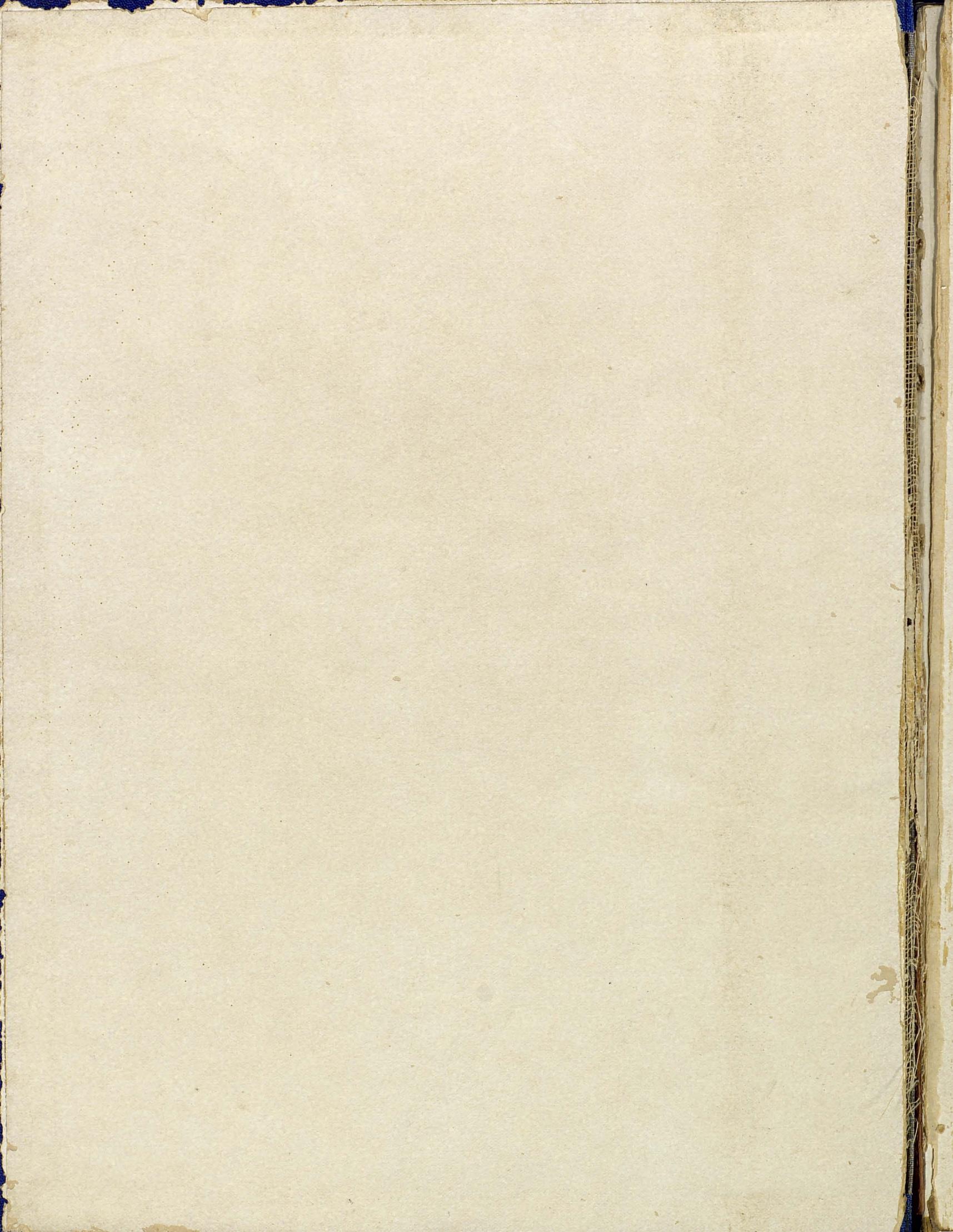


INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
AMERICAN SECTION

Elimination of Bancos

FIRST SERIES—Nos. 1 to 58



DEPARTMENT OF STATE

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PROCEEDINGS  
OF THE  
INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

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AMERICAN SECTION

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Elimination of  
Fifty-Seven Old Bancos

Specifically Described in the Treaty of 1905

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AMERICAN SECTION

Anson Mills, Brig. Gen. U. S. A., retired,  
Commissioner  
W. W. Follett, Consulting Engineer  
Wilbur Keblinger, Secretary

MEXICAN SECTION

Fernando Beltrán y Puga, Commissioner  
E. Zayas, Consulting Engineer  
M. N. Velarde, Secretary

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CONVENTION  
BETWEEN  
THE UNITED STATES AND MEXICO  
FOR THE ELIMINATION OF THE BANCOS IN THE RIO GRANDE

FROM THE EFFECTS OF ARTICLE II OF THE TREATY OF NOVEMBER 12, 1884

**Signed at Washington March 20, 1905.**

**Ratification advised by the Senate February 28, 1907.**

**Ratified by the President March 13, 1907.**

**Ratified by Mexico March 15, 1907.**

**Ratifications exchanged at Washington May 31, 1907.**

**Proclaimed June 5, 1907.**

Whereas, for the purpose of obviating the difficulties arising from the application of Article V of the Treaty of Guadalupe-Hidalgo, dated February 2, 1848, and Article I of the Treaty of December 30, 1853, both concluded between the United States of America and Mexico—difficulties growing out of the frequent changes to which the beds of the Rio Grande and Colorado River are subject—there was signed in Washington on November 12, 1884, by the Plenipotentiaries of the United States and Mexico, a convention containing the following stipulations:

“ARTICLE I.—The dividing line shall forever be that described in the aforesaid Treaty and follow the center of the normal channel of the rivers named, notwithstanding any alterations in the banks or in the course of those rivers, provided that such alterations be effected by natural causes through the slow and gradual erosion and deposit of alluvium and not by the abandonment of an existing river bed and the opening of a new one.

“ARTICLE II.—Any other change, wrought by the force of the current whether by the cutting of a new bed, or when there is more than one channel by the deepening of another channel than that which marked the boundary at the time of the sur-

Por quanto con el objeto de evitar las dificultades que resultaban de la aplicación de los artículos V del Tratado de Guadalupe Hidalgo, del 2 de Febrero de 1848, y I del Tratado del 30 de Diciembre de 1853, celebrados entre los Estados Unidos de América y México, dificultades originadas por los frecuentes cambios á que en su cauce están sujetos los ríos Bravo y Colorado, se firmó en Wáshington en 12 de Noviembre de 1884 por los Plenipotenciarios de los Estados Unidos y de México, una Convención que contiene las siguientes estipulaciones:

“ARTÍCULO I.—La línea divisoria será siempre la fijada en dicho Tratado, y seguirá el centro del canal normal de los citados ríos á pesar de las alteraciones en las riberas ó en el curso de esos ríos, con tal que dichas alteraciones se efectúen por causas naturales como la corrosión lenta y gradual y el depósito del aluvión, y no por el abandono del canal existente del río y la apertura de uno nuevo.

“ARTÍCULO II.—Cualquiera otro cambio ocasionado por la fuerza de la corriente, ya sea abriendo un nuevo canal, ó en donde haya más de uno, haciendo más profundo otro canal que no sea el que se marcó como parte de la línea divisoria al tiempo

vey made under the aforesaid Treaty, shall produce no change in the dividing line as fixed by the surveys of the International Boundary Commissions in 1852, but the line then fixed shall continue to follow the middle of the original channel bed, even though this should become wholly dry or be obstructed by deposits."

Whereas, as a result of the topographical labors of the Boundary Commission created by the Convention of March 1, 1889, it has been observed that there is a typical class of changes effected in the bed of the Rio Grande, in which, owing to slow and gradual erosion, coupled with avulsion, said river abandons its old channel and there are separated from it small portions of land known as "bancos" bounded by the said old bed, and which, according to the terms of Article II of the aforementioned Convention of 1884, remain subject to the dominion and jurisdiction of the country from which they have been separated;

Whereas, said "bancos" are left at a distance from the new river bed, and, by reason of the successive deposits of alluvium, the old channel is becoming effaced, the land of said "bancos" becomes confused with the land of the "bancos" contiguous thereto, thus giving rise to difficulties and controversies, some of an international and others of a private character;

Whereas, the labors of the International Boundary Commission, undertaken with the object of fixing the boundary line with reference to the "bancos," have demonstrated that the application to these "bancos" of the principle established in Article II of the Convention of 1884 renders difficult the solution of the controversies mentioned, and, instead of simplifying, complicates the said boundary line between the two countries;

Therefore, the Governments of the United States of America and the United States of Mexico, being desirous to enter into a convention to establish more fitting rules for the solution of such difficulties, have appointed as their Plenipotentiaries—

That of the United States of America, Alvey A. Ade, Acting Secretary of State of the United States:

That of the United States of Mexico, its Ambassador Extraordinary and Plenipotentiary, Licenciado Don Manuel de Aspiroz;

Who, after exhibiting their full powers, found to be in good and due form, have agreed to the following articles;

del reconocimiento hecho conforme á dicho Tratado no producirá alteración alguna en la línea divisoria tal como fué fijada por los reconocimientos de la Comisión Internacional de Límites en 1852; pero la línea fijada entonces, seguirá siendo el centro del canal original, aun cuando éste llegare á secarse del todo, ó á obstruirse por el aluvión."

Por cuanto en virtud de los trabajos topográficos de la Comisión de Límites creada por la Convención de 10 de Marzo de 1889, se ha observado que hay una clase típica de cambios efectuados en el cauce del río Bravo, en los cuales, á causa de la corrosión lenta y gradual, combinada con la avulsión, dicho río abandona su antiguo canal y se separan de él pequeñas porciones de terreno conocidas con el nombre de "bancos," limitadas por el referido antiguo cauce y que, según los términos del Artículo II de la expresada Convención de 1884, quedan sujetas al dominio y jurisdicción del país de donde han sido separadas;

Por cuanto dichos bancos quedan distantes del nuevo cauce del río y en razón de los depósitos sucesivos de aluvión se borra el antiguo canal, confundiéndose el terreno de los mismos bancos con el de los colindantes y originándose dificultades y controversias, unas de orden internacional y otras de orden privado;

Por cuanto los trabajos de la Comisión Internacional de Límites, emprendidos con el objeto de fijar la línea divisoria con relación á los bancos, han demostrado que la aplicación á éstos del principio establecido en el artículo II de la Convención de 1884 hace difícil la solución de las mencionadas controversias, y en vez de simplificar, complica dicha línea divisoria entre los dos países;

Por tanto, los Gobiernos de los Estados Unidos de América y de los Estados Unidos de México, deseosos de celebrar una Convención que establezca reglas más acertadas para resolver tales dificultades, han nombrado como sus plenipotenciarios:

El de los Estados Unidos de México á su Embajador Extraordinario y Plenipotenciario, Licenciado Don Manuel de Azpiroz;

El de los Estados Unidos de América, á Alvey A. Ade, Secretario de Estado interino de los Estados Unidos;

Quienes después de exhibir sus plenos poderes, que encontraron en buena y debida forma, han convenido en los artículos siguientes:

## ARTICLE I.

The fifty-eight (58) bancos surveyed and described in the report of the consulting engineers, dated May 30, 1898, to which reference is made in the record of proceedings of the International Boundary Commission, dated June 14, 1898, and which are drawn on fifty-four (54) maps on a scale of one to five thousand (1 to 5,000), and three index maps, signed by the Commissioners and by the Plenipotentiaries appointed by the convention, are hereby eliminated from the effects of Article II of the Treaty of November 12, 1884.

Within the part of the Rio Grande comprised between its mouth and its confluence with the San Juan River the boundary line between the two countries shall be the broken red line shown on the said maps—that is, it shall follow the deepest channel of the stream—and the dominion and jurisdiction of so many of the aforesaid fifty-eight (58) bancos as may remain on the right bank of the river shall pass to Mexico, and the dominion and jurisdiction of those of the said fifty-eight (58) bancos which may remain on the left bank shall pass to the United States of America.

## ARTICLE II.

The International Commission shall, in the future, be guided by the principle of elimination of the bancos established in the foregoing article, with regard to the labors concerning the boundary line throughout that part of the Rio Grande and the Colorado River which serves as a boundary between the two nations. There are hereby excepted from this provision the portions of land segregated by the change in the bed of the said rivers having an area of over two hundred and fifty (250) hectares, or a population of over two hundred (200) souls, and which shall not be considered as bancos for the purposes of this treaty and shall not be eliminated, the old bed of the river remaining, therefore, the boundary in such cases.

## ARTICLE III.

With regard to the bancos which may be formed in future, as well as to those already formed but which are not yet surveyed, the Boundary Commission shall proceed to the places where they have been formed, for the purpose of duly applying Articles I and II of the present convention, and the proper maps shall be prepared in which the changes that have occurred shall be shown, in a manner simi-

## ARTÍCULO I.

Los cincuenta y ocho (58) bancos medidos y descritos en el informe de los Ingenieros Consultores, del 30 de Mayo de 1898, á que se refiere el acta de la Comisión Internacional de Límites del 14 de Junio de 1898, dibujados en cincuenta y cuatro (54) planos, en escala de uno á cinco mil (1 á 5,000), y tres planos índices, firmados por los Comisionados y por los Plenipotenciarios nombrados para esta Convención, quedan eliminados de los efectos del artículo II del Tratado del 12 de Noviembre de 1884.

La línea divisoria entre los dos países será, en el trayecto del río Bravo, comprendido entre su desembocadura y su confluencia con el río San Juan, la línea roja quebrada que consta en los expresados planos; esto es, seguirá por el canal más profundo de la corriente, y el dominio y jurisdicción de aquellos de los citados cincuenta y ocho (58) bancos que queden en la margen derecha del río pasarán á México; y el dominio y jurisdicción de aquellos de los citados cincuenta y ocho (58) bancos que queden en la margen izquierda, pasarán á los Estados Unidos de América.

## ARTÍCULO II.

En lo de adelante, para los trabajos relativos á la línea divisoria, en toda la parte de los ríos Bravo y Colorado que sirve de límite entre las dos naciones, la Comisión Internacional se regirá por el principio de eliminación de los bancos, establecido en el artículo anterior. Quedan exceptuadas de tal principio las porciones de terreno segregadas por el cambio de cauce de dichos ríos que tengan una extensión de más de doscientas cincuenta (250) hectáreas ó una población de más de doscientas (200) almas y que no se considerarán como bancos para los efectos de este Tratado ni serán eliminadas, quedando por lo mismo, como límite en esos casos el antiguo cauce del río.

## ARTÍCULO III.

Tanto respecto de los bancos que en adelante se formen como respecto de los ya formados, pero que aun no están medidos, la Comisión de Límites se trasladará al lugar donde se hubieren producido, para la debida aplicación de los artículos I y II de la presente Convención, levantándose los planos correspondientes, en que se señalarán los cambios ocurridos, de una manera análoga á la empleada en los

lar to that employed in the preparation of the maps of the aforementioned fifty-eight (58) bancos.

As regards these bancos, as well as those already formed but not surveyed, and those that may be formed in future, the Commission shall mark on the ground, with suitable monuments, the bed abandoned by the river, so that the boundaries of the bancos shall be clearly defined.

On all separated land on which the successive alluvium deposits have caused to disappear those parts of the abandoned channel which are adjacent to the river; each of the extremities of said channel shall be united by means of a straight line to the nearest part of the bank of the same river.

