

9204

Diag. Cht. No. 1287

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-36(48)D Office No. T-9204

LOCALITY

State TEXAS

General locality LAGUNA MADRE

Locality MESQUITE RINCON

19~~4~~ 52

CHIEF OF PARTY

G.E. Morris, Jr., Chief of Party.

H.A. Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Oct 15 - 1953

B-1870-1 (1)

9204

DATA RECORD

T -9204

Project No. (II): Ph-36(48)D

Quadrangle Name (IV):

Tres Marias

Field Office (II): Brownsville, Texas

Chief of Party: George E. Morris, Jr.

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III): 14 February 1949

Copy filed in Division of
Photogrammetry (IV)

Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): none

Date received in Washington Office (IV)

JAN 30 1951

Date reported to Nautical Chart Branch (IV):

2-5-51

Applied to Chart No. 895

Date: 12-26-51

Date registered (IV):

7-30-53

Publication Scale (IV):

1:20 000

Publication date (IV):

1952

Geographic Datum (III):

N. A. 1927

Vertical Datum (III):

MHW

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III):

MARSH, 1949

Lat.: 26° 56' 42.572" (1310.2m)

Long.: 97° 33' 48.124" (1327.5m)

Adjusted
Unadjusted

Plane Coordinates (IV):

State: Texas

Zone:

South

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

27°00'00"

97°37'30"

| | | | | | | | | | |
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PLANIMETRIC

26°52'30"

Areas contoured by various personnel
(Show name within area)
(II) (III)

97°30'00"

DATA RECORD

Field Inspection by (II): William M. Reynolds

Date: March 1950

Planetable contouring by (II): ~~See report for T-9205~~ None

Date:

Completion Surveys by (II): W. H. Shearouse

Date: 7 JAN, 1952

Storm water
~~Mean High Water~~ Location (III) (State date and method of location):

Area of Mesquite Rincon: 1950 - By field inspection

~~Shoreline of Laguna Madre: 1948 - by office interpretation~~

Projection and Grids ruled by (IV): TLJ

Date: 4-22-50

Projection and Grids checked by (IV): HDW

Date: 4-25-50

Control plotted by (III): M.F. Kirk

Date: 7-7-50

Control checked by (III): J.W. Vonasek

Date: 7-10-50

Radial Plot or Stereoscopic

~~Control extension~~ by (III): F.J. Tarcza

Date:

8-22-50

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. Councill

Date: 1-4-51

Photogrammetric Office Review by (III): R. Glaser

Date: 1-17-51

Elevations on Manuscript
checked by (II) (III): R. Glaser

Date: 1-17-51

Camera (kind or source) (III): USC&GS Type "0" Single lens camera focal length, 6 inches

| Number | Date | PHOTOGRAPHS (III) Time | Scale | Stage of Tide |
|---------------------------------|---------|---------------------------|----------|--|
| 48-0-1341 to 48-0-1344 incl. | 12/8/48 | 1303-1304 | 1:20,000 | |
| 48-0-1409 to 48-0-1412 incl. | 12/8/48 | 1413-1414 | " | Negligible <i>See Remarks*</i> |
| 48-0-1906 to 48-0-1912 incl. | 12/9/48 | 1421-1423 | " | |

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| | | |
| | | |
| | | |

Washington Office Review by (IV): *C. Hanarich*
Final Drafting by (IV): *M. Webber*
Drafting verified for reproduction by (IV): *W.O. Hallum*
Proof Edit by (IV): *W. Steffler*

Date: *19 June 1952*
Date: *1-14-53*
Date: *1-19-53*
Date: *2/16 53*

Land Area (Sq. Statute Miles) (III): *44 sq. mi*
Shoreline (More than 200 meters to opposite shore) (III): *35 mi*
Shoreline (Less than 200 meters to opposite shore) (III): *15 mi*
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): *7* Recovered: *6* Identified: *6* #
Number of BMs searched for (II): *8* Recovered: *8* Identified: *8* **
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks:

* LOLA WINDMILL 1950 is outside project limits (III)
** BM 36 falls on Survey T-9206 (III)
** SAN PEDRO 1949, and PTS No 46 W, USGS, 1920, plot W of sheet limits.*
*** In addition to above, 7 benchmarks established by the Humble Oil & Refining Co., were recovered & identified.*

** There is no tide in this area; the water found in the sand and mud flats area is due principally to the wind and other meteorological conditions.*

Summary T- 9204.

