

Volume G 10

#26

FIELD NOTES

OF

The Final Survey of the

Rancho Muniz

M. Torres, Confirmer

BY

R. C. MATTHEWSON Deputy Surveyor.

Under his instructions of July 16, 1859

Survey Commenced July 2, 1859.

Survey completed July 25, 1859.

I, Robert Moore having been appointed compassman in the employment of Robert C. Matthewson, U. S. Deputy Surveyor, do solemnly swear that I will well and faithfully execute the duties confided to me, to the best of my skill and ability.

ROBERT H. MOORE,
Compassman.

Subscribed and sworn to before me this 25, day of
July 1859.

U.S. Deputy Surveyor.

We, John Parker and George W. Wilde do solemnly swear that we will well and faithfully execute the duties of chain carriers that we will level the chain upon uneven ground and plumb the tally pins, whether by sticking or dropping the same, that we will report the true distance to all notable objects, and the true length of all lines we may assist in measuring to the best of our skill and ability.

JOHN PARKER, Chairman,
GEORGE H. WILDE, Chairman.

Subscribed and sworn to before me this 25, day of
July 1859.

U. S. DEPUTY SURVEYOR.

I, George W. Mason do solemnly swear that I will
well and faithfully execute the duties of Axeman, ac-
cording to the instructions given me, to the best of
my skill and ability.

GEORGE W. MASON,
Axeman.

Subscribed and sworn to before me this 25, day of
July 1859.

U. S. Deputy Surveyor.

I George F. Allardt do solemnly swear that I will
well and faithfully execute the duties of Flagman ac-
cording to instructions given me to the best of my skill
and ability.

GEORGE F. ALLARDT,
Flagman.

Subscribed and sworn to before me this 25, day of
July 1859.

U.S. Deputy Surveyor.

Field Notes of the Final survey of the
Rancho Minix situated in Sonoma County, State
 of California, finally confirmed to Manuel Torres,
 and surveyed under instructions from the U.S.
 Surveyor General dated July 16, 1859 by
 Robert C. Matthewson U. S. Deputy Surveyor.

Commenced the survey July 2,
 1859.

Beginning at a post marked M. 1
 in a mound of stone planted on
 the right bank of Russian
 river (Rio San Ygnacio) at its
 mouth.. Thence along the coast
 of the Pacific Ocean with the
 meanders thereof at ordinary
 high tide as follows.

Magnetic Variation $16^{\circ} 5'$ E.

TOPOGRAPHY.

1	N. $63\frac{1}{2}$ W.	13.50	Set a post marked M. 2
2	N. $70\frac{3}{4}$ W.	13.00	Cross mouth of arroyo 10 links
			wide course S. 20 E.
		14.20	Indian Huts 1 chain to right
			road leading to Fort Ross now
			leaves the beach and bears
			N. 35 W.
		39.00	
3	N. $46\frac{1}{2}$ W.	52.00	Cross mouth of arroyo 10 links
			wide course S.W.

		82.70	Cross mouth of arroyo 30 links wide course S. 20 W.
		84.20	To a rock 50 links in diameter and 30 links high.
4	N.66 W.	24.40	Set a post marked M. 5. At this place a high rocky point, bears into the Ocean S. 65 W. distant 3 chains.
July 26, 1859.			
5	N.18 ³ / ₄ W.	21.60	To station.
6	N.51 ³ / ₄ W.	107.70	Cross mouth of arroyo 5 links wide course S. 30 W.
		108.30	Set a post marked M. 7.
7	N.55 ³ / ₄ W.	44.00	To station.
8	N.66 ³ / ₄ W.	37.40	To station
9	N.38 ¹ / ₂ W.	15.00	To station
10	N.62 ¹ / ₂ W.	15.30	
11	N.80 W.	17.80	To station
12	N.53 ³ / ₄ W.	29.80	Set a post marked M. 13.
13	S.81 W.	19.50	To station
14	N.75 ¹ / ₂ W.	13.80	To station
15	N.49 W.	3.00	Cross mouth of arroyo 10 links in course S. 33 W.
		17.70	To station
16	N.65 ¹ / ₂ W.	9.60	Cross mouth of Arroyo 20 links wide course S.W.
		25.10	to station
17	N.6 ³ / ₄ W.	11.50	to station
18	N.68 W.	15.00	To station
19	N.10 W.	17.60	
20	N.74 ³ / ₄ W.	3.00	Cross fence course N.E.
		7.00	Cross mouth of arroyo 20 links wide course S.W.