#### ARTICLE IV.

The citizens of either of the two contracting countries who, by virtue of the stipulations of this convention, shall in future be located on the land of the other may remain thereon or remove at any time to whatever place may suit them, and either keep the property which they possess in said territory or dispose of it. Those who prefer to remain on the eliminated bancos may either preserve the title and rights of citizenship of the country to which the said bancos formerly belonged, or acquire the nationality of the country to which they will belong in the future.

Property of all kinds situated on the said bancos shall be inviolably respected, and its present owners, their heirs, and those who may subsequently acquire the property legally, shall enjoy as complete security with respect thereto as if it belonged to citizens of the country where it is situated.

#### ARTICLE V.

This convention shall be ratified by the two high contracting parties in accordance with their respective Constitutions, and the ratifications shall be exchanged at Washington as soon as possible.

In witness whereof, we, the undersigned, by virtue of our respective powers, have signed the present convention, both in the English and Spanish languages, and have thereunto affixed our seals.

Done in duplicate, at the city of Washington, this 20th day of March, one thousand nine hundred and five.

ALVEY A. ADEE, (Seal.)  
M. DE ASPÍROZ. (Seal.)

planos formados con motivo de los expresados cincuenta y ocho (58) bancos.

En lo tocante á éstos, á los bancos ya formados y no medidos y á los que en adelante se formen, la Comisión marcará en el terreno, con monumentos adecuados, el cauce abandonado por el río, de manera que los linderos del banco queden perfectamente definidos.

En todo terreno segregado en que los aluviones sucesivos han hecho desaparecer las partes del canal abandonado, adyacentes al río, cada uno de los extremos de dicho canal se unirá por medio de una línea recta al punto más inmediato de la margen del mismo río.

#### ARTÍCULO IV.

Los nacionales de cualquiera de los dos países contratantes que en virtud de las estipulaciones de esta Convención queden para lo futuro en terreno de la otra, podrán permanecer en él ó trasladarse en cualquier tiempo á donde mejor les convenga y conservar en dicho territorio los bienes que posean, ó bien enajenarlos. Los que prefieran permanecer en los bancos eliminados, podrán conservar el título y los derechos de nacionales del país á que antes pertenecían dichos bancos ó adquirir la nacionalidad de aquel á que van á pertenecer en lo de adelante.

Las propiedades de todo género existentes en los referidos bancos serán respetadas inviolablemente y sus actuales dueños, sus herederos y los que en lo sucesivo adquieran legalmente esas propiedades, disfrutarán respecto de ellas tan amplias garantías como si perteneciesen á nacionales del país donde están situadas.

#### ARTÍCULO V.

Esta Convención se ratificará por las dos Altas Partes Contratantes, de conformidad con sus respectivas Constituciones y las ratificaciones se canjearán en Wáshington tan pronto como sea posible.

En fe de lo cual, nosotros los infrascritos, en virtud de nuestros respectivos poderes, hemos firmado la presente Convención en los idiomas español é inglés y la hemos sellado con nuestros sellos.

Hecho por duplicado en la Ciudad de Wáshington el 20 de Marzo de mil novecientos cinco.

M. DE ASPÍROZ, (Sello.)  
ALVEY A. ADEE. (Sello.)

PROTOCOL OF SIGNATURE.

The Plenipotentiaries of the United States and Mexico who, on March 20, 1905, signed the Treaty for the elimination of bancos in the Rio Grande, having omitted involuntarily to sign the maps mentioned in Article I thereof and which form a part of the said instrument, the undersigned Plenipotentiaries have met together this day and signed the above-mentioned maps in conformity with the authority conferred upon them by their respective Governments.

In witness whereof they have signed the present Protocol of Signature and have affixed their seals thereto.

Done at Washington this fourteenth day of November one thousand nine hundred and five.

(Seal.)  
(Seal.)

ALVEY A. ADEE,  
JOSÉ F. GODOY.

(L. S.)  
(L. S.)

JOSÉ F. GODOY,  
ALVEY A. ADEE.

RECEIVED  
VOTED  
DRAFTED  
FILED  
APR 1 1910  
INTERNATIONAL BOUNDARY COMMISSION

## INTERNATIONAL BOUNDARY COMMISSION.

### UNITED STATES AND MEXICO.

Eliminations of the fifty-seven old bancos in the Rio Grande specifically mentioned in the Treaty of 1905.

EL PASO, TEXAS, *March 12, 1910.*

The Honorable,  
THE SECRETARY OF STATE,  
Washington, D. C.

SIR: I have the honor to enclose herewith Joint Journal, in Spanish and English, of March 10, 1910, together with maps, being the last act of this Commission covering the work of monumenting the old bancos in the lower Rio Grande specifically mentioned in Article I, of the Treaty of 1905, for the Elimination of Bancos in the Rio Grande, as follows:

"The fifty-eight (58) bancos surveyed and described in the report of the consulting engineers, dated May 30, 1898, to which reference is made in the record of proceedings of the International Boundary Commission, dated June 14, 1898, and which are drawn on fifty-four (54) maps on a scale of one to five thousand (1 to 5,000), and three index maps, signed by the Commissioners and by the Plenipotentiaries appointed by the convention, are hereby eliminated from the effects of Article II of the Treaty of November 12, 1884."

In order to properly carry out the provisions of the second paragraph of Article III of said treaty with reference to the monumentation of these old bancos it was found necessary to make a new survey, as most of the reference points left by the surveyors in 1898 had entirely disappeared, and also by reason of the fact that the river had changed somewhat in many places.

The report of the Joint Consulting Engineers, which forms part of the Journal referred to, will explain in detail how the work was carried on and how various technical difficulties were encountered and overcome, and the maps will show how the lines were run around each banco and where the permanent monument was placed. There are also on each map sufficient notes to enable a surveyor to ascertain the limits of a banco at any time after the posts put in by the Commission shall have been destroyed.

As these old bancos are specifically mentioned and accurately described in the treaty the Commissioners did not attempt to discuss in any way the question as to whether or not the lines delimiting their area on the maps of the survey of 1898 were correct or incorrect. In some cases, however, it was impossible to follow exactly the lines shown on the maps of 1898, by reason of the fact that the river had moved away from the banco or cut into it, making a strict application of the provisions of the treaty practically impossible in so far as it relates to the old bancos. In a few cases the conditions were such as made it necessary to apply the provisions of the treaty with reference to its application to new bancos. These exceptional cases are fully treated of in the report of the Joint Consulting Engineers and I do not believe that the spirit of the treaty was violated in any case.

I am very much gratified that the complete elimination of these old bancos only awaits the approval of the two governments. It has been fifteen years since the Joint Commissioners first met to consider

bancos, and after a thorough study and full investigation concluded that it was entirely impracticable to apply the provisions of the Treaty of 1884 to banco cases and recommended a new treaty for the elimination of bancos in the Rio Grande. This new treaty was under consideration by the two governments until 1905, and was proclaimed on June 5, 1907.

As soon as funds were available this Commission started on the new survey December, 1908, and completed the field work in April, 1909.

The marking and eliminating of these old bancos will afford great relief to the citizens of both countries on the lower Rio Grande, they having shown great patience during the long delay.

Owing to the fact that some of these old bancos have been cut off for more than fifty years, and the abandoned bed difficult of ascertainment, the application of the treaty to their elimination may appear somewhat involved, but as those cut off in the future will be immediately treated when the abandoned bed is perfectly evident the elimination will be easily effected and with much less expense.

It is very desirable that the reports and maps covering this work be published and distributed among the parties interested at an early date, and to that end I respectfully request that the Department advise me of its action upon this Joint Journal as early as practicable.

I have the honor to be, sir,

Very respectfully, your obedient servant,

ANSON MILLS,

*American Commissioner.*

EL PASO, TEXAS, December 7, 1907.

The Honorable,  
THE SECRETARY OF STATE,  
Washington, D. C.

SIR: I have the honor to enclose herewith copy of our Joint Journal of December 6, 1907, in Spanish and English, setting forth the interpretation of the Commission of certain obscure points in the treaties of 1884 and 1905 between the United States and Mexico, with proper instructions to the Joint Consulting Engineers.

I have the honor to be, sir,

Very respectfully, your obedient servant,

ANSON MILLS,  
*American Commissioner.*

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### Joint Journal.

EL PASO, TEXAS, December 6, 1907.

The Joint Commission met at the office of the Mexican Commissioner at 10 o'clock A. M.

The Commission took up for consideration certain provisions in the treaty of 1905 for the elimination of the bancos in the Rio Grande, in connection with the treaty of 1884, and the method to be employed in carrying them into effect.

It was agreed that in determining whether a certain tract of land is a banco within the meaning of the treaty of 1905 the best evidence will be the report and maps of the Joint Consulting Engineers. If such report is not considered conclusive by the Commissioners or any doubt in the matter is expressed by the Engineers the Commissioners will endeavor to ascertain from well-qualified witnesses the point or points that seem obscure.

Should a prior change to the one under consideration be set up the Commissioners will always assume that such prior change was caused by gradual erosion and deposit, after the usual manner of the river, unless said prior avulsive change can be conclusively proven by reliable surveys and well-qualified witnesses, and the usual evidence on the ground which would clearly indicate a prior avulsive change.

To the end that the Commissioners may be fully informed and that interested parties with but little knowledge of maps and engineers' reports may be able to fully understand the same it is agreed that such engineers' report and map, as far as it is possible in each case, set forth the following:

EL PASO, TEXAS, Diciembre 6 de 1907.

La Comisión se reunió á las 10 A. M. en la oficina de su Sección mexicana, para definir el modo de llevar á efecto ciertas provisiones del Tratado para la Eliminación de Bancos del Río Grande hecho en 1905 y relacionado con una Convención de 1884.

Se acordó considerar á los planos y los informes de los Ingenieros Consultores como los mejores medios para decidir si algún terreno determinado es un "banco" segúrn el sentido del Tratado de 1905; pero que si tales datos no parecen concluyentes ó si los Ingenieros se manifiestan dudosos en la materia, los Comisionados tratarán de aclarar por medio de testigos competentes el punto ó los puntos obscuros.

Cuando parezca haber habido en el terreno en examen algún cambio antiguo del río, la Comisión dará siempre por sentado que se efectuó por erosión y azolve graduales—como es ordinario en el río—á menos que se pueda probar que fue avulsivo mediante planos dignos de fe y con testigos competentes y las marcas inequívocas del terreno que acompañan á las avulsiones.

Tanto para la perfecta información de los Comisionados, como para que las personas interesadas en cada caso y poco conocedoras en materia de planos y de informes periciales puedan comprender bien los que presenten los Ingenieros Consultores, se conviene en que dichos planos é informes llenarán los siguientes requisitos, hasta donde posible sea en cada ocasión:

The report should contain:

- (a) Only such matters as are directly connected with the case under consideration;
- (b) A statement as to whether in their opinion the formation of the land in question by reason of the change in the channel of the river was caused by gradual erosion and deposit or by avulsion, and to give their reasons for such opinion, pointing out the existence or non-existence of conditions which would tend to prove their contention;
- (c) Reference to such points on the map as is deemed essential to a proper and full understanding of same.

The necessary data should be collected by the surveyors, so that in preparing the maps there can be shown:

- (a) The land in question; the present channel; the abandoned channel, and any former channels that may be clearly platted from the maps and records in the files of the Commission;
- (b) All houses, public roads, common highways, canals, cultivated and uncultivated fields, and all other important topographical detail on the banco and also on adjoining land within a reasonable radius which will enable one to fix the locality in the mind;
- (c) Traverse lines and monument points at corners of same; banks of river; lines to assumed normal bank; the permanent monument or bench mark; field notes and width of assumed normal channel, all of which will be hereinafter explained.

All maps to be drawn on a scale of 1:5000.

The treaty of 1884 provides that the boundary line shall "follow the center of the normal channel of the river," but owing to the varying widths of the river's channel the Commissioners have experienced considerable difficulty in determining in many cases what is the normal channel, and have adopted the following method of arriving at same:

There are three conditions of the river to be taken into consideration:

Los informes contendrán:

- (a) Sólo aquello que directamente se refiera al caso que se estudie;
- (b) La opinión de los Ingenieros sobre si el terreno en cuestión fue formado por un cambio erosivo del río ó por avulsión, especificando las razones en que se base tal opinión y haciendo notar la existencia ó la falta de las condiciones que justificarían un aserto ó el contrario.
- (c) La descripción de puntos especiales de los planos cuyo conocimiento sea esencial para su debida y perfecta inteligencia.

Los datos que tomen los topógrafos en sus levantamientos deberán bastar para que figuren en los planos:

- (a) El terreno de que se trate, el cauce actual del río, el anterior, y todos los antiguos que puedan copiarse convenientemente de otros planos que haya en poder de la Comisión;
- (b) Todas las casas, los caminos públicos, los canales, las tierras cultivadas ó incultas y los demás detalles importantes del banco ó del terreno cercano á él, dentro de un límite prudente y hasta donde convenga para ayudar á reconocer la localidad;
- (c) De acuerdo con lo que luego se explicará, polígonos alrededor del banco y sitios propuestos para monumentos en los ángulos de los mismos; líneas que los unan á la margen normal adoptada; ancho adoptado para el cauce normal; notas de campo.

Todos los planos de los bancos se dibujarán á escala de 1:5000.

El Tratado de 1884 provee que la línea divisoria "seguirá el centro del cauce normal del río"; mas los Comisionados han tenido seria dificultad muchas veces en decidir cuál sea el "cauce normal," debido á la inconstante anchura del río, y por lo tanto convienen en adoptar las siguientes reglas para determinarlo:

Pueden presentarse tres casos diversos:

(1) Where the river runs entirely within well-defined banks;

(2) Where the river has one well-defined or live bank, the water on the opposite side extending over low country and sand bars;

(Live Bank.—The bank against which the current is running.)

(3) Where there are no well-defined banks but the water of the river spreads out over adjoining low country, except at extremely low water.

In condition (1) there will be no difficulty in ascertaining the center of the normal channel.

In conditions (2) and (3) the Consulting Engineers will arbitrarily fix the width of the channel by taking the average width of same at the nearest point both up and down stream where it is in comparatively well-defined banks, and represents, in the opinion of the engineers, the average width of the channel in that locality, and such average width thus determined shall be assumed to be the normal width of the channel, and in the case of condition (2) the boundary line is determined by taking half the assumed width of this channel, measuring from the live or well-defined bank. In the case of condition (3) the boundary line will follow the center of the deepest channel and the banks are determined by measuring half the assumed width from said center of the deepest channel.

In putting into effect the provision of the treaty of 1905 that the abandoned channel of the river around bancos shall be suitably marked it is desired by the Commissioners that the Consulting Engineers run a traverse in the abandoned channel which shall be within its middle third, and at the corners of said traverse to set a heavy wooden stake to mark future location of monuments. Where there is a well-defined or live bank on the river this traverse should run to same and points for monuments located thereon, but where there is no well-defined or live bank, but a series of low lands and sand bars between the banco and the running water, the points for location of monuments should be placed on the flood or overflow bank, and to arrive at the front line of the banco on the assumed or normal bank of the river, as fixed by the engineers and described herein, a right line should be run from each of said monuments on the overflow or flood bank to the nearest point of the line marking the assumed or normal bank.