Project Ph-36(48) consists of fifty-two quadrangles at 1:20,000, each 7.5 minutes in latitude and longitude, covering the Gulf Coast of Texas and the Intracoastal Waterway from Aransas Bay to Brownsville and the Mexican Border. Adjoining the project to the north is a series of shoreline surveys in Part IV of Project Ph-14(46).

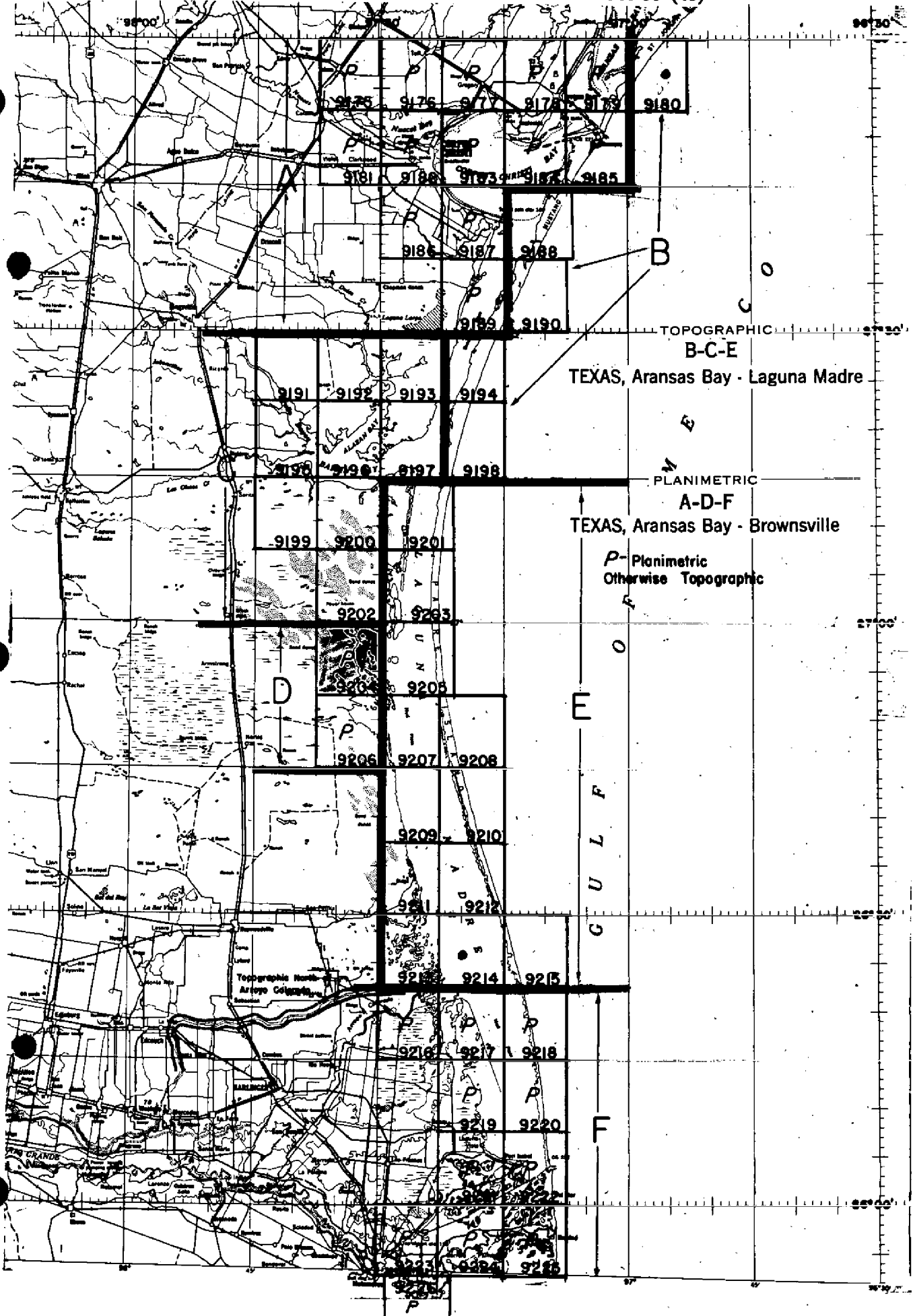
Information concerning Ph-36(48) in its broader aspects will be included in a project completion report to be compiled at the conclusion of the review of all surveys in this project.