		11.70	To station
21	S.67½ W.	7.60	To station
22	N.63½ W.	8.00	Cross fence course north
		8.90	Set a post marked M. 23
			Wednesday July 27, 1859.
23	N.14 W.	13.30	To right bank of an arroyo at its mouth (20 links wide) course S.20 W. where I set a post marked M. 24 from which a Fishermans house bears N.68 W. 130 links distant From this post I run to the establishment of Fort Ross and its Out houses and so forth as follows
	N.26½ W.	4.80	The Potato Ware house bears S. 45 E. 10.70 chains
		5.85	To an octagonal Watch Tower 37 links in diameter. Thence along the Stockade.
	N.24 E.		To the old chapel
	N.61½ W.	0.79	Crosses Picket fence course N. 6 E. Indian Rancheria is 9 chains to the right
		4.29	To an octagonal Watch Tower 37 links in diameter.
	S.24½ W.	2.90	To Wm. Benitz's Dwelling house
		4.04	Leave the dwelling house.
		4.83	To a corner of the Stockade Bath house bears N.66 W. 195 links

	S.63 E.	4.30	To the first mentioned watch tower
24	S.56½ W.	8.80	To station
25	N.47½ W.	12.00	Cross mouth of arroyo 15 links wide course S. 15 W.
		16.50	To station
26	S.47 W.	11.20	To station
27	S.12½ W.	11.20	
28	N.76¾ W.	6.40	
29	N.28½ W.	6.10	The old Russian Wind Mill bears N.51½ E.
30	N.69¾ W.	12.00	Set a post in mound of stone marked M.31 from which the middle of a large apple orchard bears N. 46 E.
31	N.8 E.	17.30	Crosses mouth of Arroyo 10 links wide course S.W.
		17.80	The wind mill bears S. 82½ E. the middle of the orchard bears N.56 E.
32	N.49¾ W.	6.40	To station
33	N.79½ W.	3.00	A spring is four chains to the right
		12.20	To station
34	N.4½ W.	10.90	To station
35	N.64 W.	21.90	To station
36	N.37½ W.	7.00	To fence course N. 70 E.
		12.30	To station.
37	N.43 E.	6.10	To station
38	N.67 W.	4.70	Crosses mouth of Fresh water arroyo 20 links wide course S. 25 W.

		18.60	To station
39	N. $44\frac{1}{2}$ W.	6.50	To station
40	N. $37\frac{1}{2}$ E.	11.70	To station
41	N. $2\frac{1}{2}$ E.	13.60	To fence course N. 30 E.
		14.90	To station
42	N. $81\frac{1}{2}$ W.	3.00	Crosses fence course N. 32 E.
		6.70	Kohlmer's house is 5.80 chains to the right
			Enters pine woods.
		15.10	To station
43	N. $30\frac{1}{2}$ W.	10.30	Crosses mouth of arroyo 15 links wide course S. 20 W.
		13.40	Wm. Parks house bears N. 43 E. 3.40 chains
44	N. $52\frac{3}{4}$ W.	8.30	To a pine tree 27 in diameter which I marked M. 45 From which Lucas and Woods Steam Saw Mill bears N.W. 75 links
45	S. $71\frac{1}{2}$ W.	2.00	Crosses mouth of the Saw Mill Arroyo 20 links wide course S.
		14.00	Leave pine woods
		21.20	To station
46	N. 9 W.	24.90	To a pine tree 12 inches diameter at a rail fence which I marked M. 47 course of fence is N. 60 E.
47	S. $89\frac{1}{2}$ W.	3.00	Crosses mouth of arroyo 12 links wide course
		12.00	An old house is 9 chains to right
		15.40	To station
48	N. $37\frac{1}{2}$ W.	27.90	Crosses mouth of arroyo 10 links wide course S.

