rancho Petrero de la Mission Vieja de San Gabriel, also known and designated throughout the field notes as Rancho Petrero Chico, and the segregation by metes and bounds of Tract 46 embracing Lot 1, Section 32, T. 1 S., R. 11 W. and Lot 1, Sec. 5, T. 2 S., R. 11 W., executed by Francis E. Joy United States Cadastral Engineer under his special instructions dated December 13, 1919 having been critically examined and necessary corrections and explanations made, the said field notes, and the surveys, resurveys and reestablishments they describe are hereby approved.

Louis H. Meeker

U. S. Surveyor General

REPORT OF INVESTIGATIONS  
RANCHO POTRERO CHICO GRANT

I commence at the locally recognized corner of Township 1 and 2 South, Range 11 and 12 West, which is a redwood post 3x4x17 inches above ground and firmly set, marked T. 1 S., on northeast, Range 11 West on southeast, T. 2 S. on S.W. and R. 12 W. on Northwest faces. The E on southeast face favors a B more than R. The W on SE; T and 2 on SW, and the W on Northwest faces are nearly obliterated. Alongside and northwest of this post a 2 inch pipe has been driven firmly in the ground.

In the original survey the notes call for a post and charred stake/<sup>in</sup>mound. I failed to find any evidence of the original survey. However, in the record of the "Action No. 32405" referred to in the Commissioner's letter, I find that this corner was rebuilt by one of the surveyors (page 204 line 15) employed in locating a corner common to the Ranches La Merced, Potrero Grande, Potrero de Felipe Lugo. This probably explains the redwood post, also the redwood stake set at a point of intersection 1.13 chains North of the township corner, and the record call for intersection with south boundary of the Potrero Grande.

Therefore, I proceed to check the topography very closely in the neighborhood of the corner and find that the original notes describe this position so well that it could hardly be mistaken or misinterpreted. The pass to the North and East, the lobe of a hill to the north and a ravine to South all agree with the position very closely. Therefore, this point was accepted, and I believe it to be very near to the original position as established in 1853.

From this township corner I now run North 0-16' West, that being the direction of the property lines across valley to the north ward and visible from this point finding that the natural topographic items fairly agree with those noted in the original survey, and at 2 N 40.00 chains a stone bears North 85- 00' East 6.95 chains distant.

The original survey of Potrero Grande at Corner #16 note a red granite rock 24x18x12 inches from which the quarter corner between Sections 19 and 24 bears South 89° W. 6.58 chains. The stone to which I give tie above meets these specifications that is 24x18x12 inches. It is a red rock and what I would term a red conglomeration granite, but without any signs of marks as far as I could find and lies loose on top of the ground at corner of property lines. An old fence line from this point bears South 77°40' East comparing with South 77°30' East in the original notes. The other line bears South 39°20' West compared with South 39°10' West. Also the small triangle formed by this line with the range line is very definite on the ground, made so by stumps and large eucalyptus trees. This stone in my opinion is without doubt the original Corner No. 16 and is well verified for position.

I now return to the point of intersection 1.13 chains North of the corner of Townships 1 and 2 South, R. 11 and 12 West and run westerly along the South boundary of the Potrero Grande. Noting that, I differ as much as 3.00 chains in the crossing of drainage in one or two places, but for the most part agreeing with the original description of lands passed over.

At 127.15 chains, and for which I obtain a bearing of North 72°42' West is the junction of a fence extending North 39°15' East, also a fence extending North 73°20' West. This point is locally recognized as the corner of the Potrero Grande. The measurement indicates a difference of about 4.00 chains, and the difference probably is due to length of chain at time of original survey and the topography noted along the line seems to verify the above conclusions. A system of towers or transmission line follows this line on the south side, and I find from inquiry that these people have a right of way along the north boundary of the La Merced 30 feet wide.

Therefore, I consider that this line is in position and return to the point noted 1.13 chains North of the corner of Townships 1 and 2 South, Range 11 and 12 West and run easterly along South boundary of the Petrero Grande. The true bearing is South 73°31' East and at 44.43 chains find a sycamore tree accepted by local surveyor as the original corner of #14 of Petrero Grande, also corner #30 of La Merced. Engineer Weeks verified this tree as the one to which he refers in his affidavit in this case on Page 3 Paragraph 6 as being the original corner #14 of Petrero Grande identical with Corner #30 of La Merced.

