

1697<sup>a</sup>

check D.M.'s & D.P.'s

G. & B. SURVEY  
L. & A.  
MAY 16 1928  
Acc. No.

1697<sup>a</sup>

Form 504  
 DEPARTMENT OF COMMERCE  
 U. S. COAST AND GEODETIC SURVEY

State: California  
11-5613

---

DESCRIPTIVE REPORT.

Topog. Sheet No. (10) 1697<sup>a</sup>

---

LOCALITY:

San Pablo Bay  
(South Shore)

---

Pt. Wilson to Oleum

---

21  
1928

---

CHIEF OF PARTY:

O. W. Swainson

Revision survey from Point Wilson to Lone Tree Point.

1. The revision survey from Point Wilson to Lone Tree Point was started on November, 16th, 1921 and finished November, 23rd, 1921. The work was done from Vallejo as a base as living conditions at both Rodeo and Hercules were poor.
2. The changes in the length and position of docks is perhaps the most important work shown on the sheet. Other prominent locations are, the schools at Pinole and Rodeo, prominent white house to left of Pinole school, tall water cooler south of Hercules unloading dock, and tanks at Oleum.
3. The shore line remains practically the same as the S.P. rock ballasted lines constitute the shore line for the most part. However, the numerous little points jutting out have been eroded as shown. At Pinole the shore line has advanced seaward some distance. The tendency from Point Richmond to Lone Tree Point seems to be for bights and indentations to fill up, and swamp land to form.
4. A traverse was run from Point Wilson to Lone Tree Point, a distance of 35 statute miles. The error of closure was 22 meters, mostly in azimuth. This was distributed proportionally thruout the traverse. From several stations I ran short traverses for the purpose of locating prominent objects etc, either checking up by closure or 3 point fix.
5. In regards to changed names, Hercules dock should be substituted for Refugio landing as the latter is seldom used. On the bromide and also on the chart between Lone Tree Point and Oleum, a railroad station Tormey is shown. There is a station Tormey but as far as I could find out it never existed as shown on the 1886 chart. Tormey is the name of the town shown on the chart as El. Cierbo, and as nobody now refers to it by El Cierbo that name should be supplanted by Tormey.
6. With this sheet as a supplement is enclosed a blue print map of the Hercules plant on a scale of 1" = 500'. This survey was made by dividing the plant off in squares and then by chains locating details. Four objects are marked on both the bromide and blue print for orientation. They are A, house over end of dock; B, oil tank; C, water cooler; D, water cooler.

*L. M. Mower*  
L.M. Mower,  
Jr. H&G Engineer.

*These values should be checked  
OAS*

Plane table positions.

<u>Subjects and descriptions.</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>
Red tank.	38-00	877	122-18	116
End of house at end of dock.	"	1480	122-17	1232
Tank.	"	1566	"	880
Tower, Pimole School.	"	723	"	268
Center of white house on hill.	"	919	"	203
Water cooler.	"	1282	122-16	1430
Tide house, end of Hercules dock.	38-01	750	122-17	773
Outer oil tank on bluff.	"	468	"	248
Sign on end of unloading dock.	"	1277	122-16	1270
Tower on center water cooler.	"	558	" v	472
T <sup>Tower</sup> Rodeo School.	"	1678	"	200
Red tank.	"	1785	"	286
Ticket house, Rodeo Ferry dock.	38-02	894	"	500
Center of Rodeo station.	"	558	"	218
Town flagstaff.	"	436	"	163
Black tank.	"	74	122-15	1068
White Silo.	"	885	122-14	1364

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

*Field no 10*

Register No. 1697 <sup>a</sup>

State CALIFORNIA . . . . .

General locality SAN. PABLO BAY. — South Shore. . . . . .

Locality PT. WILSON TO. <sup>Oleum</sup> ~~LONE TREE POINT~~ . . . . .

Chief of party Q. W. SWAINSON. . . . . .

Surveyed by L. M. MOWER. . . . . .

Date of survey NOV. 1921 . . . . .

Scale 1:10000 . . . . .

Heights in feet above . . . . .

Contour interval . . . . . feet.

Inked by L. M. MOWER . Lettered by L. M. MOWER. . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report  Horizontal angle books, Field computations,

Data from other sources affecting sheet BLUE PRINT MAP OF

HERCULES POWDER WORKS

Remarks: *See accompanying sheet.*