

4859

U. S. COAST & GEODETIC SURVEY
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SEP 10 1934

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Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

~~XXXXXXXXXX~~

Sheet No. **K 4859**

State California

LOCALITY

Santa Barbara Channel

Coal Oil Pt. to Naples

1934

CHIEF OF PARTY

C.K. Green

U. S. GOVERNMENT PRINTING OFFICE: 1934

4859

applied to drawing of Chart 5202 - Mar 1936 E.M.J.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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SEP 10 1934

TOPOGRAPHIC TITLE SHEET

Acc. No. _____

REG. NO. 4859

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter K

REGISTER NO. **4859**

State California

General locality Santa Barbara Channel

Locality 02' 01' PT TO 11' 11' north shore (long 119-51 to 120-00)

Scale 1-10,000 Date of survey May-June, 19 33

Vessel shore party

Chief of Party Chas. K. Green

Surveyed by Harry T. Kelsh

Inked by Harry T. Kelsh and J. L. Ullman

Heights in feet above H.W. to ground to ~~tops of trees~~

Contour v Approximate contour Form line interval 50 feet

Instructions dated October 31, 1932, 19

Remarks: _____

Descriptive Report
to accompany
Topographic Sheet 'K'
N. Shore Santa Barbara Chan.
California

INSTRUCTIONS

October 31, 1932

LIMITS AND SCALE

This sheet embraces the north shore of Santa Barbara Channel from Coal Oil Pt. to two miles west of Naples, and includes the general vicinity of the Elwood Oil field. (General limits of sheet 119-51 W to 120-00 W.)

The scale is 1-10,000

GENERAL DESCRIPTION

The shoreline shown on this sheet consists mainly of a straight shoreline extending from Coal Oil Pt. in a general WNWly direction, without bays or bights, and formed by a generally continuous line of low cliffs 60-70 ft in height, with a small strip of sand beach at the base.

Back of the cliffs a flat mesa extends gradually rising into the foothills with elevations of 3-600 ft. The foothills run as long ridges at right angles to the trend of the beach, and forming narrow canyons extending for a considerable distance back from the shoreline.

At the extreme east end of the sheet however the hills swing away from the shore, leaving a large area of nearly flat land, with dirt cliffs of only approximately 30 ft. in height, forming the shoreline, with a little wider strip of sand beach in front.

Coal Oil Pt. here marks the only decided bend in the shoreline on this sheet. A pier 300 meters long extends out from the point with two high derricks.

Inshore from this point the former topographic work shows a laguna of considerable extent. This has been partially developed into a shallowlake of smaller size, with a gate at the outer end. When left open to drain with the tide the inshore end of this pond goes dry.

Two miles to the westward there is a very considerable oil development, with many piers and derricks. The shore area is largely controlled by the Barnsdall Oil Co. (Map of offshore lease area attached to sheet).

West of this section there is little artificial development other than for farming purposes. One high oil derrick stands on the edge of the cliff at Naples.

The Southern Pacific R.R. and the Coast Highway parallel the shoreline for the entire length of the sheet.

SPECIAL NOTES

The pier at Coal Oil Pt. with the derrick on the end is conspicuous. It constitutes the chief offshore danger on this sheet, as fishing boats running between Santa Barbara and Gaviota run close to this point.

There are also the numerous piers at Elwood but this

section is well lighted, due to the general activity in the field.

Off Naples the low water line extends out about 150 Meters, which is the maximum for the sheet, and flat ledges show up at the extreme low water limit.

A mile farther west there are a few half tide rocks but the outermost are within 100 meters of the shore.

LANDMARKS

The derrick on the end of the pier at Coal Oil Pt. is prominent.

The high lone derrick at Naples is also conspicuous.

There are a number of large tanks at Elwood, but the development is too general over a considerable area, so that no single object stands out especially.

CONTROL

Five triangulation signals located evenly along the coastline gave very ample control, and short traverses were run between these stations. No adjustment necessary.

GEOGRAPHIC NAMES. H.B. Sept. 17, 1934.

Elwood is the name given to the oil field development. This name appears on the present chart 5202.

Naples. This name also appears on the chart, but not on the previous topographic work. It consists merely of a railroad station, one oil derrick and several small houses.

CHANGES IN SHORE LINE None.

CONTOURING The contouring was done at the time of the original survey by occupying all the hilltops, and with many intermediate stations. The numerous small barrancas and minor details of topography are more correctly shown than is possible by observation mainly from the shoreline. The contours shown on the present sheet should be considered therefore mainly as a general check on the previous work, and to show small changes near seacoast due to fills for railway across the various canyons etc.

Hy. T. Kelson
Surveyor

Chas. H. Green
Chief of Party

Santa Barbara, Calif.,
August 30, 1934.

Topographic Sheet "K", submitted herewith, has been inspected
and approved by me, together with data listed below.

List of data forwarded with Topographic Sheet "K"

Title Sheet ✓

Descriptive Report ✓

4 Description of recoverable Topographic stations ✓

1 print of Elwood Oil Field

Chas. K. Green

Chas. K. Green,
Chief of Party #10.

To: Mr. Bacon.
From: L. S. S.

GEOGRAPHIC NAMES

Survey No. _____ T 4849

Date. September 15, 1934.

California

Chart No. 5202

Diagram No. 5202-2

Names underlined in red are approved

H.B. Sept. 17, 1934.

* Approved by the Division of Geographic Names, Department of Interior. A.D. Sept. 17, 1934.

~~✓~~, Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

[illegible]

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4859 (1933) - FIELD LETTER K

Coal Oil Pt. to Naples, Santa Barbara Channel, California

Surveyed May - June, 1933

Instructions dated October 31, 1932 (C. K. Green)

Plane Table Survey

Cloth Mounted

Chief of Party - C. K. Green.

Surveyed by - H. T. Kelsh.

Inked by - H. T. Kelsh and S. L. Ullman.

1. Condition of Records.

The records conform to the requirements of the Topographic Manual with the following exceptions:

- a. Notes regarding rocks were referred to L. W. These were changed to M. L. L. W. by authority of the Chief of Party.

2. Compliance with Instructions for the Project.

The survey complies with the instructions in every respect.

3. Junction with Contemporary Surveys.

Satisfactory junction was made with T-4858 (1933) on the east and with T-4880 (1933) on the west.

4. Comparison with Prior Surveys.

a. T-1267 (1871).

The high water line of this survey is in good agreement with the present survey except at the mouth of Tecolote Canyon, long. $119^{\circ}55'$, where the beach has built out about 70 m. This survey does not show any of the offlying rocks. The new survey has a low water line as much as 75 meters farther out than formerly shown. The docks and other construction have all been built since the time of the former survey.

b. T-1247 (1871).

This survey is in good agreement with the present survey along the high water line. The new survey shows the low water line farther out and also shows several rocks not located on this survey.

5. Field Drafting.

The field inking is satisfactory.

6. Additional Field Work Recommended.

No additional field work is required.

7. Superseding Old Surveys.

Insofar as the topography actually included on the present survey is concerned, it supersedes the following surveys for charting purposes:

T-1247 (1871) in part.

T-1267 (1871) " "

8. Reviewed by - A. F. Jankowski, January, 1935.

Examined and approved:

C. K. Green, *C. K. Green*
Chief, Section of Field Records.

L. D. Lobnitz
Chief, Division of Charts.

F. B. Borden
Chief, Section of Field Work.

G. W. Wade
Chief, Division of H. & T.