I now make a thorough examination of other sycamore trees in this vicinity, but was unable to find any evidence that would indicate or lead me to think that any other tree had been used. One large sycamore about 3.00 chains southeasterly had a cross, evidently done with axe, low on base and a blaze about 4 feet from the ground on South face. However, in opening this blaze or scar, it did not indicate anything and the tree is a shell from decay at present and I could not obtain sufficient chip to get an age of blaze.

The sycamore accepted is much larger than reported even by Mr. Lightfoot. I asked three men to estimate the diameter and found all were, from 8 inches up, under the actual diameter of 45 inches. There are two blazes on tree, one at base which I do not believe has ever healed, or at least has been open for a number of years. If there are or have been marks on this blaze, I am unable at this time to identify them with exception of a possible 6.

However, I was unable to find anyone that had seen or had noticed any marks on this tree. It is also noticed that in the evidence submitted in the "Action No. 32405" no mention is made that this tree is marked although it is referred to (Page 295 line 20). Another scar indicating a blaze about 4 feet up from base of tree I opened. Neither did this show

any signs of marks although both blazes look to have been done at about the same time. I counted rings very carefully several times from the chips from both blazes and my result was 29 to the inch with 2-1/4 inches of solid wood, indicating that these marks must have been done very near the year that the original survey was made.

I believe this tree to be the original corner No. 14 of the Petrero Grande, inasmuch as there are no others nor traces of others that might indicate otherwise. Also it was noted that the topography from the range line agreed very closely, also the measurement easterly to the Rio Honda, and the connection with Cor. #16 via the range line and tie.

I now go to the locally recognized corner #3 of the Petrero Grande, identical with No. 1 of La Merced and No. 49 of Felipe Lugo and proceed as follows:

This corner is an iron pipe, 2 inches diameter, firmly set in the ground, under a wire and iron pipe fence. About 18 inches South there is a red cedar post 4 inches square, 18 inches above ground, firmly set but no marks.

Taking line from fence South 28°54' East, I retrace along West boundary of the Felipe Lugo, finding that the topography does not agree very well, or the original notes failed to note the first bank or terrace at place of entering bottom lands. I obtain a distance of 30.60 chains. A deputy in 1876 noted this bank at 35.00 chains and a second bank at 39.50 chains. This one I make 38.50 chains. The original survey for La Merced notes bank of river at 43.47 chains.

The same man on the West boundary of the Felipe Lugo on the line in common with La Merced at 6.33 chains notes "Leave river bottom." This would correspond to 38.47 chains reversed and agrees very closely with my distance to bank and when I enter low river bottom. A measurement to the middle of the main channel of the river at this time would be about 47.00 chains and it is

observed that that channel has possibly varied considerably in later years, at least the indications are that it might flow through anywhere within a width of 10.00 chains after a high water. Diligent search was made for evidence of original corner at proper position also for two corners farther to the westward. However, I did find at a point about 6.00 chains northwest a redwood post, 4 inches square, 18 inches above ground, marked PF on North and 2 on South faces, I later at the office of the County Surveyor found that this corner had been set in a compromise agreement, between Baldwin, Temple and Preager and is indirectly referred to in the "Action No. 32405."

This line and evidence as shown on ground did not indicate much from a technical standpoint for the location of the corner common to the three grants. I now return to the point as noted for the common corner No. 3 of Potrero Grande, No. 1 of La Merced, and No. 49 of Felipe Lugo and retrace easterly along South boundary of Potrero Grande, which is also North boundary of the Felipe Lugo. The first course South 85°45' East 8.81 chains crosses the ranja as indicated in the original notes. However, at the end of the course I was near the middle of the course of the ranja as indicated by a depression in an english walnut orchard. There is nothing here that I can find that would show where the original corner, an elder, had stood. I therefore continue retracement North 45°35' East and at 193.50 chains reported length I find the locally recognized Corner No. 1 of the Potrero Grande bears North 11°30' West 8.85 chains distant, and is an iron pipe, 2 inches diameter, set firm in the ground, also a stake flush with the ground 2 1/4 inches, and supported on either side by 2 granite stones, 15x10x6 inches and 16x10x5 inches; no marks on either of the markers. The indications are that there has been a marsh to the Southwest of this point, and property lines to the northwest indicate that this has been for years recognized as the boundary of the Potrero Grande. A line of telephone poles along fence bears North 77°30' West, the bearing of the original notes. This point is on the North side of the road, bearing North 45°45' East along

North boundary of the Felipe Luge.