Twenty-six of the quadrangles in this project are topographic surveys and are to be published at 1:24,000 scale by the Geological Survey. The other twenty-six quadrangles are planimetric surveys. Of these, nineteen are to be used as bases by the Geological Survey for the compilation of 7.5 minute topographic quadrangles and will not be published as planimetric maps. The remaining seven, T-9175, T-9176, T-9177, T-9181, T-9189, T-9204, and T-9206, will be published as planimetric maps.

Cloth-backed lithographic prints of the original map manuscripts at compilation scale and the descriptive reports for all maps in this project will be filed in the Bureau Archives. Cloth-backed copies of the published topographic quadrangles at 1:24,000 scale will also be filed.

All special reports except the Geog. Names Report will be filed in the Project Completion Report.

1 TOPOGRAPHIC AND PLANIMETRIC MAPPING PROJECT PH-36 (48)



TOPOGRAPHIC
B-C-E
TEXAS, Aransas Bay - Laguna Madre

PLANIMETRIC
A-D-F
TEXAS, Aransas Bay - Brownsville

P - Planimetric
Otherwise Topographic

G
U
L
L
F

2. AREAL FIELD INSPECTION

This planimetric quadrangle is located in southern Texas. The entire area is land and, being a part of the Kenedy Ranch, is devoted to grazing for cattle. The Kenedy Ranch is one of the largest ranches which predominate the entire section. The area is a series of sand dune formations which have no definite pattern and consequently are very irregular in shape. The elevations would range from approximately two feet to forty feet. The areas between the dunes are low wet places which are intermittent ponds.

Along the eastern side there is a low, flat area of sand and mud which is well known locally as the "mud flats". Numerous potreros, or grassy islands, appear throughout, rising, in some cases, several feet higher than the surrounding flat ground. In the wet season this area is impassible as it is very boggy, however, four-wheel drive vehicles can traverse most of this in dry weather.

Parts of the quadrangle are also covered by large areas of shifting sand. The sand is bare and gradually shifts in position, depending upon the prevailing winds.

Field inspection was done on 1:20,000 scale, single lens, contact and ratio photographs, and is believed to be adequate and complete. The following photographs were used for field inspection: 48-0-1409 to 48-0-1412 inclusive, 48-0-1340 to 48-0-1344 inclusive, 48-0-1906 and 48-0-1908.

The photography for this project was of fairly recent date and no great difficulty was encountered in interpreting the photographs. Three tones predominate throughout the photographs. They are white, grey, and black. Along the eastern side of the quadrangle the white to greyish tone is bleached sand and mud. The dark areas are numerous grass covered potreros, which are several feet higher than the surrounding area. Along the central and western side of the quadrangle the tones vary somewhat from the eastern part. The white tones here are various size areas of shifting sand in addition to the low sand and mud mentioned previously. The grey tones are the higher and more sparsely grassed ridges. The black tones are very heavily grassed areas, which hold water during rainy seasons.

The classification "Intermittent Pond" varies considerably in tone change from one photograph to the other and even on the same photograph. It is believed the texture of the grass accounts for this variation. Sparse or no grass on the floor of the ponds photograph from grey to white, while the heavily grassed areas are darker grey or black.

3. HORIZONTAL CONTROL

At the beginning of work on this project, no U. S. Coast & Geodetic Survey control existed within this quadrangle. One USGS traverse station was recovered and identified.