31.40 Set a post marked M. 49 from which a pine tree 2 ft. diameter marked B. T. M. 49 bears S. 28 E. 10 links

49 N. 54 W. 8.00 To a pine tree 27 inches which I marked M. 50 also T. 8 N. R. 13 W. F. S. 15 from which another pine 2 ft diameter marked B. T. M. 50 bears N. 74 W. 19 links

Thursday July 28, 1859.

Thence leaves the Pacific Coast and along legal subdivisions of the U.S. Surveys

50 East 4.20 Crosses road course S. 60° E. and N. 60 W.

7.44 Crosses arroyo 10 links wide course S. 10° E. and ascend

11.30 Blanchard's house is 20 links to the left

13.00 T. N.W. corner of Blanchard's Barn crosses fence course N. 65 W.

18.37 Enters pine and Redwood Forest

25.00 To top and descends

26.75 Crosses fence course S. 15 E. and N. 15 W.

33.60 Set a post 4 inches square near a large madrona tree 25 links to the left I marked the post T. 8 N. R. 13 W. F. S. 14-15 and M. being 20 chains S.

of corner sections 10-11-14-and
15
34.60 Crosses road course S. 12 E. and
N. 12 West.
43.10 Crosses arroyo 5 links wide
course S. 30 E. and ascends
55.00 Crosses road course N. 10 E.
S. 10 W. and descends
66.60 Crosses arroyo 20 links wide
course S. 20 W. and ascends.
13.60 Set a post on steep chaparral
hillside which I marked T. 8 N.
W. B. W. F. S. 14 and M.
82.00 Crosses road course S. 15 W.
N. 15 E.
85.00 To top and descends
88.50 Crosses arroyo 5 links wide
course south and level
101.00 Leaves forest enters thick
chaparral
107.60 Set a post marked M. in a dry
lagoon 2 chains in diameter
Friday July 29, 1859.

109.10	Leave dry Laguna
113.60	Set a charred post in mound which I marked T. 8 N. R. 13 W. F. S. 13 and 14 and also M. being 20 chains S. of corner sections 11-12-13-14
115.10	Enter pine and Redwood Forest
129.00	Begin to ascend.
133.60	To top and descend.
135.90	Crosses arroyo 10 links wide course S.W. and ascends
143.60	To top and descends
153.60	To an oak 4 in. diameter on south slope which I marked T. 8 N.R. 13 W. F. S. 13 and M.
155.60	Cross arroyo 20 links wide course S. 25 W. and ascends.
193.60	Set a post in mound which I marked T. 8 N. R. 13 W. on the W. side T. 8 N. R. 12 W. on the E. side and F. S. 13-18 on the N. side also M. on the S. side being 20 chains S. of corner sections 7-12-13 and 18 and Descends.
203.60	To top and descends
209.85	Crosses arroyo 15 links wide course S. 20° E. and ascends
215.10	To top and descends
221.85	Crosses arroyo 12 links wide course S. and ascends

227.60 To top and descends
 233.60 Set a post in mound marked T. 8
 N. R. 12 W. F. S. 18 and M.
 from which an oak 8 inches
 marked B. T. T. 8 north R. 12 W.
 F. S. 18 M. bears S. 10 E.
 44 links.
 233.10 Cross arroyo 6 links wide course
 S. and ascends
 238.60 To top and descends
 241.10 Crosses arroyo 15 links course
 S. W. and ascends.
 243.60 Forest ends thence through
 heavy underbrush
 249.60 Leaves underbrush and ascends
 a spur covered with wild oats
 262.60 To top and level. Enter
 Scattering oak on Main Ridge
 273.60 Set a post in mound marked
 T. 8 N. R. 12 W. F. S. 17-18
 and M. from which an oak 2 ft.
 diameter marked B.T. T. 8 north
 R. 12 W. F. S. 17-18 M. bears
 S. 35 E. 54 links
 Leave scattering oak and across
 main ridge.