I now return to the South boundary of T. 1 S., R. 11 West as surveyed by Mr. Lightfoot, and extend his line as far East as Corner of Sections 3, 4, 33 and 34 as at which corner the original survey recorded <sup>bearing</sup> 61/2 trees, but I find that this position puts me in the middle of a cultivated field of about 20 acres. No traces of old corners are known by local residents. The rest of the corners to the East were reported to be stakes, therefore I abandon line at this point.

Returning to the local corner common to No. 3 of Petrero Grande, No. 49 of Felipe Luge, and No. 1 of La Merced, I retrace westerly along South boundary of Petrero Grande setting temporary corner at intervals according to the original calls between Corners No. 3 and 14, also from same point retrace according to calls along North boundary of La Merced, as far as the point for Corner #33, at which point I find as reported in the Weeks affidavit, that the calls do not follow the ranja and I keep to the right on North bank in order to get an idea of the direction as it flows. I also examine the land to the southward for indications of a possible drain along course as called for in the original notes but without success. I also search very carefully along both of these lines for evidence of old corners or witness, but fail to find anything more than the drainage noted in original surveys.

I also search very carefully along both of these lines for evidence of old corners or witnesses, but fail to find anything more than the drainage noted in the original survey. I also examine the willow accepted by Mr. Lightfoot for Cor. No. 13 of Petrero Grande. This tree or stump is a willow 16 inches diameter, marked about 4 feet from the ground, P013, LN31, L81 and does not indicate marks have been made more than four or five years at most, in fact the blaze has hardly more than started to heal. Although the bearing and distance to Corner No. 14 agrees nearly exactly, I do not believe this to be the original corner,

because I think it has originally been a willow fence post which has probably taken root after being set and thru near middle of which there is a barb wire running and the stump is used at the present time as a post in a short division fence.

There have been numerous surveys in this vicinity made by the County, oil men, and 3 or 4 others in different efforts to locate the Rancho Petrero Chico, and it is therefore at this time hard to verify anything other than what has been accepted as starting points, namely the sycamore tree, township corner, and the point accepted as common to the three grants.

The reason for mentioning the number of different surveys is to show that at least once a possible clue was found that could not be accounted for otherwise than that someone had obtained different results. This particular clue was a willow post lying loose on the ground, about 8.00 chains Southwest of the stump accepted by Mr. Lightfoot as Corner No. 13, marked in a blaze on opposite side PG and PC. This post was lying on the North bank of the ranja, but where it had come from or when marked I could not determine.

Referring to the streams in the locality, the Rio Hondo is a definite stream or channel heading in the foot hills to the northeast and was until recent years rather a narrow channel. A freshet a few years back caused a change in water that formerly swung to the eastward and out through the San Gabriel River but now follow the Rio Hondo. A portion of the summer months the channel is nearly dry.

The water level in this neighborhood and to the northeast and East for a couple of miles or more, is only about 4 feet from the surf and before tiling there were numerous marshes which were drained by small living streams of which the one on the northerly side of the Rancho Petrero Chico was one, and was a definite stream the marshy banks or sides probably being caused by dams that had

been built across it by the early Spanish-American settlers for irrigation purposes during the dry part of the year. One of these dams is near Cor. No. 9, and the other near Cor. No. 6 of Petre Grande. I notice that it is not more than 15.00 chains above Cor. #6 to where the marsh narrows and becomes the outlet for drainage from the northeast.

The channels or streams on the North side of this marsh are all definite and come from one to two miles north, and could hardly be mistaken for the one called for as a boundary of Petre Chico. This stream or marsh is locally known as Mission Creek and was probably rather deep with high banks at the time of the original survey, therefore, called deep (Rio Hondo) in the notes.

The slough or stream on the South boundary is also a definite water course and as far as I could find, no indications that it had occupied other than its present channel. This is further verified in the evidence of the surveyors in their testimony in the "Action No. 32405" and for that reason I did not obtain any other sworn statements. I did make inquiry of men living nearby who probably would remember 30 to 40 years back, they verifying the present position to be the same as long as they could remember.

The channel has had willows nearly all along it from Cor. No. 3 of the Petre Grande, there being several old stumps at the present time along the bed of the stream from 16 to 20 inches in diameter.