A site should be selected, and marked with a heavy wooden stake, for the erection of a permanent monu-

(1) Que el río corra entre márgenes bien definidas;

(2) Que tenga una margen viva ó definida y el agua se desborde hacia la opuesta extendiéndose por bajíos y playas arenosas, llamándose "margen viva" aquella al pie de la cual corra el agua;

(3) Que no haya márgenes precisas, sino que el río se extienda hacia ambos lados sobre bajíos, excepto en las aguas mínimas.

En el caso No. 1 no habrá dificultad para determinar el cauce normal.

En los Nos. 2 y 3 los Consultores determinarán el ancho medio del cauce normal tomando el promedio de su amplitud en los sitios más próximos de aguas-arriba y de aguas-abajo en donde ambas márgenes estén bien definidas y la anchura sea la media general, á juicio de ellos. En seguida, en el caso No. 2 se señalará la línea divisoria internacional tomando desde la margen viva distancias hacia el río iguales á la mitad del ancho medio normal del cauce así adoptado. En el caso No. 3 la línea internacional irá por el centro del canal más profundo y las márgenes supuestas normales se determinarán midiendo hacia cada lado de dicha línea distancias iguales á la mitad del cauce normal medio adoptado.

Para llevar á efecto la provisión del Tratado de 1905, sobre monumentar adecuadamente el lecho del río abandonado alrededor de los bancos, desean los Comisionados que los Ingenieros Consultores adopten al referido lecho un polígono que quede inscrito en su tercio medio y que en los ángulos de él en el terreno fijen estacas resistentes de madera que marquen los sitios de los futuros monumentos. Cuando en el río en actividad á la fecha de la operación haya hacia el lado del banco una "margen viva," el mencionado polígono se extenderá hacia ella; pero cuando no la haya, sino que se encuentren entre el banco y el río corriente una serie de bajíos y de playas de arena, los puntos extremos del polígono quedarán en la línea adonde alcancen los desbordes en las avenidas, y estos extremos se unirán, por medio de las líneas rectas más cortas posibles, á la línea de la margen normal imaginaria adoptada.

En cada banco se elegirá un sitio para la erección de un monumento de referencia permanente que quede en terreno alto, lejos del río corriente y no sujeto á inundación, y se marcará ese sitio con una estaca fuerte de madera, ligándose ese punto con el polígono antes citado en tal forma que cualquier

ment or bench mark at a point on high ground away from the river and least liable to overflow, and to this point should be tied the traverse above referred to, so that hereafter any competent surveyor can re-establish the corners of said traverse, and field notes to that end should be shown on the map.

The permanent monuments to mark the corners of the traverse around bancos to be of durable wood four inches square and sufficiently long to allow same to stand one meter above ground, the top of which to be painted white and marked with a stencil "I. B. C." and "C. de L." The permanent monument or bench mark to be of cement or cast iron of dimensions to be determined later, and to be marked "No.—," "I. B. C." and "C. de L."

Each banco to be numbered, such number to be furnished by Commissioners upon examination and approval of maps and reports of the engineers, and after said examination and approval of the Commissioners and the two Governments the Consulting Engineers will proceed jointly, with the necessary labor and material, to set the monuments at the points selected, as described above.

It was also agreed that the Consulting Engineers should prepare a general map on a scale of 1:25000 of each banco district in order that the authorities on both sides of the river will be able to locate any banco in question and to enable the Commission to more perfectly carry out the provisions in the Journal of June 27, 1907, regarding the furnishing of the Commission's proceedings and decisions to local authorities.

The Commission then adjourned.

ANSON MILLS,  
WILBUR KEBLINGER,  
F. B. PUGA,  
CÉSAR CANSECO.

topógrafo competente pueda reconstruir mediante él los ángulos del polígono. Se asentará en los planos las notas de campo correspondientes.

Los monumentos finales que marquen los vértices del polígono de contorno de los bancos serán de madera duradera, de sección cuadrada de cuatro pulgadas (diez centímetros) de lado, bastante largos para que sobresalgan un metro del terreno, y tendrán un casquete pintado de blanco y marcado con un molde con las iniciales "I. B. C." y "C. de L." en lados opuestos.

El monumento de referencia permanente será de cemento ó de fundición, tendrá dimensiones que más tarde se determinarán, é irá marcado: "No.—," "I. B. C." y "C. de L." en los lugares adecuados, debiéndose numerar los bancos progresivamente con los números que los Comisionados proporcionen en su oportunidad, después de examinar y aprobar los planos y los informes de los Consultores. Cuando se tenga dicha aprobación y la de los dos Gobiernos, los Ingenieros Consultores procederán unidos, y con la gente y los materiales necesarios, á construir en los puntos elegidos los monumentos que se han descrito aquí.

Se acordó igualmente que los Ingenieros Consultores deberán preparar para cada zona de bancos un plano de conjunto á escala de 1:25000, con el fin de que en él puedan reconocer la posición de cada banco las autoridades de ambos lados de la línea divisoria á quienes, de acuerdo con lo convenido en una Acta de 27 de Junio de 1907, se enviará copia de las decisiones de la Comisión.

Enseguida se levantó la sesión.

F. B. PUGA,  
CÉSAR CANSECO,  
ANSON MILLS,  
WILBUR KEBLINGER.

DEPARTMENT OF STATE,  
WASHINGTON.

January 3, 1908.

BRIG.-GENL. ANSON MILLS, *U. S. A., Retired,*  
*United States Commissioner,*  
International (Water) Boundary Commission,  
United States and Mexico,  
El Paso, Texas.

SIR: I have to acknowledge the receipt of your letter of the 7th ultimo, enclosing copy of the International (Water) Boundary Commission's Joint Journal of December 6, 1907, in Spanish and English, setting forth the interpretation of the Commission of certain points in the treaties of 1884 and 1905 between the United States and Mexico, with instructions to the Joint Consulting Engineers.

I am, sir,

Your obedient servant,

ELIHU ROOT.

UN SELLO QUE DICE,  
SECRETARÍA DE RELACIONES  
EXTERIORES,  
MÉXICO.  
MÉXICO, Diciembre 31 de 1907.

Con el oficio de usted de 7 del actual, se recibió en esta Secretaría el Acta de la Comisión Mixta correspondiente á una sesión celebrada el día 6 del mismo mes, en que se acordó el plan para procederse á la ejecución del Tratado sobre Eliminación de Bancos.

En respuesta manifiesto á usted que esta Secretaría aprueba dicha Acta.

Reitero á usted mi consideración.

P. O. del Sr. Srio.

El Subsecretario,

JOSÉ ALGARA,

*Al Jefe de la Comisión Mexicana de Límites  
entre México y los Estados Unidos.*

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### Joint Journal.

EL PASO, TEXAS, March 10, 1910.

The Joint Commission met at the office of the American Commissioner at 10 o'clock A. M.

The Commissioners took up for consideration the report, with maps, of the Joint Consulting Engineers, dated March 10, 1910, covering the work of monumenting the bancos in the lower Rio Grande, specifically mentioned in the Treaty of 1905, for the elimination of bancos in the Rio Grande, and in accordance with the terms of said treaty and the rules of the Joint Commission as set forth in the Joint Journal of December 6, 1907.

The report was read by the Commissioners and formally approved, and the same is attached hereto and made a part of this Journal, together with the original filing maps of record.

The Commissioners agreed that they considered that their sole duty in regard to the approval of this report and maps was to see that the Consulting Engineers had followed as closely as possible the boundary of the bancos, as shown by the dotted red lines on the maps of the survey of 1897-8, and specifically referred to in the treaty, without attempting to discuss in any manner the correctness of the location of said dotted red lines.

EL PASO, TEXAS, Marzo 10 de 1910.

La Comisión Mixta se reunió en la oficina del Comisionado Americano á las 10 de la mañana.

Se puso á discusión el informe en común que—con fecha 10 de Marzo de 1910 y acompañado de los correspondientes planos, todo escrito en castellano y en inglés—rinden los Ingenieros Consultores acerca de la monumentación de los bancos antiguos del Bajo Río Bravo mencionados en detalle en el Tratado de 1905 sobre la Eliminación de Bancos en los Ríos Grande y Colorado, hecha de acuerdo con dicho Tratado y con el Acta de Instrucciones de esta Comisión Mixta de 6 de Diciembre de 1907.

Leído el informe y examinados cuidadosamente los planos, los Comisionados aprobaron en debida forma el primero y firmaron los segundos en los dibujos originales y sus calcas, acordando que informe y planos pasaran á formar parte de la presente Acta.

Al aprobar el repetido informe los Comisionados lo hicieron porque consideraron que su único deber en este caso era vigilar por que la monumentación de que se trata se hiciera ajustándola lo más estrechamente posible á los contornos decretados con toda precisión para esos bancos en el mencionado Tra-

The original filing maps and tracings, in Spanish and English, were carefully examined and signed by both Commissioners as of this date.

In approving the report of the Joint Consulting Engineers the Commissioners took into consideration the many difficult conditions that had to be met in applying the letter of the treaty to some of the cases, but are of the opinion that in no case has the spirit of the treaty been departed from materially.

In running the traverses around the bancos in order to locate points for monuments the Consulting Engineers endeavored at all times to follow the limits of the bancos, as shown by the dotted red line on the maps of the survey of 1897-8, and referred to in the treaty, but in some cases changes had occurred in the course of the river which made the application of the rule impracticable, if not impossible, and in such cases the Consulting Engineers applied the provisions of the treaty with reference to its application to new bancos. These cases are explained in detail in the report of the Consulting Engineers.

In some few cases a more thorough investigation and survey disclosed the fact that the limits of the bancos in question had been erroneously shown on the maps of the survey of 1897-8, and the Consulting Engineers very properly monumented the bancos in accordance with the terms of the treaty as applied to the newly discovered facts. These cases are also treated of in detail in the report of the Consulting Engineers.

There are a number of cases where the Rio Grande has eroded its channel in such a manner as to cut an additional opening on a banco. The Consulting Engineers very properly gave no attention to this new opening but simply carried their traverses in the old bed around the bancos up to it and located a corner and then took up the traverse again at another corner on the opposite side. A case of this kind is shown in "Toluca Banco," No. 32. Here Corner No. 1 is placed at the new opening, but has no special significance, it being merely a rule of the Consulting Engineers to place Corner No. 1 at the first point where a banco is touched in making their survey—going downstream.

On the maps of the survey of 1897-8, "Camargo Banco," No. 57, has no opening on the river. Since then the Rio Grande has eroded the land to the south and a river opening has been made on this banco, and Corner No. 1 of the traverse has been laid at this new opening.

tado y marcados con líneas rojas punteadas en los planos del levantamiento de 1897 á 1898, sin tratar en manera alguna de discutir la corrección del trazo de tales contornos.

Tuvieron, sin embargo, en debida cuenta los Comisionados las muchas dificultades que se encontraron para aplicar algunas veces literalmente el Tratado; pero creen que nunca se adoptó ninguna solución opuesta de modo esencial á su espíritu.

Al localizar los Ingenieros Consultores los polígonos y los monumentos que debían marcar los linderos de los bancos trataron siempre de seguir los trazos rojos punteados de los planos levantados en 1897-1898 á que se refiere el Tratado; pero en algunos casos observaron que el río había sufrido cambios posteriores que hacían impracticable, si no imposible, la aplicación de esta regla, y entonces adoptaron las provisiones del mismo Tratado que se refieren á los procedimientos que hay que seguir respecto á otros bancos nuevos. Tales casos se explican en detalle en el informe de los Ingenieros.

En otras ocasiones, investigaciones y levantamientos muy esmerados hicieron patente que las indicaciones de los planos de 1897-1898 no bastaban para marcar apropiadamente los contornos de los bancos en cuestión, y en tales casos, que se explican en detalle en el repetido informe, los Ingenieros Consultores tuvieron atinadamente en cuenta al hacer la monumentación las nuevas circunstancias descubiertas.

En cierto número de bancos las variaciones del Río Bravo se encontraron haber sido tales que la erosión había producido en ellos una segunda comunicación con el curso real del río. Los Ingenieros Consultores, obrando como debían, no dieron ninguna importancia á tal boquilla secundaria, sino que simplemente corrieron sus polígonos por el antiguo cauce hasta encontrarla, luego pasaron al otro lado de ella dejando un monumento en sus intersecciones con dicho antiguo cauce, y continuaron su polígono á lo largo de éste. En el banco de Toluca, No. 32, que es uno de los de este género, hay que hacer notar que el monumento No. 1 se colocó en la boquilla secundaria; pero que esto no se hizo para darle especial importancia á tal boquilla, sino únicamente en cumplimiento de la regla general adoptada por los Ingenieros Consultores de colocar el monumento No. 1 de cada banco en el primer punto en que encontraban á su contorno al hacer su levantamiento topográfico siguiendo el curso del río hacia abajo.

En los planos de 1897-1898 el banco de Camargo, No. 57, aparece sin comunicación con el río; pero

Two bancos have entirely disappeared since the survey of 1897-8. These are "Estrada Banco," No. 50, and "Potrero Banco," No. 54.

"Fernandez Banco," No. 4½, was not included in the original list of bancos surveyed in 1897-8, but was surveyed later, and is shown on the maps referred to in the treaty.

It will be observed that water is shown on the maps by a blue tinting, whether same is in the running river or in lagoons or old abandoned river beds.

The approval of this Joint Journal and maps by the two governments will be the final action necessary in order to carry out the provisions of the Treaty of 1905 in regard to marking the boundaries of the bancos specifically mentioned and eliminated therein, and it was agreed that as soon as such approval was received the Commissioners would proceed to publish in convenient form said journal, reports and maps for distribution among the parties interested, in accordance with authority previously received by each Commissioner from his government.

The Commission then adjourned.

ANSON MILLS,  
WILBUR KEBLINGER,  
F. B. PUGA,  
M. N. VELARDE.

posteriormente la erosión lo ha invadido por el sur y ha creado en el banco una boquilla, en la que se colocó el monumento No. 1 de su contorno.

De los bancos de 1897-1898 dos han desaparecido por completo:—el de Estrada, No. 50, y el de Potrero, No. 54.

El Banco de Fernández, No. 4½, no quedó incluido en la lista original de los estudiados en 1897-1898 porque se le levantó un poco después; pero sí figuró en los planos á que se refirió luego el Tratado.

Debe hacerse notar que en los planos actuales se ha indicado con tinta azul que algún cauce, ya sea abandonado ó activo, contenía agua al hacerse su levantamiento.

Con la aprobación de la presente Acta por ambos Gobiernos quedarán totalmente cumplidas las provisiones del Tratado de 1905 en lo tocante á la demarcación de los linderos de los bancos antiguos de que en él se hace mención especial, por lo que los Comisionados convienen en que tan pronto como se obtenga tal aprobación procederán ambos á publicar en forma conveniente esta Acta y el informe y los planos á ella anexos, y á distribuirlos entre los interesados, para lo cual cada Comisionado tiene ya autorización separada de su Gobierno.

En seguida se levantó la sesión.

F. B. PUGA,  
M. N. VELARDE,  
ANSON MILLS,  
WILBUR KEBLINGER.

## Consulting Engineers' Report.

EL PASO, TEXAS, March 10, 1910.

TO THE HONORABLE COMMISSIONERS,  
*International Boundary Commission,*  
*United States and Mexico.*

GENTLEMEN:

We have the honor to report that we have placed traverses around 57 bancos on the lower Rio Grande, in accordance with Article III of the Treaty of March 20, 1905, and with the Joint Journal of the Commissioners, dated December 6, 1907.