Saturday July 30, 1859.

279.60 Hendry's house bears S. 20 E.
 13.90 chains
 286.60 To brow of hill and descends
 main ridge
 294.35 Crosses arroyo 5 links wide

course N.E. and ascends
 297.60 To top of small spur and de-
 scends Redwoods begins
 313.60 To a redwood tree 20 in. dia.
 which I marked T. 8 N. R. 12
 W. F.S. 17 and M.
 314.85 Crosses arroyo 10 links wide
 course N. and ascends.
 319.00 Set a post on a spur which I
 marked T. 8 N. R. 12 W. F. S.
 17 and M. 51
 from which a Redwood tree 3 ft.
 diameter marked B. T. T. 8
 N. R. 12 W. F. S. 17 and M. 51
 bears N. 68 E. 33 links and
 another redwood 4 ft. in diam-
 eter marked the same, bears
 S. 29 E. 40 links

Monday August 1, 1859.

Thence through scattering redwood
 and oak over wild and un-
 frequented country.

51 S. 54 E. 15.00 To top of spur and descends
 35.90 Crosses fresh water arroyo 15
 links wide course N.E. and
 ascend
 45.35 To a group of rocks and de-
 scends
 The Walhalla Creek is 3 chains
 to left its general course
 from this point being N. 30 W.

59.90	Cross arroyo 5 links wide course N.E. and ascend
67.30	To top and descends
71.04	To middle of the Walhalla Creek 50 links wide course N.10 W. and comes down from the S.W. Leaves scattering redwoods and oak and ascends a Wild oak spur.
79.20	To an oak 2 ft. diameter which I marked M.
94.00	To top of the spur and across the heads of small gulches
123.75	To highest spur and descend over wild oats.
135.23	To middle of the Walhalla Creek 60 links wide course S. 50 west and ascends through scattering timber up a large spur.
158.40	Set a post marked M.
189.00	To the main ridge and the same
237.60	To a madrone tree 2 ft. diameter which I marked M. on highest point of main ridge- and descends the same
242.50	Set a post marked M. General course of the main ridge at this place is S. Tuesday Aug. 2, 1859. The line now enters a very dense forest of pine, redwood and so forth

271.25	Cross fresh water arroyo 5 links wide course N. 70° E. and ascends
279.70	To top of a spur and descends
293.00	The above arroyo is 40 links to the left and 20 links wide Here a very steep and rocky spur comes down to the creek from the left.
307.00	to top of spur and descends
316.30	Crosses fresh arroyo 25 links wide course S. and ascends
316.80	To a redwood tree 4 ft. in diameter which I mark M.
340.50	To top of spur and descends
353.00	Crosses fresh water arroyo 10 links wide course N. 80 W. and ascends
371.25	To top of spur and descends
373.60	Crosses dry arroyo 10 links wide course S.W. and ascends
377.70	To top of spur and descends.
380.40	Crosses fresh water arroyo 10 links wide course S. and ascend
387.60	To top of spur and descends
392.00	Crosses dry arroyo 8 links wide course S. and ascends
396.00	To an oak 6 inches diameter which I marked M. and descends
398.75	Crosses fresh water arroyo 8 links wide course S. 12 W. and

Rancho Muniz.

ascend

416.80 To top of spur where I set a
post marked M. and descend

421.75 To bottom and descend.

Wednesday August 3, 1859.

425.50 To top of a main spur and de-
scend marked a madrona 12 in-
ches M.

Leave Forest and down a spur
of Wild Oats..

447.50 Enter redwoods.

459.90 Cross fresh water arroyo 20
links wide course S. 20 W. and
ascends

468.30 Leave redwoods and over wild
oats

475.20 To a laurel 6 inches diameter
which I marked M.

483.00 To top of spur and descends

487.00 Enter redwoods

490.00 To bottom and ascends

497.50 To top of spur and descend

521.60 Crosses dry arroyo 15 links
wide course S. 10 W. and
ascends

524.70 To top of spur and descends

531.60 Crosses dry arroyo course S.30
W. (15 links wide) and
Ascends.

537.10 To top of spur and descends.

540.00 Crosses fresh water arroyo 25
links wide course S. 70 W. and

ascends.