From Station #13 of the Petre Grande the course is generally southwest to the Rio Hondo. The stream on the northerly boundary joined the Rio Hondo about 4.00 chains southerly of the line between Stations 13 and 14. However, a line of piling placed by the Flood Control surveys forces both streams to take a parallel course to the Rio Hondo. From my temporary point for Corner #14 as obtained by running the calls of the Petre Grande,

from Cor. No. 3, the old sycamore accepted as Cor. No. 14 bears North  $45^{\circ}25'$  East 10.23 chains. Therefore, I return along the line moving each temporary corner to its proper position and find that the line conforms very closely with Mission Creek on the North side.

Cor. No. 5 in the proportioning moved slightly away from the sanja, while Cor. #6 seemed to be a little too far North judging from the old notes.

From here the line practically stays in the marshy land along Mission Creek until I reach Cor. No. 10 which is about 40 links South of the margin of the marshy bank, showing a little inconsistency inasmuch as the original notes say that Cor. No. 6 is about 1.70 chains South of Mission Creek and Cor. No. 10 is on South bank of same. From Cor. #10 westerly on the true bearing, I reach Mission Creek at 13.50 chains, the original notes calling for 14.50 chains. Cor. No. 11 falls about 30 links South of an old fence line of live willows that was recognized by the Spanish residents as the dividing line between Petrero Chico and Petrero Grande.

This old fence extended farther to the northeast and North of Mission Creek as shown on the Weeks map.

The original notes say that Cor. No. 12 is a willow at East end of a slough. On the true course between Corners 11 and 12, measured from Cor. No. 12, I get the middle of the head of a slough at 3.00 chains, at end of willows extending to the westward. This slough has been partly filled - I have no doubt it is the one originally referred to and that probably the willows have reached as far and possibly farther than my position. Cor. No. 13 falls on the North bank of the sanja and agrees in that respect with the original notes. Therefore after having thoroughly gone over the ground as described in the foregoing, finding that the original Cor. No. 16 of Petrero Grande is in position and that the corner of Township 1 and 2 South, Range 11 and 12 West practically correlates

with Cor. #16, and that Cor. #14 the sycamore tree, in like manner with the township corner, and that Cor. #3 has been perpetuated by local surveyors as evidenced in Action #32405 and further by the tie to the local recognized point for Cor. #1 of Petreoro Grande and that there is no visible evidence or reason to believe that neither the ranja, the South boundary of the Petreoro Chico, nor has Mission Creek on the North changed their channels or course, and that these streams are and have always been recognized as two of the boundaries of the Petreoro Chico, I proceed to make the survey of the Petreoro Chico, and Tract 46 formerly Lots 1 and 1 Sections 32 and 5 Townships 1 and 2 South Range 11 West as outlined in the Commissioner's letter.

After completing the work, I went over the work with one of the claimants, Timoteo Repetto, he also representing Mrs. Elizabeth Barry, and he was apparently satisfied with the results of the location. Pedro Alvitro, another claimant in the northern part was dissatisfied with Cor. No. 10 thinking it would rest on his compromised North boundary as shown on a sketch submitted herewith, but he also stated that deeds had passed and were a matter of record; he also stated that the original line of the Petreoro Chico was on the North side of Mission Creek, the land mark being a tree or stump that his father had shown him. Inasmuch as the Hancock survey definitely states that he is following the South side of Mission Creek, I have no doubt he was holding to old land marks as handed down thru the family regardless of our Government surveys, which I have found to be the case quite frequently among the Spanish-Americans. I also went over the work with Mr. March, he representing the Baldwin interests, and in company with Engineer Weeks, they seemed to be very well satisfied with the results on the ground.

In relation to the lands between my final location and the Rio Grande, probably the little tongue of land referred to by Hancock, I find that it has been taken care of by the Baldwin interests deeding to the Petreoro Chico claimants to the middle

of the Rio Grande, and some slight changes made in the eastern boundaries of their lands as shown on above mentioned blue print.

The fences on the Sanchez claim, Tr 46, are down and do not show on the ground, except the one on the West which conforms practically to the tract as surveyed by me. However this tract has also been taken care of as shown on the blueprint, all interested parties having signed the papers which have not been recorded, but will be as soon as an oil lease expires, which I was told would be soon.

It seemed the principle objection to the Lightfoot survey on the ground, was that it was so far north of the recognized natural boundaries, and the fact that it provided for public land on the north, which of course, was removed by this survey. I obliterated the marks on all of the Lightfoot corners found.

However, the majority of his corners were on cultivated land and had evidently been removed from the fields by the farmers.

Respectfully submitted,

Francis E. Joy  
U. S. Cadastral Engineer