We commenced work at Rio Grande City December 17, 1908, and completed the laying and marking of the traverses, and broke camp at Brownsville (Matamoros) April 18, 1909. A concrete monument was built on each banco after that date, all of them being completed by the middle of the following month.

These were the bancos identified as such and surveyed during the winter of 1897-8. There were originally 59 of them, but we found that two (Estrada No. 50 and Potrero No. 54) had been entirely eroded away by the river.

The traverses were placed so as to lie within the middle third of the old river bed, and the angles were marked by mesquite posts conforming in size and marking to the requirements laid down in the Journal of December 6, 1907. They were painted with two coats of white lead and oil and the required figures and letters were burned into them with branding irons and then filled with black paint.

On each banco was erected a permanent monument of concrete. This consisted of a base two feet square and two feet deep, with its top flush with the surface of the ground; on this was placed a truncated pyramid two and a half feet high, one foot square at the top and one foot eight inches square at the bottom. In the top of the concrete was set a cast iron plate four inches square, cast on the end of a three-fourth-inch bolt two feet long, which anchored it into the concrete. The sketch shows how this plate was marked. Into the fresh concrete was stamped the word "Banco," and the number.

The photograph on the next page shows the monument on Longoreño Banco No. 3.

EL PASO, TEXAS, Marzo 10 de 1910.

SEÑORES COMISIONADOS DE LÍMITES  
*En la Comisión Internacional entre*  
*México y los Estados Unidos, Presentes.*

SEÑORES:

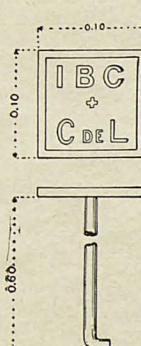
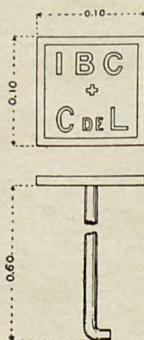
Tenemos la honra de informar á ustedes sobre las operaciones que llevamos á cabo al demarcar los polígonos limítrofes de los 57 bancos, en el Bajo Rio Bravo, de acuerdo con las prescripciones del Artículo III del Tratado de 20 de Marzo de 1905 y del Acta Mixta de los señores Comisionados fechada en 6 de Diciembre de 1907.

Comenzamos el trabajo en Rio Grande, Texas, en 17 de Diciembre de 1908 y terminamos los trazos, levantando los campamentos en Brownsville y Matamoros, el 12 de Abril de 1909. Los monumentos hechos con obra de concreto, de cada banco, se construyeron después de esta fecha, y quedó todo acabado el 15 de Mayo de ese mismo año.

Estos bancos fueron los clasificados como tales en el estudio hecho durante el invierno de 1897-1898. Originalmente eran 59 en número; pero encontramos que dos (el de Estrada No. 50 y el de Potrero No. 54) habían desaparecido enteramente por la erosión del río.

Los polígonos se trazaron de modo que quedaran dentro del tercio medio del antiguo lecho del río, y los vértices se fijaron por medio de postes de mezquite del tamaño y con las marcas ordenadas en el Acta Mixta de 6 de Diciembre. Se pintaron con dos capas de pintura blanca de aceite, y las marcas se hicieron á fuego, pintadas luego con pintura negra.

En cada banco se erigió un monumento de referencia de obra de concreto, consistente de una base de 60 cmtrs. en cuadro por 60 cmtrs. de profundidad enrasando con el terreno; sobre esta base, una pirámide de 70 cmtrs. de alto, 30 cmtrs. en cuadro por su cara superior y 50 cmtrs. por la inferior. En la cara de arriba y anclada á la obra de concreto por medio de un perno de 16 mm. de diámetro y 60 cmtrs. de largo, colocamos una placa de hierro fundido. La inscripción realizada en esta placa se ve en el diseño dibujado al margen. Sobre el cemento, aún fresco al tiempo de construirse, se grabó la palabra "banco" y su número de orden correspondiente. La fotografía adjunta muestra el monumento erijido en el banco No. 3, "Longoreño."



This permanent monument was built at the safest place which we could find on each banco, and the traverse was tied to it by course and distance from the nearest corner.

Accompanying this report and forming a part of it are 57 maps, drawn to a scale of 1 in 5,000. Each map shows a banco with the surrounding topography, and gives courses and distances from corner to corner of the traverse, as well as from one corner to the permanent monument, and the

Este monumento se localizó en la parte más segura que se encontró en cada banco y quedó ligado al polígono limítrofe por rumbo y distancia.

Acompañan al presente informe y son de él parte integrante, 57 hojas dibujadas á la escala de 1:5,000. Cada una de ellas muestra un banco y los detalles topográficos cercanos, y da los rumbos y distancias entre los vértices del polígono y su liga con el monumento de referencia permanente. Tambien da las



PERMANENT MONUMENT ON "LONGOREÑO" BANCO, No. 3.

MONUMENTO DE REFERENCIA DEL BANCO No. 3 "LONGOREÑO."

distance from a neighboring ranch and from the nearest town. Each map thus contains all the information necessary to enable a competent surveyor to locate a banco and to retrace the traverse, even if the corner posts are gone. The Spanish copies of these maps show, in addition to the above information, the latitude and departure of each corner from the permanent monument.

Nearly all of these 57 bancos were formed by the river's channel taking on the form of a loop and

distancias que separan al banco de alguno de los ranchos vecinos y de la población más próxima. Así, cada plano contiene la información necesaria para que cualquier topógrafo competente pueda restablecer el polígono aun cuando desaparezcan los postes de los vértices. La serie escrita en español, de estos planos, contiene además una tabla de coordenadas referidas al monumento de referencia.

Casi todos estos 57 bancos en su origen, se formaron por haber afectado el curso del río la forma

then the current eroding the banks until one side of the bend caved through into the other. The resulting banco was usually pear-shaped and the river ran at right angles to the small end. But the ever-shifting bed of the river has not remained in this position; so that now the shape of a banco and its position relative to the river are, in most cases, much different from what they were when it formed. The river has retreated from some, adding to their area, while into others it has cut, destroying a portion of them. Occasionally, it has cut in and then retreated, while to some it has added ground and is now cutting it away. The result is, as will be seen from the maps, that the bancos, as we found them on the ground and marked them, are of many shapes. Their areas also differ much from those which they originally had. The river, instead of running square across the old front of each banco, now occupies all imaginable positions relative to them.

The second and third paragraphs of Article III of the Treaty of 1905 read as follows:

"As regards these bancos, as well as those already formed but not surveyed, and those that may be formed in the future, the Commission shall mark on the ground, with suitable monuments, the bed abandoned by the river, so that the boundaries of the banco shall be clearly defined.

"On all separated land on which the successive alluvial deposits have caused to disappear those parts of the abandoned channel which are adjacent to the river, each of the extremities of said channel shall be united by means of a straight line to the nearest part of the bank of the same river."

The practical effect of the last paragraph cited above is, in our opinion, to give to each banco an open frontage at or near the point of avulsion, unless another banco has cut off in front of it since its formation. In case the river has eroded more than half way through the old channel at some other point on the perimeter of a banco and is, therefore, encroaching on its area, a second open frontage must be given. Our traverses show these open frontages.

We found that the relative position of the visible extremities of the old channel and the present river were in some cases such that a straight line to the nearest bank would lie on old ground outside the banco-ground which had always formed a part of the mainland, and so would not properly define its boundary, as required by the second paragraph of Article III of the Treaty. It was, therefore, frequently necessary to trace the location of the old channel even when it was filled with sediment. Of

de una herradura y, á causa de la erosión de la corriente, se destruyó la parte angosta hasta que una rama de la figura se juntó con la otra formándose un banco en forma de pera y corriendo después el río por la punta en dirección normal al eje del banco. Pero por las constantes divagaciones, éste ha conservado la posición original y, consecuentemente, ahora la situación relativa de un banco con respecto al río, es muy diferente á la que tuvo al tiempo de cortarse. En unos casos, el río se ha alejado de los bancos aumentando su área y en otros la ha disminuido al acercarse á ellos destruyéndoles en parte. A veces, también, primeramente se ha acercado y destruído alguna parte y luego se ha alejado agregando terreno que después quita de nuevo al acercarse. Resulta, como se puede ver en los planos, que los bancos, tal como los encontramos y marcamos afectan variadas formas y que sus áreas difieren muchísimo de las originales. También sucede que el río, en vez de correr normalmente á los ejes de los bancos, lo hace formando innumerables y caprichosas figuras con relación á dichos ejes.

Los párrafos 2 y 3 del artículo III del Tratado de 1905 dicen á la letra:

"En lo tocante á éstos, á los bancos ya formados y no medidos y á los que en adelante se formen, la Comisión marcará en el terreno, con monumentos adecuados, el cauce abandonado por el río, de manera que los linderos del banco queden perfectamente definidos.

"En todo terreno segregado en que los alluviones sucesivos han hecho desaparecer las partes del canal abandonado, adyacentes al río, cada uno de los extremos de dicho canal se unirá por medio de una línea recta al punto más inmediato de la márgen del mismo río."

La aplicación de este último párrafo, en nuestra opinión, produce el resultado práctico de dar á cada banco un frente abierto hacia el río por el lado de la punta de avulsión ó cerca de él, á no ser que se haya cortado otro banco en ese frente después de su formación.

En casos en que el río ha destruido más de la mitad del canal abandonado por lugar distinto del perímetro de un banco, y que por consiguiente esté penetrando en él, dicho banco tiene un nuevo frente hacia el río, razón por la cual así lo mostramos en nuestros planos.

Encontramos que, aparentemente, los extremos visibles en ciertos casos, del canal antiguo, en su posición relativa al río, quedaban de tal modo que si se trazara una línea recta al frente más inmediato del río, se atravesaría por terrenos laterales afuera del banco, que siempre han pertenecido al territorio firme adyacente. Por consecuencia, tales líneas no definirían los límites del banco como lo manda el segundo párrafo del artículo III del Tratado. Así

course, where the old channel had been eroded away and the area then restored by accretion, its former location was immaterial, as the new area was added to the banco in all cases, whether the old channel destroyed was at its front or at any other point on its perimeter. There were a number of cases, however, where the old channel existed but had been completely filled, and it was necessary to locate it.

The landowners have a custom which frequently perpetuates the location of the old channel, even after its banks have disappeared. When a banco is formed, they often build a fence approximately in the center of the old river bed as soon as it fills with sedimentary deposit to such an extent as to bring its bottom above low water at a low stage of the river; near the stream, this will occur very shortly after the formation of the banco. Cottonwoods are frequently used for posts; these posts take root and grow, so that in a few years a row of trees marks the line of the fence. In other cases, a fence is built with tornillo or mesquite posts, which do not take root; when successive overflows deposit sediment around it until it is nearly buried, another fence is built on top of it, and sometimes a third. We found that if we assumed that these trees and fences marked the old river bed and that, so long as they existed, the old channel could not be said to have disappeared, our traverses would mark the real boundaries of the bancos. We, therefore, made this assumption and we believe that the wording of the Treaty amply justifies it. As a matter of fact, the banks are, in many cases, entirely obliterated near the river front, but the old river bed can be identified by the trees or fences above mentioned. In some cases the river has also approached the side of a banco so close as to throw enough sediment into the old river bed to fill it entirely, but its location can be found in the same way.

The following is a detailed description of some of the more irregular cases which we found. These show the difficulties we encountered and the way we met them.

es que frecuentemente hubo necesidad de retrazar la localización del canal abandonado aun cuando estuviera lleno de sedimentos, á no ser que dicho terreno hubiese desaparecido por la erosión del río y luego vuelto á formarse por acarreo y depósito al retirarse éste del banco, en cuyo caso, no era de importancia la primitiva posición de ese canal, puesto que el terreno formado se había agregado al banco ya por la boquilla ó por cualquier otro lugar de su perímetro. Sin embargo, hubo varios casos en que el canal existía aunque cubierto completamente de sedimentos y fué preciso establecer su posición.

Los propietarios de los terrenos tienen una costumbre que hace que se conserve la localización del antiguo canal: en cuanto se forma un banco y comienza á llenarse el cauce, regularmente construyen una cerca aproximadamente en el centro del lecho antiguo que queda sobre el nivel de las aguas bajas del río.

Cerca del río ocurre esto casi tan pronto como se forma un banco. Generalmente usan madera de álamo para hacer los postes de las cercas y estos arraigan en el terreno y se desarrollan en unos cuantos años formando entre sí una arboleda que marca la línea de la cerca original. En otros casos, usan madera de tornillo ó de mezquite, la cual no arraiga en el terreno, y á medida que los aluviones sucesivos van llenando el cauce y tapando los postes, colocan otros nuevos sobre los antiguos, si es necesario, repitiendo la operación hasta por tercera vez.

Nos convencimos de que, asumiendo la existencia de dichas cercas y arboledas y que marcaban el lecho antiguo, nuestros trazos por ellas localizarían los verdaderos linderos, puesto que los canales en tales casos no podrían considerarse como desaparecidos. Por esta razón creímos que el texto del Tratado justifica nuestros procedimientos ampliamente. En realidad, en muchos casos, los bordes del canal antiguo cerca de los frentes al río han desaparecido por completo; pero el curso del canal puede identificarse por medio de las referidas cercas ó arboledas. Casos encontramos en que el río se aproxima tanto á los lados de los bancos que ha cubierto de sedimentos el canal viejo hasta llenarlo todo, mas el curso del lecho se puede determinar del mismo modo expresado.

A continuación hacemos una descripción de los casos más irregulares explicando las dificultades que encontramos y la manera con que las resolvimos:

### CAPOTE BANCO—No. 13.

In 1898 the point of avulsion of the Capote banco was plain, as well as the adjacent Texas banks of the old river. The fence built on the upper side did not follow the center of the old river bed all the way but encroached on the banco half of it opposite to the point of avulsion. When we monumented this in March, 1909, we found that the point of avulsion and the adjacent Texas banks had been completely buried in silt, that the river had eroded into the old channel on the lower side and then receded by erosion and deposit, and that it had cut from the Texas ground just above this banco a new one which now lies on the Mexican side of the river just upstream of Capote ranch and fronts the side of Capote banco. The river was also cutting toward the upper side of the banco. Referring to the map, if the old channel were said to have disappeared when its banks could no longer be traced, then it would have been necessary to place Corner No. 1 of the traverse on the river bank a short distance south of actual Corner No. 3, with the course 1-2 running about due east. This would, however, have cut off from Ciprés ranch and given to the banco quite an area known to everyone to be old ground which had always been United States soil, and the new banco just north of Capote ranch would have fronted on Capote banco ground and would have had the appearance of having been cut from it, while, as a matter of fact, it was all old ground formerly a part of Ciprés ranch.

Similarly, closing Corner No. 9 would have stood near actual Corner No. 1 of the map and the course backwards from it would have lain just a little north of east, cutting off entirely the old frontage of the banco.