During the course of the field work a triangulation party of the Division of Geodesy executed a scheme of second-order triangulation, and two stations were established inside the quadrangle. One station west of the quadrangle limits was also established. The stations established by the Division of Geodesy were MARSH 1949, TAJOS 1949, and SAN PEDRO 1949. These stations were identified. *W of sheet limits*

In addition to the above it was deemed practical for this party to occupy the towers while in place and locate natural objects by intersection for additional control. One windmill was located by intersection from two or more cuts from triangulation stations at the northwest corner ^{and just out} of the quadrangle. This station, LOLA WINDMILL 1950, was also identified.

One USGS traverse station, PTS NO 50W 1920 was reported lost.

Horizontal control identification is shown on photographs 48-0-1409 to 48-0-1411 inclusive, 48-0-1908, 48-0-2119, and 48-0-2120.

4. VERTICAL CONTROL

No vertical control of the U. S. Coast and Geodetic Survey exists in this quadrangle.

In addition to those below, 7 bench marks established by the Humble Oil Refining Co. were recovered and identified.

Seven bench marks of third-order accuracy, established by the U. S. Engineers, were recovered and identified. The datum was converted from Mean Low Gulf by subtracting 1.02 feet from the elevations as determined by the U. S. Engineers. Several checks were run between bench marks of known Mean Sea Level elevation and the bench marks established by the U. S. Engineers in the vicinity of Corpus Christi. The difference of datums was found to be -1.02 feet. This correction was applied throughout the traverse line of the U. S. Engineers when any of the monuments were recovered and used by this party.

The following bench marks were ^{falls in T-9206} recovered and identified: BM 14, BM 16, BM 18, BM 22, BM 31, BM 34, and BM 36. All were established by the U. S. Engineers. Form 685 is submitted. Vertical control is identified on photographs 48-0-1341 to 48-0-1344 inclusive, 48-0-1906, and 48-0-1410.

5. CONTOURS AND DRAINAGE

Since this is a planimetric map, no contours are shown.

Upon examination of Saltillo Ranch quadrangle, Kenedy County, Texas, it was found that no contouring was performed on the potreros (grassy islands) of Mesquite Rincon. Since the project instructions called for contouring of quadrangles T-9205() and T-9207(), thus covering only half of these potreros, it was thought best to contour the complete area rather than leave a hiatus.

Contouring was done on single lens ratio prints 48-0-1341 and 48-0-1342 by standard planetable methods.

There are no definite perennial drainage patterns found in the quadrangle. Due to the nature of the terrain, the drainage is of the runoff variety, from the higher ridges to the low places in between. The water collects here and forms many intermittent ponds.

6. WOODLAND COVER

In the extreme southwest corner of the quadrangle a sizable area of live oak is in evidence. Other than this, the woodland cover consists of small isolated patches of the same growth, which are usually found along the tops of the ridges. All areas containing this growth have been labeled on the photographs and classified in accordance with Photogrammetry Instructions No. 21, dated 18 August 1948.

7. SHORELINE AND ALONGSHORE FEATURES

The entire area lies above mean high water.

See "Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)." I

8. OFFSHORE FEATURES

Not applicable to this quadrangle.

9. LANDMARKS AND AIDS

There are no nautical or aeronautical aids within this quadrangle.

10. BOUNDARY MONUMENTS AND LINES

See "Special Report, Boundaries, Project Ph-36(48), Baffin Bay to the Rio Grande."

11. OTHER CONTROL

Seven topographic stations were located by photogrammetric methods. They are BM 16(USE), BM 18(USE), BM 22(USE), BM 31(USE), BM 34(USE), BM 36(USE), and Azimuth Mark MARSH (1949), ¹⁹⁵⁰. The topographic stations are identified on the following photographs: 48-0-1341 to 48-0-1344 inclusive. falls in T-9206

12. OTHER INTERIOR FEATURES

The only roads within the area are sand trails which are used to carry on the operations of the ranch. All roads are single lane and are used mainly by four-wheel drive vehicles. All roads are private. Where the roads are dim on the photographs they have been dashed in with red ink.

There are no buildings within the area. except for an abandoned ranch house. There are several artesian wells and windmills in the area which have been identified on the photographs.

The remoteness of the area gives the fences and isolated tree clumps increased importance as interior landmarks. It is believed these should be shown on the completed maps. All fences have been identified on the photographs and the isolated tree clumps are plainly visible.