556.40 To top of spur and descends

558.40 Crosses fresh water arroyo 5
links wide course N.30 E. and
Ascends.

563.00 Leave redwood and then through
chaparral

587.00 To top of spur and descends
through dense forest of pine
and redwoods.

Thursday Aug. 4, 1859.

600.50 Crosses dry arroyo 8 links wide
course S. and ascends

613.80 To top of spur and descends

628.00 Crosses fresh water arroyo 25
links wide course S. 10 W. and
ascends.

633.60 To an oak 30 inches diameter
which I marked M.

642.50 To top of spur and descends

688.30 Crosses dry arroyo 5 links wide
course E. and ascends.

698.00 To top of spur and descends

705.00 Crosses fresh water arroyo
5 links wide course N.E. and
ascends.

709.80 To top of spur and descends

712.80 To an oak 16 inches diameter
which I marked M.

731.35 Crosses fresh water arroyo 25
links wide course S. 20 E. and
level.

Friday August 5, 1859.

735.35	Crosses branch of above arroyo 20 links wide course S. 55 W. and ascends.
762.30	To top of a large spur and descends.
779.90	Crosses dry arroyo 5 links wide course N.E. and Ascends
787.00	To top of spur and descends
792.00	Crosses dry arroyo 8 links wide course N. 20 E. and Ascends, also marked an oak 8 inches diameter on bank of arroyo M.
797.00	Leaves forest of redwood and so forth thence through scatter- ing timber
800.40	To top of spur and descends
825.40	Crosses dry arroyo 15 links wide course E. and ascends
829.10	To top of spur and descends
831.60	Crosses dry arroyo 5 links wide course N.E. and ascends
839.50	Leave scattering timber and over grassy hill
842.50	To top where I set a post marked M. John Orr's house bears N.67 E. and descends to Russian River
953.38	John Orr's house bears N. 37 ³ / ₄ E.
857.30	Crosses Orr's arroyo 15 links wide course S. and level

867.20

To the right bank of Russian River where I set a post in mound of stone marked M. 52 from which a Pine tree 6 inches diameter marked B. T. M. 52 bears N. 50 W. 434 chains (The river of this point is 5 chains wide)

Saturday Aug. 6, 1859.

Thence along the right bank of Russian River at ordinary high water mark, with the meanders thereof as follows.

52 S. 63 W. 26.00

To a white alder 8 inches diameter which I marked M. 53. River is 7 chains wide

53 S. 61 $\frac{1}{2}$ W. 27.50

Crosses mouth of arroyo 10 links wide course S. 10 E.

48.50

Set a post marked M. 54.

54 S. 62 W. 33.70

Set a post marked M. 55 -

55 N. 54 $\frac{3}{4}$ W. 48.90

56 N. 72 $\frac{1}{2}$ W. 47.20

To an alder 12 in. diameter which I marked M. 57 on left bank of a fresh water arroyo at its mouth

The arroyo is 25 links wide course S. 20 E.

A. Shepard's house bears N. 13 $\frac{1}{2}$ W. 6 chains.

Monday Aug. 8, 1859.