After much study of this situation, we placed the traverse as shown, tracing the old channel on the upper side as far as we could by fences and reference to the 1897-8 map, and then going to the river at a right angle to its position in 1898, and letting course 8-9 follow the old channel to the new ground, which begins at the broken line, and then continue in the same direction until it reached the present bank of the river. It is about parallel to course 1-2 and divides the accretion, formed by the river's cutting into the old channel and then moving away, equitably between the banco and the adjacent mainland. We believe that this traverse clearly and properly defines the boundary of the banco and so conforms to the Treaty. On the lower side of the banco we could not place it where the center of the old

### BANCO No. 13—"EL CAPOTE."

En 1898, se veía con claridad la punta de avulsión del banco del Capote y lo mismo sucedía con el borde adyacente, del lado de Texas, del antiguo lecho. La cerca construída en la parte de arriba no seguía por el centro del lecho abandonado en todo su curso, sino que penetraba en el banco por mitad enfrente de la punta de avulsión.

Al monumentar el banco en 1909 encontramos que esta punta y el borde de Texas, adyacente, estaban enterradas enteramente; que el río había comido por erosión hasta penetrar al canal antiguo por el lado de abajo y luego, por acarreo y depósito, había retrocedido cortando de Texas, un poco río arriba, otro banco que actualmente estaba en el lado de México arriba del rancho del Capote. También el río estaba comiendo el terreno hacia el banco en la parte de arriba. Refiriéndonos al plano, si se hubiera tomado por desapercibido el canal antiguo en los lugares en donde sus bordes no eran visibles, habría sido necesario situar la esquina No. 1 del polígono en la orilla del río á corta distancia al Sur de la actual esquina No. 3 y haciendo seguir á la línea 1-2 un rumbo hacia el Este. Pero entonces, habría quitado al rancho del Ciprés, dándole al banco, una extensión considerable de tierra reconocida por todos como antigua y perteneciente á los Estados Unidos, y, además, el nuevo banco que está al Norte del rancho del Capote habría quedado frontero al terreno del banco del mismo nombre con la apariencia de haber sido cortado de él, siendo así que realmente era terreno viejo que perteneció y formó parte del rancho del Ciprés. Al mismo tiempo, si la esquina No. 9 hubiese cerrado el polígono tendría que haberse situado cerca de la actual esquina No. 1 del plano y el rumbo invertido habría quedado sensiblemente hacia el Noreste, con lo cual quedaría cruzada la antigua boquilla del banco.

Después de estudiar detenidamente este punto, colocamos el perímetro como lo muestra el plano: siguiendo el canal antiguo por la parte superior tanto cuanto pudimos guiarnos por las cercas y demás referencias del levantamiento de 1897-98 y continuando hasta el río en ángulo recto de la dirección que entonces guardaba y trazando la línea 8-9 por el canal antiguo hasta el terreno acrecido que comienza en la línea puntuada y siguiendo en la misma dirección hasta llegar al borde del río actual. Queda trazada casi paralelamente á la 1-2 y divide el terreno de acrecimiento que formó el río al comer el antiguo canal, retirándose después, equitativamente entre el banco y el terreno adyacente. Creemos que el trazo

channel was found in 1898 because it had been eroded away and no longer existed.

Similarly, at Phillips' Banco No. 6, the river had cut away the old channel and the point of avulsion and then moved away prior to 1898. The traverse was laid so as to divide the accretion equitably between the banco and the mainland on each side of it. The conformation of the river was such that the courses across the new ground laid at right angles to the normal channel.

Somewhat similar conditions were found at the Juanita Banco No. 42 and they were met in the same way.

#### BENAVIDES BANCO—No. 10.

The river has eroded north on the lower side of the Benavides, so that it has cut through the old channel and into the side of the banco, thus giving it two open frontages on the river. Corners 7 and 8 were set as near as may be where the present bank of the river and the middle of the old channel intersect on either side of the break, and the traverse was left open between them. The old banks were obliterated but trees and fences perpetuated the position of the old river bed.

#### RAFAEL GARCIA BANCO—No. 11.

In 1898 the Rafael Garcia banco was of ordinary shape with a rather wide frontage on the river. Since then the river has eroded into it until (see map) only a small area of the old ground of the banco is left. More than half of the old channel remains all around, so that the traverse could be laid. The banco has the form of a crescent.

#### TOLUCA BANCO—No. 32.

Since 1898 a new banco has formed in front of Toluca banco so that its old river frontage is on an abandoned channel and is, therefore, closed. The river has cut into the north side of the banco and formed a new open river frontage; we treated this as if it were the original front, placing Corner No. 1 at its upper side.

Similar conditions were found at Camargo banco No. 57.

hecho define clara y propiamente el límite del banco, conformándose al Tratado. No pudimos localizarlo, por la parte de abajo, en la posición que ocupaba el canal en 1898 porque dicha parte quedó destruída por la erosión y ya no existía.

De semejante modo procedimos al tratar del banco No. 6 "Phillips," pues el río había comido el canal viejo desde antes de 1898 y la punta de avulsión, retirándose luego, y el polígono se trazó de manera que dividiese el terreno acrecido, entre el banco y el terreno adyacente lateral. La posición relativa del río era de tal modo que las líneas del polígono que unían el banco al río á través de esta acreción quedaban en ángulo recto con el canal normal.

Condiciones semejantes fueron las encontradas en el banco No. 42 de "Santa Juanita," y se resolvieron de la manera expresada.

#### BANCO No. 10, DE "BENAVIDES."

El río había destruido erosivamente el terreno al Norte del banco por la parte lateral, hasta comer el antiguo canal y parte del banco mismo dejándolo con dos frentes hacia el río. Las esquinas 7 y 8 se colocaron lo más cerca posible del punto en que el actual borde del río y el centro del cauce intersectan dejando abierto el polígono entre ellas. Fué preciso guiarse por los árboles y cercados para restablecer el antiguo canal, que estaba cubierto enteramente.

#### BANCO No. 11, DE RAFAEL GARCIA.

En 1898, este banco afectaba la forma ordinaria, aunque con un frente algo extendido á lo largo del río. Desde esa época comenzó á reducirse por efectos de la erosión (véase el plano) hasta que sólo una pequeña parte del área original quedaba. Más de la mitad del antiguo canal permanece aún en derredor, y en ella se trazó el polígono. Tiene este banco una forma semicircular.

#### BANCO No. 32, DE TOLUCA.

En frente del banco de Toluca, se formó un banco nuevo quedando en la actualidad la antigua boquilla cerrada y dando frente á un estero del canal abandonado. Pero el río ha cortado el terreno por su lado del Norte y formado allí un nuevo frente que es ahora la boquilla, y en él colocamos el vértice número 1, en su extremo superior, como si hubiera sido el antiguo frente ó boquilla original.

Circunstancias análogas concurrieron en el banco No. 57, de Camargo.

#### LAS RUCIAS BANCO—No. 19.

Before Las Rucias banco cut off the river shifted by erosion and deposit quite a distance to the south. Beside Las Rucias ranch was Las Sierritas banco and about half of the deposit resulting from this shifting was added to it. When Las Rucias cut off the river it also cut Las Sierritas banco in two, throwing the point of avulsion, together with its accretion, back onto the south side of the river, it being separated from the Mexican mainland, however, by the old river bed. Therefore, the east side of Las Rucias traverse (Course 6-7) simply splits the new ground, giving to each banco its proper share.

#### ESTRADA BANCO—No. 50.

In 1898 we found a small sand bar in front of Peñitas ranch, which had been cut from Mexico in 1897. In January, 1909, we failed, after a careful search, to find any sign of the old channel back of this banco. Apparently, the river had eroded the banco entirely away and then retreated to the south by erosion and deposit. We believe that this had occurred and that nothing was left of the banco, so that we could find nothing to put a traverse around and therefore none was run.

#### SANTO DOMINGO BANCO—No. 55.

After the survey of 1897-8 the river cut off a new banco in front of Santo Domingo, so that the latter lost its open river frontage. It was given a closed traverse which runs to the center of the old river bed now fronting it.

Similarly, La Bolsa No. 27 and Rosario No. 31 have closed traverses.

#### GARZA BANCO—No. 56.

Camargo banco No. 57 was cut off from the United States in 1892. The river immediately began to erode away its front, transferring quite a large area to the north or left side of the river. In 1897, when the loop above Camargo banco cut, forming Izaguirre banco No. 58, it also cut across this new ground, throwing it back by avulsion on to the south side of the river and in front of Camargo banco. This formed a new banco—Garza No. 56—which was entirely independent of Camargo banco, although it had been formed by erosion from it and occupied space formerly filled by it. A traverse was

#### BANCO No. 19, DE "LAS RUCIAS."

Anteriormente al corte del banco de "Las Rucias," había rebajado el río por acarreo y depósito una distancia considerable hacia el sur. Al lado del rancho de "Las Rucias," estaba el banco de "Las Sierritas," y la mitad del terreno de depósito acreció el banco. Al cortarse el de "Las Rucias," el río también dividió el banco de Las Sierritas por mitad dejándole la punta de avulsión y el terreno que se le agregó en la parte de atrás, por el lado Sur del río. Por consiguiente, al lado oriental del banco de "Las Rucias" (entre los vértices 6 y 7) divide el terreno acrecido.

#### BANCO No. 50, DE ESTRADA.

En 1898 encontramos una pequeña barra de arena enfrente del Rancho de Peñitas que había sido segregada del lado mexicano el año anterior. En Enero de 1909, después de un estudio cuidadoso no encontramos huella del canal viejo en la parte posterior de este banco. Creemos que el río lo destruyó enteramente por movimiento erosivo, y que luego al retroceder hacia el Sur formó terreno nuevo por acarreo y depósito sin dejar nada del banco, por lo que no pudimos encontrar lugar para localizar un polígono: por consiguiente no lo hicimos.

#### BANCO No. 55, DE SANTO DOMINGO.

Después del estudio de 1897-98 el río cortó un banco nuevo enfrente de Santo Domingo, de modo que el último perdió su antigua boquilla. Consecuentemente el perímetro quedó cerrado por el centro del antiguo lecho.

Análogas circunstancias se encontraron en los bancos No. 27 de la Bolsa y No. 31 del Rosario, que quedaron con las boquillas cerradas.

#### BANCO No. 56, DE GARZA.

El banco de Camargo, No. 57, se cortó de los Estados Unidos en 1892. Comenzó el río inmediatamente á destruir su frente haciendo pasar una gran parte de su área á la márgen izquierda del río. En 1897, cuando la gran vuelta arriba del banco de Camargo se cortó, y á la vez formó el banco de "Izaguirre," No. 58, cortó también á través del terreno nuevo haciéndolo pasar por corte avulsivo á la margen derecha y enfrente del banco de Camargo. Así quedó formado un banco nuevo que se denominó de "Garza," No. 56, que quedó enteramente independiente del de Camargo, á pesar de haber sido

laid around it which was independent of the Camargo traverse although two sides are common to both.

On bancos Nos. 5, 7, 8, 10, 11, 13, 17, 18, 20, and 26 fence lines or trees were assumed to perpetuate the location of the old river bed and were used as guides in laying the traverses. The most novel and interesting of these was:

#### LA ISLA BANCO—No. 8.

In 1898 the river was not so crooked as now in front of La Isla banco. Tahuachal ranch laid to the east of the banco. Since then the river has eroded away the banco's front, lengthened the loop to the east and cut into the southeastern side of the banco, so isolating quite a body of land which forms a part of the Tahuachal ranch. If it were assumed that the old channel had disappeared when its banks could not be traced on the ground, the traverse would have stopped at Corner No. 9 and all of this loop would have gone to the banco. There were no trees along the old fence line but, where the river had cut into the old bed just north of the ranch, we saw three fences, one on top of the other, the lower two of which had been buried by the deposit from successive overflows having filled the old channel. Across the neck connecting the banco with the bend to the east, the line of these fences was marked by a new one with small mesquite posts. It was considered that the buried fences were positive evidence of the location of the old river bed, although its banks were obliterated, and Corners 10 and 11 were, therefore, set, thus segregating from the banco the land in the loop. This gives La Isla two open frontages on the river.

An examination of the maps will show the way that the problems were solved in bancos Nos. 5, 7, 11, 17, 18, 20, and 26. In each, dependence was placed on what seemed to be trustworthy evidence of the original location of the old river bed, even though its banks were invisible. The position taken was, that when the old channel had not been destroyed by erosion and could, by any means, be definitely located, it could not be said to have disappeared in the sense of the term as used in the Treaty.

In a few cases it was necessary to change the location of the dotted red line shown on the map of the survey of 1897-8, either in order to follow more closely the Treaty stipulations or to conform to

desprendido de él por erosión y de ocupar en la actualidad un lugar que primitivamente le perteneció á ese banco. Se trazó un polígono independiente del de Camargo aunque con dos de sus lados comunes á ambos.

En los bancos Nos. 5, 7, 8, 10, 11, 13, 17, 18, 20 y 26 los alineamientos de las cercas ó de los árboles se asumieron como trazos perpetuados del antiguo lecho del río, y sirvieron para situar los polígonos. El caso más interesante y singular fué el No. 8 de la Isla.

#### BANCO No. 8, DE "LA ISLA."

En 1898, el río no estaba tan sinuoso como ahora enfrente del banco de "La Isla"; al Este del banco se encontraba el banco del Tahuachal; desde entonces el río ha rebajado el frente por erosión alargando la vuelta que hace el río al Este y cortando el lado Sur del banco, con lo que quedó aislada una considerable extensión de terreno, parte integrante del rancho del Tahuachal.

Si se hubiera querido aplicar la regla del Tratado sin atender á la posición que guardaba el antiguo lecho en la parte angosta de la gran vuelta, el polígono se habría terminado en la esquina No. 9 y toda la extensión de tierra mencionada habría quedado abarcada por él dándosela al banco. No había árboles á lo largo de la antigua cerca, pero donde el río había penetrado al canal viejo justamente al Norte del rancho, vimos tres cercas superpuestas, de las cuales las dos primeras habían sido enterradas por los depósitos sucesivos acarreados por las crecientes. A través de la parte angosta ó istmo, la dirección de la cerca estaba marcada con nuevos postes de mezquite. La existencia de las cercas enterradas era prueba evidente de la localización antigua del lecho del río en esa parte y convenientemente establecimos la línea entre los vértices Nos. 10 y 11 separando del banco aquella porción de terreno que forma la gran vuelta. Quedó así el banco de La Isla con dos frentes al río.

El examen de los planos muestra cómo resolvimos los casos de los bancos Nos. 5, 7, 11, 17, 18, 20 y 26, guiándonos siempre por aquello que, en nuestro concepto, constituía una evidencia de la antigua situación del lecho abandonado, aun en los casos en que las márgenes de éste habíanse borrado por completo, y fundándonos en que, cuando el canal antiguo no había sido destruido por desgaste erosivo del río, podía restablecerse é identificarse con precisión y no podía considerarse como desaparecido en el sentido del vocablo que emplea el Tratado.

changed conditions brought about by the shifting of the river's channel during the last twelve years. The following two cases are the most important of these:

#### SANTA JUANITA—No. 34.

When the survey was made in 1898, it was stated that the point of avulsion of the Santa Juanita banco was on its south end and that the river moved south away from it, giving it a long strip of accretion which laid across a large cultivated field. There was doubt as to the correctness of this statement regarding the accretion. The physical conditions indicated that it might be true but did not fully confirm it. Between 1898 and 1909 the river eroded into the old river bed on the west side of the banco; this made the logical frontage on that side. We followed the Treaty provisions and laid the traverse from this frontage.