13. GEOGRAPHIC NAMES

The only investigation of geographic names performed by the field inspection party was to determine the names of all artesian wells and windmills within the quadrangle.

All wells and windmills with the correct spelling of the name have been located by photogrammetric methods and are labeled on the inspection photographs.

Two discrepancies in spelling of well names were noted during field work. One was MOLLOTE WELL, the correct spelling for which is MOYOTE WELL. The second is TIA COCA, for which the correct spelling is TIA CUCO. These names were verified by Mr. Morgan Chandler, the Kenedy Ranch Foreman for this section of the ranch. *See side heading 48.*

See "Special Report, Geographic Names, Project Ph-36(48), Baffin Bay to Port Mansfield (Red Fish Landing)."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Supplemental Third-Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado", forwarded to Washington Office 13 March 1950.

"Special Report, Geographic Names, Project Ph-36(48), Baffin Bay to Port Mansfield (Red Fish Landing)", forwarded to Washington Office 6 December 1949.

"Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)", to be submitted at a later date.

"Special Report, Boundaries, Project Ph-36(48), Baffin Bay to the Rio Grande", to be submitted at a later date.

Data, Quadrangle T-9204(), letter of transmittal Ph-36 Field 62,
dated 6 June 1950.

Submitted
5 June 1950

William M. Reynolds
William M. Reynolds
Cartographer (Photo)

Approved
6 June 1950

George E. Morris, Jr.
George E. Morris, Jr.
Chief of Party

MAP T. 9204 PROJECT NO. Ph-36(48)D SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR ψ -COORDINATE LONGITUDE OR α -COORDINATE | | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS |
|------------------------------------|---------------------------------|-----------|---|--------|---|--------|------------------|---|--------|--|
| | | | FORWARD | (BACK) | FORWARD | (BACK) | | FORWARD | (BACK) | |
| ✓ MARSH, 1949 | Texas IV P. 515 | N.A. 1927 | 26 56 | 42.572 | | | | 1310.2 | 536.4 | |
| SUB.PT. MARSH, 1949 | | N.A. 1927 | 97 33 | 48.124 | | | | 1327.5 | 327.6 | |
| ✓ SAN PEDRO, 1949 | Texas IV P. 515 | " | 26 56 | 51.571 | | | | 1382.1 | 464.5 | |
| AZIMUTH MARK SAN PEDRO, 1949 | | " | 97 33 | | | | | 1327.8 | 327.3 | |
| SUB PT. SAN PEDRO, 1949 | | " | 26 56 | 31.656 | | | | 1587.2 | 295.4 | |
| ✓ TAJOS, 1949 | Texas IV P. 514 | " | 97 41 | 16.996 | | | | 873.2 | 781.8 | |
| SUB PT. TAJOS, 1949 | | " | 26 56 | 27.026 | | | | 1085.8 | 760.8 | |
| PTS NO. 51W, 1920 / (USGS) | Salttillo Ranch quad. P. 2 | NA | 97 41 | | | | | 251.9 | 1403.1 | |
| SUB PT. PTS NO. 51W, 1920 / (USGS) | | 1927 | 26 56 | | | | | 1490.0 | 356.6 | |
| PTS NO. 46W, 1920 / (USGS) | Salttillo Ranch quadrangle P. 3 | NA | 97 41 | | | | | 774.4 | 880.6 | |
| SUB PT. PTS NO. 46W, 1920 / (USGS) | | 1927 | 26 56 | | | | | 523.1 | 1323.5 | |
| LOLA WINDMILL, 1950 | Texas IV P. 520 | " | 97 37 | 52.106 | | | | 745.8 | 909.9 | |
| | | " | 26 54 | | | | | 446.7 | 1399.9 | |
| | | " | 97 37 | | | | | 855.6 | 800.1 | |
| | | " | 26 56 | 00.37 | | | | 15.4 | 1831.2 | |
| | | " | 97 37 | 09.19 | | | | 227.5 | 1427.8 | |
| | | " | 26 56 | 48.76 | | | | 192.0 | 1654.6 | |
| | | " | 97 40 | 37.99 | | | | 173.0 | 1482.3 | |
| | | " | 26 56 | 345.9 | | | | 1504.7 | 341.9 | |
| | | " | 97 40 | 607.1 | | | | 1021.9 | 633.1 | |
| | | " | 26 56 | | | | | 1699.5 | 147.1 | |
| | | " | 97 40 | | | | | 1314.9 | 340.1 | |
| | | " | 27 00 | 1505 | | | | 46.3 | 1800.3 | |
| | | " | 97 37 | 52.106 | | | | 1464.2 | 190.1 | |