57 S. 64 $\frac{1}{2}$ W. 19.30

End of a densely covered

			with chaparral- Island lies opposite
58	S. $9\frac{1}{2}$ W.	19.60	To station
59	S. $0\frac{1}{2}$ E.	20.90	To station
60	S. 15 W.	5.00	To station
61	S. $38\frac{1}{2}$ W.	21.90	The lower end of above Island lies opposite
62	S. 61 W.	7.90	To station
63	S. 80 W.	2.50	To station
64	N. $76\frac{1}{2}$ W.	11.10	To station
65	N. 62 W.	5.50	To station
66	N. $44\frac{1}{2}$ W.	5.00	To station
67	N. $31\frac{1}{2}$ W.	5.00	Set a post marked M. 68 River is 9.80 chains wide Tuesday Aug. 9, 1859.
68	N. $11\frac{3}{4}$ W.	30.25	Crosses mouth of arroyo 20 links wide course S.W.
		40.50	To station
69	N. $30\frac{3}{4}$ W.	3.00	Upper end of an Island lies opposite
		12.00	Crosses mouth of arroyo 10 links wide course S.W.
		30.70	To station at mouth of arroyo 60 links wide course S.W.
70	N. 73 W.	22.30	To station
71	S. $88\frac{1}{2}$ W.	18.60	Lower end of above Island lies opposite
		20.60	To station
72	N. 61 W.	2.75	Crosses mouth of arroyo 10 links wide course S.
		33.80	To the place of beginning

containing 17.760-75 Acres
¹⁰⁰
 Completed Survey Wednesday
 August 10, 1859.

Connection with U.S. Surveys
 Beginning at the meander
 post on the Pacific Coast on
 line between townships 6 and 7
 N. R. 11 W. marked on the
 north side R. 11 W. T. 7
 North P. S. 32 and on the S.
 side R. 11 W. T. 6 N. P. S. 5
 which meander post is 12.98
 chains W. of corner sections
 4-5- 32 and 33; and is the
 nearest post which after a dili-
 gent search could be found
 From thence I run across the
 Table lands on the coast

N.14 E.	11.00	
N.17½ W.	10.50	
N.24½ W.	173.10	Right's ranch house is 19 links to the right.
N.35½ W.	38.00	To brow of hill and descends to Russian River.
N.60½ W.	25.55	
N.16½ W.	4.02	
N.35½ W.	17.00	
N.11¾	10.00	to sand bar across mouth of the river and then along the same
	11.50	

N. $25\frac{1}{2}$ W.	14.50	The sand bar is $2\frac{1}{2}$ chains wide.
N. $16\frac{1}{2}$ W.	13.00	The sand bar is 4 chains wide
N. $35\frac{3}{4}$ W.	9.00	
N. $26\frac{3}{4}$ W.	10.00	To corner post marked M. 1 at the mouth of the Russian River on its right bank.

33.17

July 25, 1859.

WE DO HEREBY CERTIFY, that we assisted Robert C. Matthewson U. S. Deputy Surveyor in surveying the boundary lines of the Rancho "Muniz" situated in the County of Sonoma in the State of California, and finally confirmed to Manuel Torres and that said Rancho has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments established according to the laws of the United States, and the instructions of the Surveyor-General.

ROBERT H. MOORE	Compassman
JOHN PARKER	Chainman
GEORGE H. WILDE	Chainman
GEORGE W. MASON	Axeman
GEORGE F. ALLARDT	Flagman.

Subscribed and sworn to before me, this 15, day
of August 1859.

U.S. Deputy Surveyor.

I, Robert C. Matthewson, U.S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from J. W. Manderville, U.S. Surveyor-General for the State of California, bearing date the 16, day of July 1859 and in strict conformity to the laws of the United States and the said instructions from the Surveyor-General I have well and faithfully surveyed the boundary lines of the Rancho "Muniz" situated in the County of Sonoma in the State of California, and finally confirmed to Manuel Torres and I do further solemnly swear that the foregoing are the true and original field notes of said survey.

ROBERT C. MATTHEWSON,
U.S. Deputy Surveyor.

Subscribed by said Robert C. Matthewson U.S. Deputy Surveyor, and sworn to before me, a Notary Public in and for the County of San Francisco in the State of California, this 25, day of January 1860.

E. P. PECKHAM,
Notary Public.

(SEAL)

U. S. SURVEYOR-GENERAL'S OFFICE.
San Francisco, California.

I hereby certify that the foregoing transcript has been correctly copied from the original field notes as the same appear of record and on file in this office.

In testimony whereof I have hereunto signed my name officially and caused my seal of office to be affixed this 31, day of August 1882.

W. H. BROWN,
U.S. Surveyor-General,
for California.

(SEAL)