#### BLANCO BANCO—No. 36.

After a most careful study of the conditions at Blanco banco, we concurred in the opinion that the original point of avulsion of this banco was to the west instead of to the east, as shown on the 1897-8 map. The river had, however, eroded into the east side and then retreated. The traverse was laid as shown by joining the ends of the bit of old channel which remained with the river, as provided for in the Treaty, thus giving accretion to the banco on all sides except the south.

The Ojo de Agua banco No. 49 and the Camargo banco No. 57 are cases where the change in the position of the river channel necessitated variation from the 1897-8 maps. The latter (Camargo) now has an open river frontage, which it did not have in 1897-8.

It is believed that a careful study of the cases cited above and of all the maps of these 57 bancos will lead to the conclusion that no treaty could be written which would, in one or two sentences, specifically cover all the cases which may arise; and

En pocos casos fué preciso modificar el curso indicado por la línea roja puntuada del estudio de 1897-98, unas veces para apegarnos más á las prescripciones del Tratado y otras para acomodar los trazos á las condiciones actuales de los cauces que la continua divagación del río corriente ha modificado durante los últimos 12 años. He aquí dos de los más importantes casos:

#### BANCO No. 34, DE "SANTA JUANITA."

Cuando se hizo el estudio, en 1898, se dijo que la punta de avulsión del banco de Santa Juanita queda en su extremo Sur y que el río se movió más al Sur de este sitio dando al banco una larga faja que quedó á través de un gran terreno de labor.

Había dudas respecto á la veracidad de esta asección en cuanto á la acreción referida. Las señales físicas del terreno daban lugar á darle cierto crédito sin llegar á confirmar la suposición. Antes del presente año, el río rebajó por erosión el lecho antiguo y el terreno del banco por el lado occidental y le dió legítimamente un frente hacia el río. De acuerdo con la prescripción del Tratado trazamos el polígono y lo comenzamos en esta boquilla.

#### BANCO No. 36, "LA BLANCA."

Estudiando detenidamente, las condiciones del banco de "La Blanca," convenimos al fin en que la boquilla original quedaba por el lado del Oeste y no por el Este como aparece en los planos de 1897-98. Sin embargo, ha destruido el río la margen por este último lado y después se ha alejado de ella.

El polígono se marcó como lo muestra el plano, ligando los extremos existentes del canal antiguo con las márgenes del río, como lo ordena el Tratado.

El banco No. 49, de "Ojo de Agua," y el No. 57 de "Camargo," son casos en que fué necesario modificar el trazo rojo puntuado de 1897-98 á causa de los cambios ocasionados por el río en su continuo divagar. El último banco citado (de Camargo) tiene ahora un frente al río, que no tenía en la época del estudio (1897-98).

Es de creerse que un estudio atento de los casos citados y de los planos de estos 57 bancos conducirá á la conclusión de que ningún Tratado podrá abarcar, únicamente en una ó dos cláusulas, la diversidad de casos que pueden suscitarse, y que sólo una aplica-

that a liberal and intelligent application of the terms of the present Treaty will give good results.

Respectfully submitted,  
W. W. FOLLETT, E. ZAYAS,  
*U. S. Cons. Engineer.* *Ing. Cons. Mexicano.*

ción inteligente y liberal de los términos del Tratado existente podrá producir resultados satisfactorios.

Sometiendo lo anterior á la superior aprobación de ustedes, les reiteramos nuestra respetuosa consideración.

Firmados.

E. ZAYAS, W. W. FOLLETT,  
*Ing. Cons. Mexicano.* *U. S. Cons. Engineer.*

DEPARTMENT OF STATE,  
WASHINGTON.

March 29, 1910.

BRIGADIER-GENERAL ANSON MILLS, U. S. A.,  
*Commissioner on the part of the United States,  
International Boundary Commission, United  
States and Mexico,*

SIR: The Department acknowledges the receipt of your letter of the 12th instant, transmitting a Joint Journal, in Spanish and English, of March 10, 1910, together with maps, this being the last act of your Commission covering the work of monumenting the old bancos in the lower Rio Grande specifically mentioned in Article I of the Treaty of 1905 for the Elimination of Bancos in the Rio Grande.

The Journal and maps above mentioned are approved by the Department.

Authority is hereby granted to publish the same and to distribute them among the parties interested therein at as early a date as possible.

I am, sir,

Your obedient servant,  
For MR. KNOX,  
HUNTINGTON WILSON,  
*Assistant Secretary of State.*

EN SELLO DE LA SECRETARÍA DE RELACIONES  
EXTERIORES DE MÉXICO.

Méjico, 29 de Marzo de 1910.

Con la nota de usted de 14 del actual, recibí los ejemplares en castellano y en inglés de una Acta de esa Comisión Mixta, fechada el día 10 último, así como los planos originales en castellano á que alude el Acta citada.

En respuesta manifiesto á usted que esta Secretaría, de acuerdo en todo con las razones que tuvieron en cuenta, tanto usted como su colega americano, así como los antecedentes por los cuales se hizo la monumentación de bancos eliminados por el Tratado de 20 de Marzo de 1905, aprueba el Acta de esa Comisión Mixta del día 10 último.

Reitero á usted mi consideración.

P. O. del Sr. Srio.

El Subsecretario,

F. GAMBOA

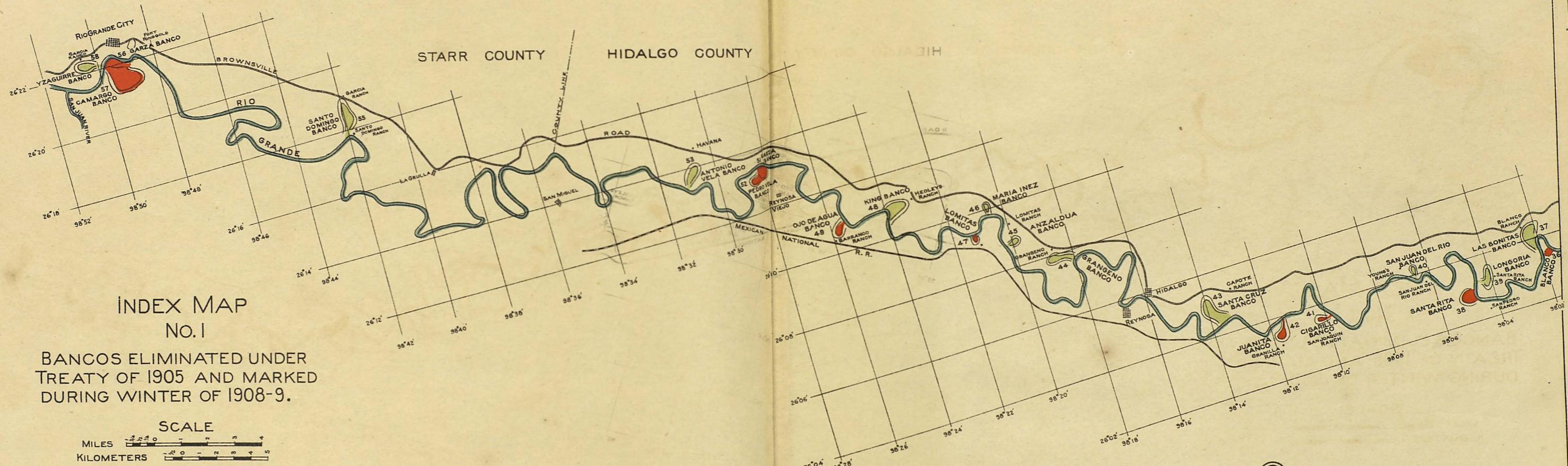
*Al Jefe de la Comisión Mexicana de Límites  
entre México y los Estados Unidos.  
El Paso, Texas.*

## LIST OF BANCOS ELIMINATED.

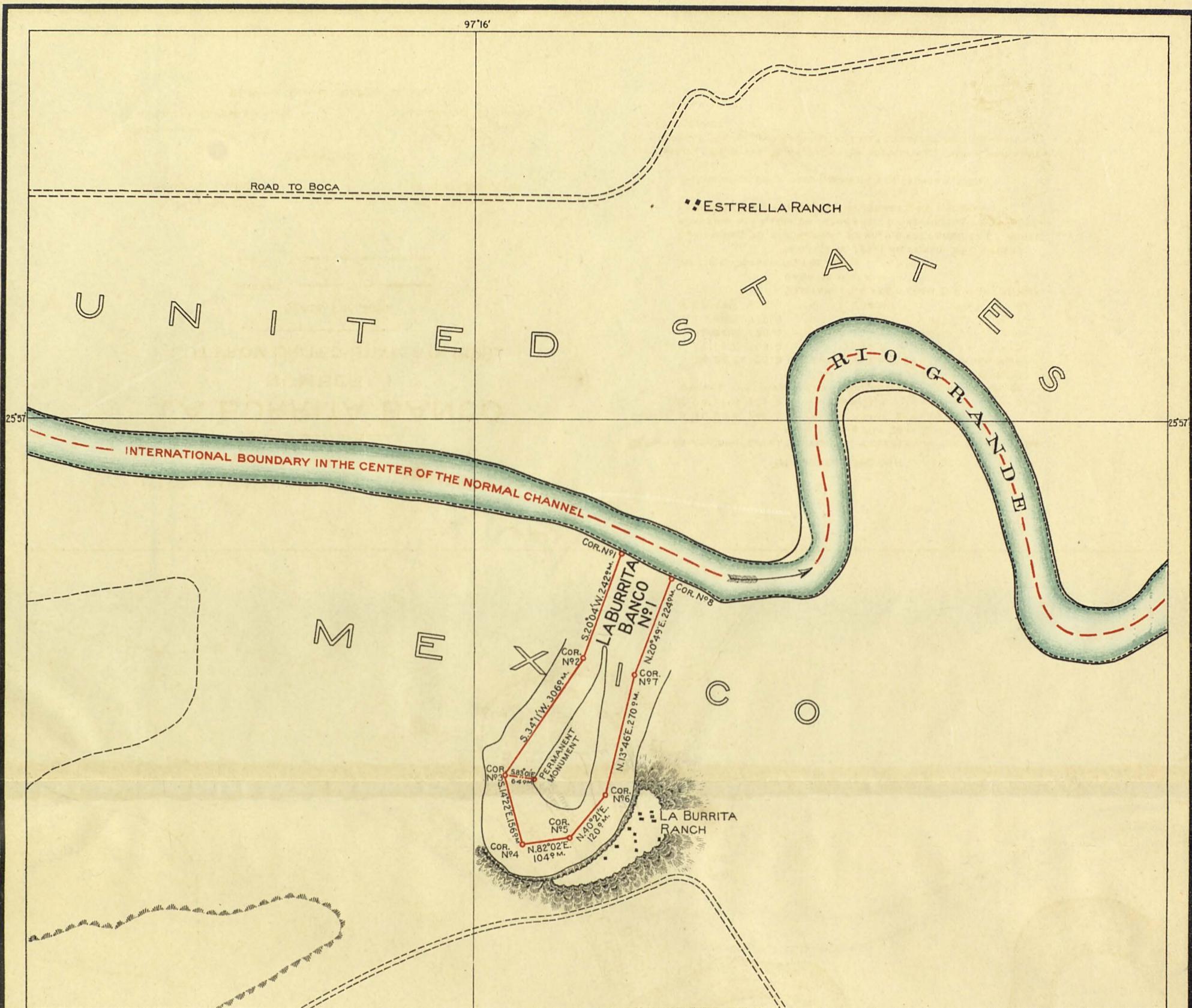
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- |                           |                          |
|---------------------------|--------------------------|
| No. 1—Burrita.            | No. 29—Villarreales.     |
| No. 2—San Juan de Arriba. | No. 30—Santa Margarita.  |
| No. 3—Longoreño.          | No. 31—Rosario.          |
| No. 4—La Canasta.         | No. 32—Toluca.           |
| No. 4½—Fernandez.         | No. 33—Argüelles.        |
| No. 5—Treviño Canales.    | No. 34—Santa Juanita.    |
| No. 6—Phillips.           | No. 35—Eurestes.         |
| No. 7—Tahuachalito.       | No. 36—Blanco.           |
| No. 8—La Isla.            | No. 37—Las Bonitas.      |
| No. 9—Tahuachal.          | No. 38—Santa Rita.       |
| No. 10—Benavides.         | No. 39—Longoria.         |
| No. 11—Rafael Garcia.     | No. 40—San Juan del Rio. |
| No. 12—Fresnal.           | No. 41—Cigarillo.        |
| No. 13—Capote.            | No. 42—Juanita.          |
| No. 14—Llanito.           | No. 43—Santa Cruz.       |
| No. 15—Combe.             | No. 44—Grangeno.         |
| No. 16—Panola.            | No. 45—Anzaldúa.         |
| No. 17—Mainero.           | No. 46—Maria Inez.       |
| No. 18—Las Sierritas.     | No. 47—Lomitas.          |
| No. 19—Las Rusias.        | No. 48—King.             |
| No. 20—Las Tranquitas.    | No. 49—Ojo de Agua.      |
| No. 21—Venado.            | No. 51—Garza.            |
| No. 22—Turner.            | No. 52—Pedro Vela.       |
| No. 23—Soliseño.          | No. 53—Antonio Vela.     |
| No. 24—Villitas.          | No. 55—Santo Domingo.    |
| No. 25—Palma.             | No. 56—Garza.            |
| No. 26—El Zurrón.         | No. 57—Camargo.          |
| No. 27—La Bolsa.          | No. 58—Yzaguirre.        |
| No. 28—Cantú.             |                          |

# UNITED STATES



M E X I C O



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**LA BURRITA BANCO**  
NUMBER I

CUT FROM UNITED STATES IN 1895

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 500 1000

W.W. Follett  
CONSULTING ENGINEER

E. Payas.  
INGENIERO CONSULTOR

APPROVED

Austin Mills  
AMERICAN COMMISSIONER

F.J. Payas  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 20°04'W. 242.0 METERS ( 794.0 FEET) TO CORNER No. 2,

" S. 34°11'W. 306.0 " (1003.9 " 1 " " 3;—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 83°01'E. 64.0 METERS ( 210.0 FEET).