COMPILATION REPORT
T-9204

PHOTOGRAMMETRIC PLOT REPORT

See descriptive report for T-9208.

31. DELINEATION

Planimetric, map manuscript No. T-9204 was delineated by the graphic method.

32. CONTROL

The identification, density and placement of horizontal control was considered adequate.

33. SUPPLEMENTAL DATA

See field report, item 14.

34. CONTOURS AND DRAINAGE

See item 5 of the field report.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

36. OFFSHORE DETAILS

No comment

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for seven topographic stations. See item 11 of field report.

There are no photo-hydro stations. A list of the seven topographic stations has been prepared and appears in item 49 of this report.

39. JUNCTIONS

Junctions have been made and are in agreement with map manuscripts T-9202 to the north, T-9205 to the east and with T-9206 to the south. To the west there is no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

T-9204 has been compared with the following:

(1) U.S. Geological Survey Saltillo Ranch, Tex. quadrangle, scale 1:62,500, edition of 1923, reprinted 1944.

(2) Contour Map Eastern Kenedy ranch Area, Kenedy County, Texas by the Civil Engineering Division of the Humble Oil and Refining Co. Scale 1"= 2000 ft., dated Nov. 10, 1949.

47. COMPARISON WITH NAUTICAL CHART

T-9204 has been compared with nautical chart No. 1287 U.S. Gulf Coast, Texas, Northern part of Laguna Madre, Scale 1:80,000; published 7-4-49, corrected to 3-20-50.

Items to be applied to nautical charts immediately

None.

Items to be carried forward

None.

Respectfully submitted
4 January 1951

Judson Y. Council
Judson Y. Council
Cartographic Draftsman

Approved and forwarded
26 January 1951

Hubert A. Paton
Hubert A. Paton
Comdr., C&GS
Officer in Charge

48. GEOGRAPHIC NAME LIST

✓ ~~Bala ^(Artesian) Well~~ — delete this name (B.G.N., 10/51)

~~Calapa I.~~ — B.G.N. decis pending

✓ ~~Cocha Well Artesian Well~~
~~Commissioner Precinct 1~~
~~Commissioner Precinct 3~~

Kenedy County

~~Laguna Madre~~

~~Los Tajos Ranch~~ (Windmill)

~~Los Tajos Well (Dry)~~

~~Los Tajos Windmill~~ Artesian Well

~~Kenedy Ranch~~

~~Magueyal Well~~ Artesian Well

✓ ~~Maria Stella Well~~ Artesian Well

~~Mesquite Rincon~~

~~Mientidero Well (aband.)~~

~~Moyote Well~~ Artesian Well

~~The Graveyard~~ — delete this name (B.G.N., 10/51)

✓ ~~Tule Well (aband.)~~

Tres Marias (B.G.N., 10/51)

Tia Cuco Well, mentioned in item 13 of field report falls to the west of the limits of this survey. (The well is dry and no trace of it can be found.)

Names approved
(except for the
pending B.G.N. decis)

6-22-51

A.J.W.