" S. 14°22'E. 156.0 METERS ( 511.8 FEET) TO CORNER No. 4,

" N. 82°02'E. 104.0 " ( 341.2 " ) " " 5,

" N. 40°21'E. 120.0 " ( 393.7 " ) " " 6,

" N. 13°46'E. 270.0 " ( 885.9 " ) " " 7,

" N. 20°49'E. 224.0 " ( 734.9 " ) " " 8,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

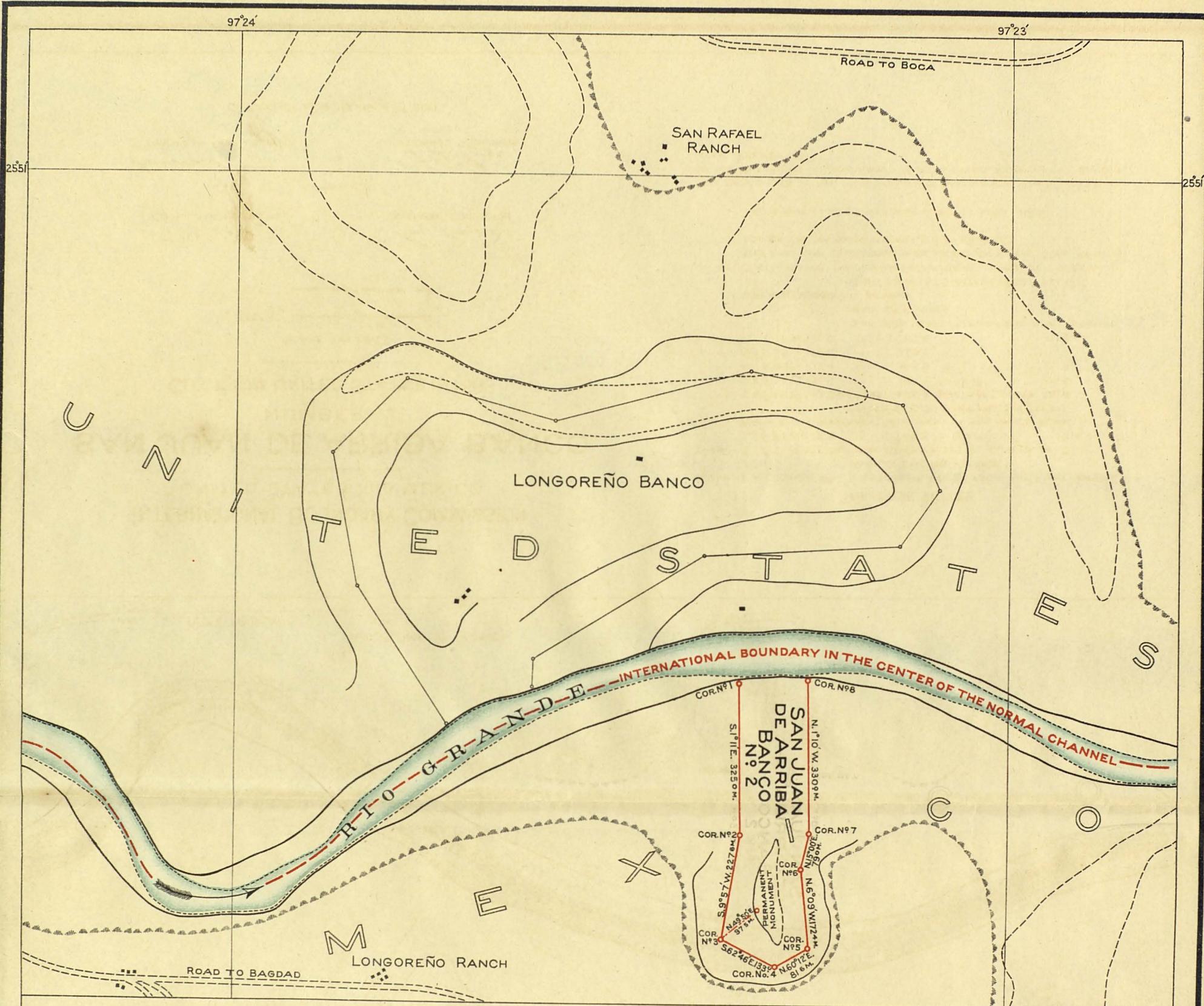
WHENCE CORNER No. 1 BEARS—

N. 63°32'W. 121.1 METERS ( 397.3 FEET).

CONTAINING TO THE NORMAL BANK, 9.6 HECTARES (23.7 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN APRIL, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, SOUTH  
OF ESTRELLA RANCH, AND ABOUT 12 KILOMETERS WEST OF THE MOUTH OF  
THE RIO GRANDE.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**SAN JUAN DE ARRIBA BANCO**  
NUMBER 2

CUT FROM UNITED STATES IN 1885

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*F.J. Payas*  
COMISIONADO MEXICANO

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 1° 11'E. 325.0 METERS (1066.2 FEET) TO CORNER NO. 2,  
" S. 9° 57'W. 227.6 " ( 746.8 " ) " " 3 "-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
N. 49° 50'E. 97.5 METERS (319.9 FEET).

" S. 6° 24'E. 133.0 METERS (436.4 FEET) TO CORNER NO. 4,  
" N. 60° 12'E. 81.6 " ( 267.7 " ) " " 5,  
" N. 6° 09'W. 172.4 " ( 565.6 " ) " " 6,  
" N. 11° 00'E. 79.0 " ( 259.2 " ) " " 7,  
" N. 1° 10'W. 330.0 " ( 1082.6 " ) " " 8,

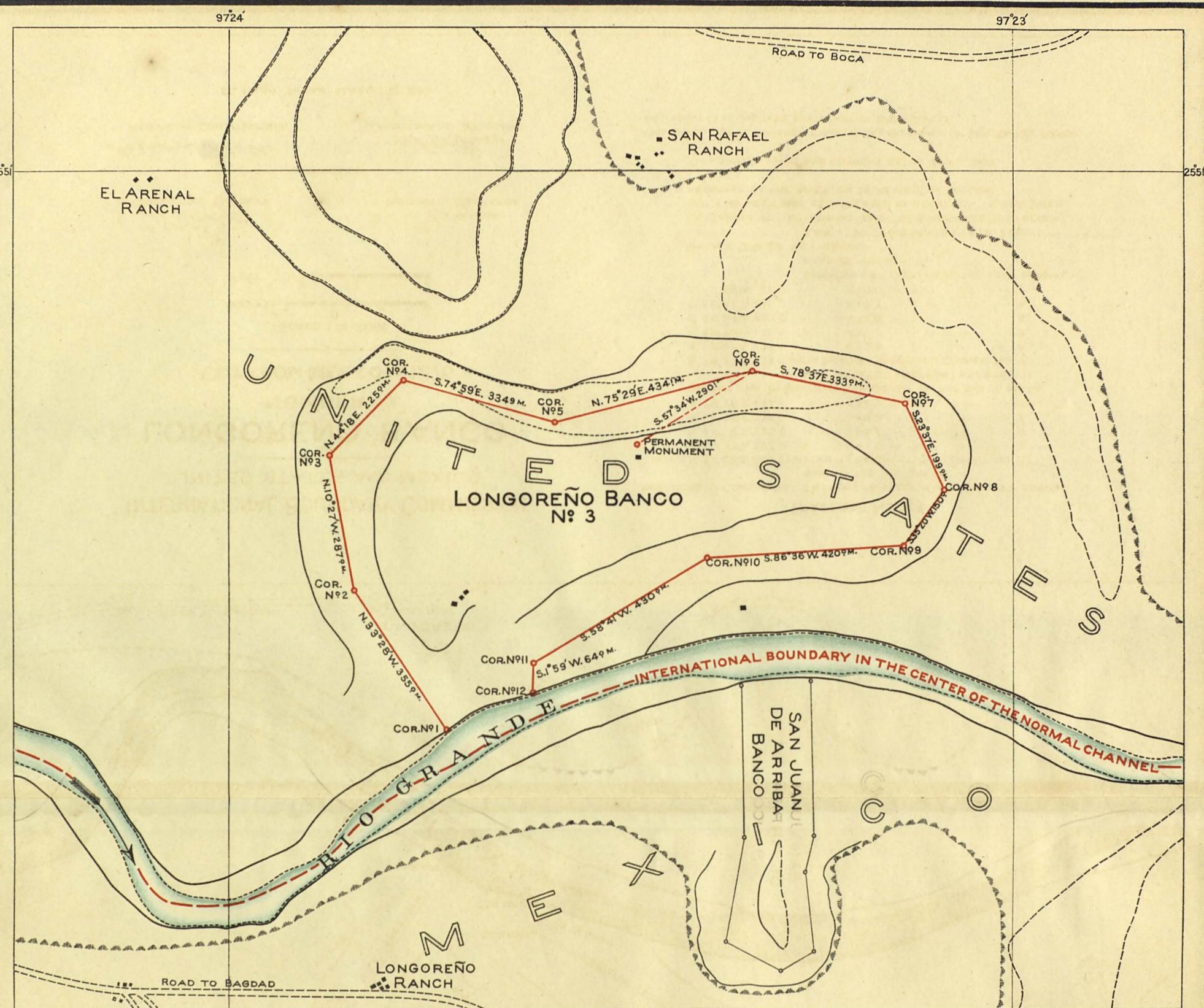
5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS -  
S. 86° 58'W. 152.0 METERS (498.7 FEET).  
CONTAINING TO THE NORMAL BANK, 94 HECTARES (23.2 ACRES), BUT  
THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN APRIL, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, SOUTH  
OF SAN RAFAEL RANCH, AND ABOUT 14 KILOMETERS SOUTHEAST OF BROWNSVILLE, TEXAS.

EL PASO, TEXAS. MARCH 10, 1910.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
**LONGOREÑO BANCO**  
NUMBER 3  
CUT FROM MEXICO IN 1876

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payno*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*J. J. Payno*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE :—

THENCE N. 33° 28' W. 355.0 METERS (1164.8 FEET) TO CORNER NO. 2,  
" N. 1° 27' W. 287.0 " (941.6 " ) " " " 3,  
" N. 44° 18' E. 225.0 " (738.2 " ) " " " 4,  
" S. 74° 59' E. 334.9 " (1098.7 " ) " " " 5,  
" N. 75° 29' E. 434.1 " (1424.2 " ) " " " 6:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS S. 57° 34' W. 290.1 METERS (951.8 FEET).

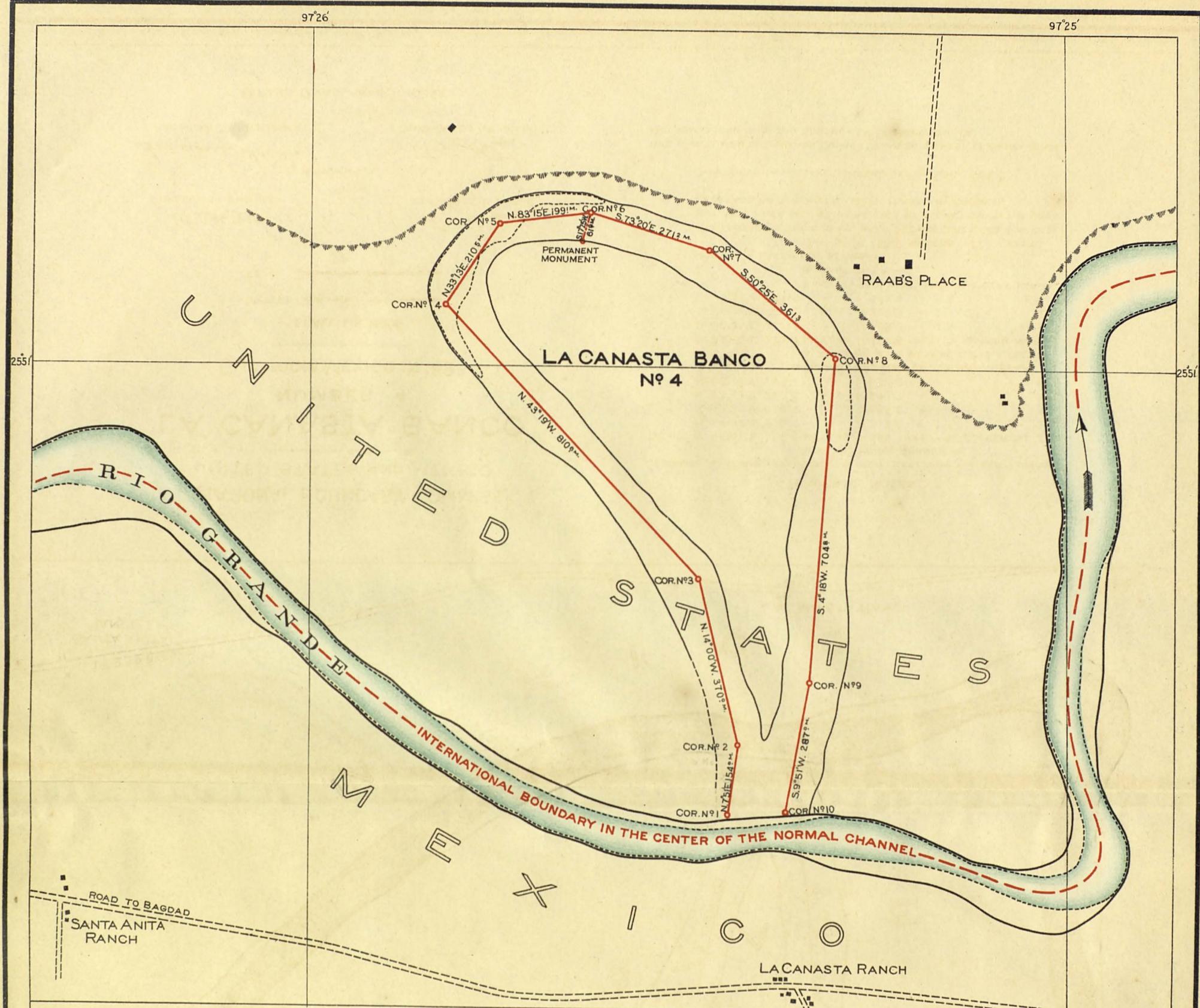
" S. 78° 37' E. 333.0 METERS (1092.5 FEET) TO CORNER NO. 7,  
" S. 23° 37' E. 199.0 " (652.9 " ) " " " 8,  
" S. 35° 20' W. 150.0 " (492.1 " ) " " " 9,  
" S. 86° 36' W. 420.0 " (1377.9 " ) " " " 10,  
" S. 58° 41' W. 430.0 " (1410.7 " ) " " " 11,  
" S. 1° 59' W. 64.0 " (210.0 " ) " " " 12,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER :—

WHENCE CORNER NO. 1 BEARS—  
S. 66° 47' W. 200.0 METERS (656.2 FEET).  
CONTAINING TO THE NORMAL BANK, 55.9 HECTARES (138.1 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN APRIL, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTH OF SAN RAFAEL RANCH,  
AND ABOUT 13 KILOMETERS SOUTHEAST OF BROWNSVILLE.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

LA CANASTA BANCO  
NUMBER 4  
CUT FROM MEXICO IN 1895

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gayarre*  
INGENIERO CONSULTOR

*Aaron Mills*  
AMERICAN COMMISSIONER

APPROVED

*A. P. Bryan*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 7°51'E. 154.0 METERS ( 505.3 FEET) TO CORNER NO. 2,  
 " N. 14°00'W. 370.0 " (1213.9 " ) " " 3,  
 " N. 43°19'W. 810.6 " (2659.5 " ) " " 4,  
 " N. 33°13'E. 210.5 " ( 690.7 " ) " " 5,  
 " N. 83°15'E. 199.1 " ( 653.2 " ) " " 6;—