49. NOTES FOR THE HYDROGRAPHER

The recoverable topographic stations in the area of Survey No. T-9204 are:

MARSH AZIMUTH MARK, ~~(1949)~~, 1950

TAJOS AZIMUTH MARK, ~~(1949)~~, 1950

BM 16 (USE), 1950

BM 18 (USE), 1950

BM 22 (USE) , 1950

BM 31 (USE), 1950

BM 34 (USE), 1950

50 -

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9204

1. Projection and grids g 2. Title g 3. Manuscript numbers g 4. Manuscript size g

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy g 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) g 7. Photo hydro stations g 8. Bench marks g
9. Plotting of sextant fixes g 10. Photogrammetric plot report g 11. Detail points g

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline g 13. Low water line g 14. Reefs, shoals, etc. g 15. Bridges g 16. Aids to navigation g 17. Landmarks g 18. Other alongshore physical features g 19. Other alongshore cultural features g

PHYSICAL FEATURES

20. Water features g 21. Natural ground cover g 22. Planetable contours g 23. Stereoscopic instrument contours g 24. Contours in general g 25. Spot elevations g 26. Other physical features g

CULTURAL FEATURES

27. Roads g 28. Buildings g 29. Railroads g 30. Other cultural features g

BOUNDARIES

31. Boundary lines g 32. Public land lines g

MISCELLANEOUS

33. Geographic names g 34. Junctions g 35. Legibility of the manuscript g 36. Discrepancy overlay g 37. Descriptive Report g 38. Field inspection photographs g 39. Forms g

40. Raymond Glaser Reviewer Joseph Steinberg Supervisor, Review Section of Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

Field Edit Report, T-9204

51. Methods.--All roads were travelled by Jeep to check their classification and to answer questions raised by the reviewer. In areas inaccessible by roads driving was cross-country by Jeep. One new road, which runs diagonally across the map, was located by planetable.

Additions, corrections and deletions have been indicated on the Field Edit Sheet.

Violet ink was used for additions and corrections and green for deletions.

All field edit information will be found on the Field Edit Sheet.

52. Adequacy of compilation.--The compiling is well done and will be adequate after application of field edit information.

53. Map accuracy.--From visual inspection and points used to take-off and tie-in with the planetable the accuracy appears good.

54. Recommendations.--None offered.

55. Examination of proof copy.--It is recommended the proof copy of the map be sent to Mr. Francis G. French for examination. Mr. French is a long-time resident of the area, County Surveyor of Kenedy County, and an employee of the Kenedy Ranch. His address is Sarita, Texas.

56. Precinct lines.--All the Commissioner Precinct lines of Kenedy County have been changed since field inspection. A copy of the legal description is being submitted and the new lines have been indicated on the Field Edit Sheets of the quadrangles affected. This quadrangle lies entirely within Precinct 1.

Precinct lines have been omitted in accordance with USGS instructions.

Respectfully submitted,
7 January 1952

William H. Shearouse

William H. Shearouse,
Cartographer

REVIEW REPORT T-9204
Planimetric Map
19 June 1952

62. Comparison with Registered Topographic Surveys:

| | | |
|--------|-----------|----------|
| T-1677 | (1879-81) | 1:20,000 |
| T-1678 | (1881) | 1:20,000 |

Numerous changes have taken place in and north of the vicinity of Mesquite Rincon.

The new map (T-9204) supersedes the old topographic surveys for nautical charting.

63. Comparison with Maps of Other Agencies:

Saltillo Ranch Quadrangle; USGS; Edition 1923; reprint 1944; 1:62,500

There were noticeable changes along the north, west, and south sides of the mud flats area. Inland, wells and access roads have been constructed.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

Chart No. 1287, 5 March 1951, 1:80,000

Numerous shoreline changes were noticed in the vicinity of the mud flats area.

66. Adequacy of Results and Future Surveys:

This map complies with the project instructions and the National Map Accuracy Standards.

In the mud flats area the water stages vary widely with meteorological conditions. In view of this, it was decided to omit the high-water line where it is indefinite and unmarked by visible evidence on the ground, and in its stead to indicate by a broken line symbol the approximate limits of areas which were subject to inundation. This decision was arrived at mainly for these reasons:

- (1) The difficulty encountered in identifying the MHW line from photographs of this area as well as in other similar areas throughout the project.
- (2) It was considered impractical to resolve this problem by extensive leveling.

For a more detailed study and investigation of this problem, refer to the correspondence and various reports to be attached

to the completion report which will be submitted when the review of the surveys on this project has been completed.

The reasons and the decision reached in adopting the special treatment accorded to the shoreline delineation are discussed in the pages of correspondence and instructions attached to the Descriptive Report for T-9214.

Reviewed by:

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