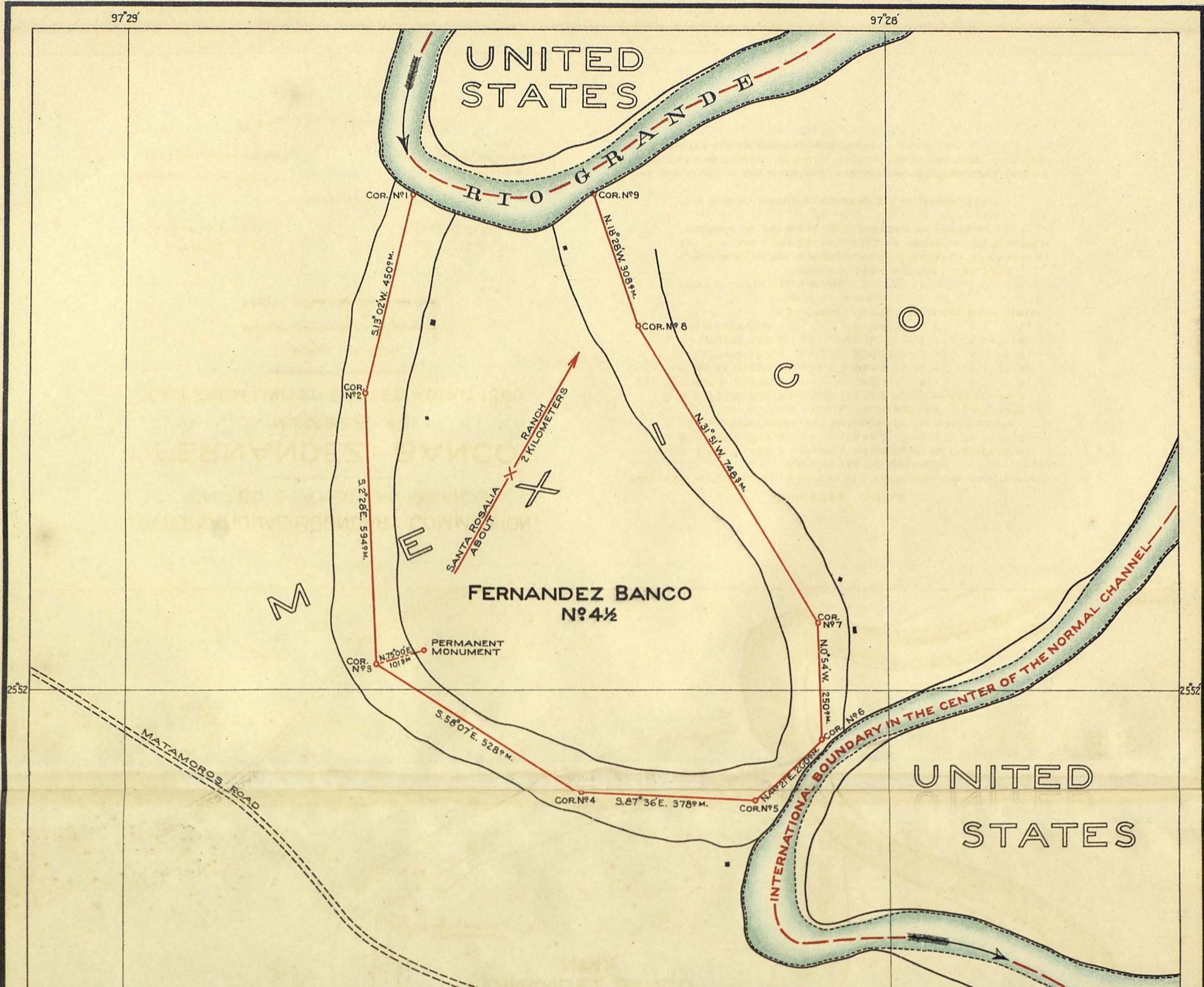
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 17°25'W. 61.9 METERS ( 203.1 FEET).  
 " S. 73°20'E. 271.2 METERS ( 889.8 FEET) TO CORNER NO. 7,  
 " S. 50°25'E. 361.3 " (11185.3 " ) " " 8,  
 " S. 4°18'W. 704.8 " (2312.3 " ) " " 9,  
 " S. 9°51'W. 287.0 " ( 941.6 " ) " " 10,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—  
 S. 86°36'W. 125.0 METERS ( 410.1 FEET).  
 CONTAINING TO THE NORMAL BANK, 51.2 HECTARES (126.5 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN APRIL, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTHWEST OF RAAB'S PLACE,  
 AND ABOUT 10 KILOMETERS SOUTHEAST OF BROWNSVILLE.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

FERNANDEZ BANCO  
NUMBER 4½

CUT FROM UNITED STATES ABOUT 1860

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Austin Mills*  
AMERICAN COMMISSIONER

*J.D. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910

TRAVERSE NOTES

BEGINNING AT CORNER NO.1,5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

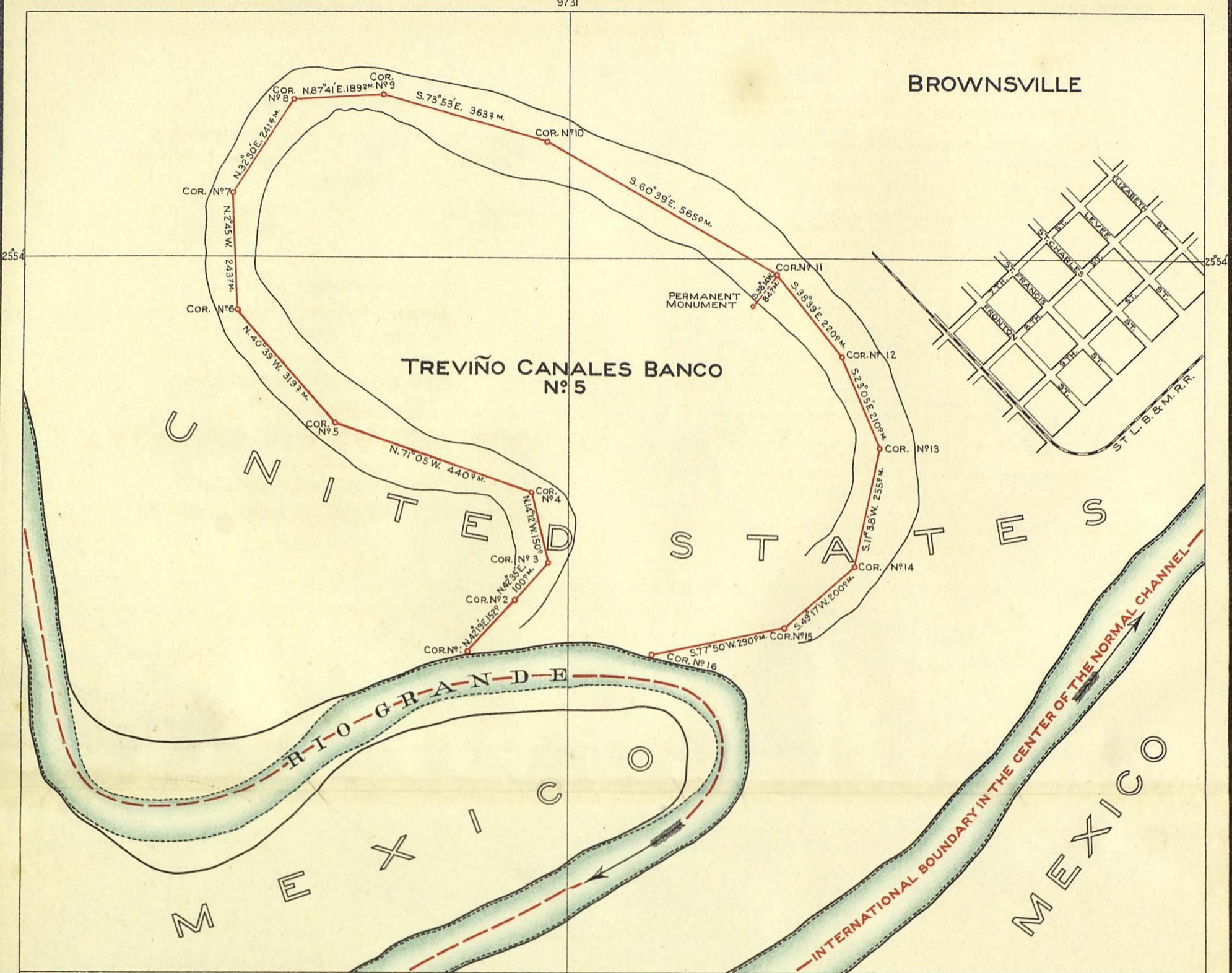
THENCE S. 13°02'W. 450.0 METERS (1476.3 FEET) TO CORNER NO. 2.  
" S. 2°28'E. 594.0 " (1948.8 " ) " " 3:—  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
N. 75°00'E. 101.9 METERS (334.3 FEET).  
" S. 58°07'E. 528.0 METERS (1732.3 FEET) TO CORNER NO.4.  
" S. 87°36'E. 378.0 " (1240.1 " ) " " 5.  
" N. 44°21'E. 200.0 " (656.2 " ) " " 6.  
" N. 0°54'W. 250.0 " (820.2 " ) " " 7.  
" N. 31°51'W. 748.3 " (2455.1 " ) " " 8.  
" N. 18°28'W. 308.6 " (1012.4 " ) " " 9.

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

WHENCE CORNER NO.1 BEARS—  
N. 89°14'W. 393.6 METERS (1291.3 FEET).  
CONTAINING TO THE NORMAL BANK, 90.7 HECTARES (224.1 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, ABOUT 2 KILOMETERS SOUTHWEST OF SANTA ROSALIA RANCH AND ABOUT 5 KILOMETERS SOUTHEAST OF BROWNSVILLE, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**TREVINO CANALES BANCO  
NUMBER 5**  
CUT FROM MEXICO IN 1892

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Paya.*  
INGENIERO CONSULTOR

APPROVED

*A. H. Mills*  
AMERICAN COMMISSIONER

*F. G. Paya*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

BROWNSVILLE

TRAVERSE NOTES

BEGINNING AT CORNER NO. 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 42° 19'E. 152.0 METERS (498.7 FEET) TO CORNER NO. 2,  
 " N. 42° 35'E. 100.0 " (328.1 " ) " " " 3,  
 " N. 14° 12'W. 150.0 " (492.1 " ) " " " 4,  
 " N. 71° 05'W. 440.0 " (1443.5 " ) " " " 5,  
 " N. 40° 39'W. 319.2 " (1047.2 " ) " " " 6,  
 " N. 2° 45'W. 243.7 " (799.6 " ) " " " 7,  
 " N. 32° 30'E. 241.6 " (792.7 " ) " " " 8,  
 " N. 87° 41'E. 189.2 " (620.8 " ) " " " 9,  
 " S. 73° 53'E. 363.2 " (1191.5 " ) " " " 10,  
 " S. 60° 39'E. 565.0 " (1853.7 " ) " " " 11:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 38° 14'W. 84.7 METERS (277.9 FEET).  
 " S. 38° 39'E. 220.0 METERS (721.8 FEET) TO CORNER NO. 12,  
 " S. 23° 05'E. 210.0 " (689.0 " ) " " " 13,  
 " S. 11° 38'W. 255.0 " (836.6 " ) " " " 14,  
 " S. 49° 17'W. 200.0 " (656.2 " ) " " " 15,  
 " S. 77° 50'W. 290.0 " (951.5 " ) " " " 16.

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—  
 N. 88° 08'W. 391.5 METERS (1284.4 FEET).  
 CONTAINING TO THE NORMAL BANK 100.9 HECTARES (249.3 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 1 KILOMETER SOUTH-WEST OF BROWNSVILLE.

TRAVERSE NOTES

BEGINNING AT CORNER No.1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 53°00'E. 150.0 METERS (492.1 FEET) TO CORNER No.2,  
 " N. 36°57'E. 395.0 " (1295.9 " ) " " 3,  
 " N. 13°45'E. 610.0 " (2001.3 " ) " " 4,  
 " N. 86°45'E. 200.0 " (656.2 " ) " " 5:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 32°52'W. 157.4 METERS (516.4 FEET).

" S. 1°45'E. 772.0 METERS (2532.8 FEET) TO CORNER No.6,  
 " S. 21°00'W. 255.0 " (836.6 " ) " " 7,  
 " S. 75°00'W. 205.0 " (672.6 " ) " " 8,  
 " S. 30°30'W. 270.0 " (885.9 " ) " " 9,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER No.1 BEARS—

N. 46°18'W. 413.7 METERS (1357.2 FEET).  
 CONTAINING TO THE NORMAL BANK, 45.1 HECTARES (111.4 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 3 KILOMETERS  
 NORTHWEST OF BROWNSVILLE.

INTERNATIONAL BOUNDARY COMMISSION  
 UNITED STATES AND MEXICO

**PHILLIPS BANCO**

NUMBER 6

CUT FROM MEXICO IN 1875

SCALE 1 IN 10000

METERS 0 100 200 300

FEET 0 100 200 300

*W.W. Follett*  
 CONSULTING ENGINEER

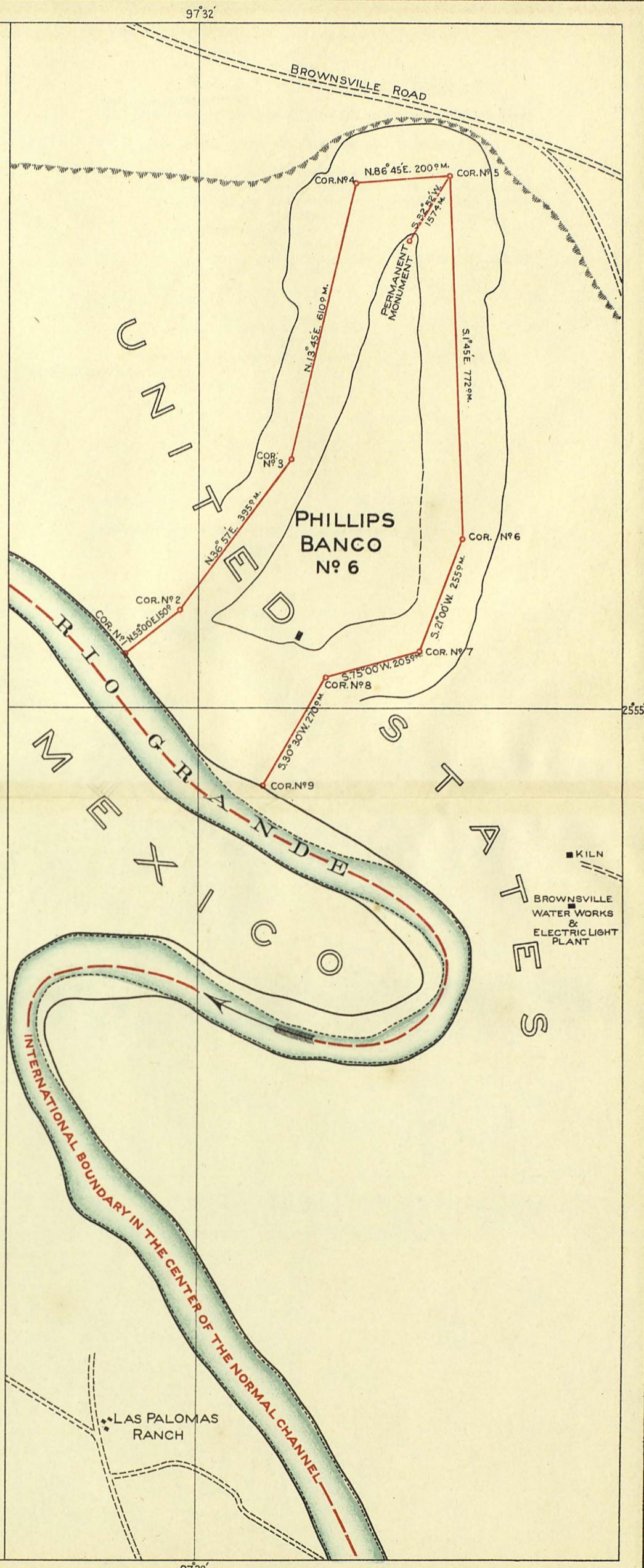
*E. Paya.*  
 INGENIERO CONSULTOR

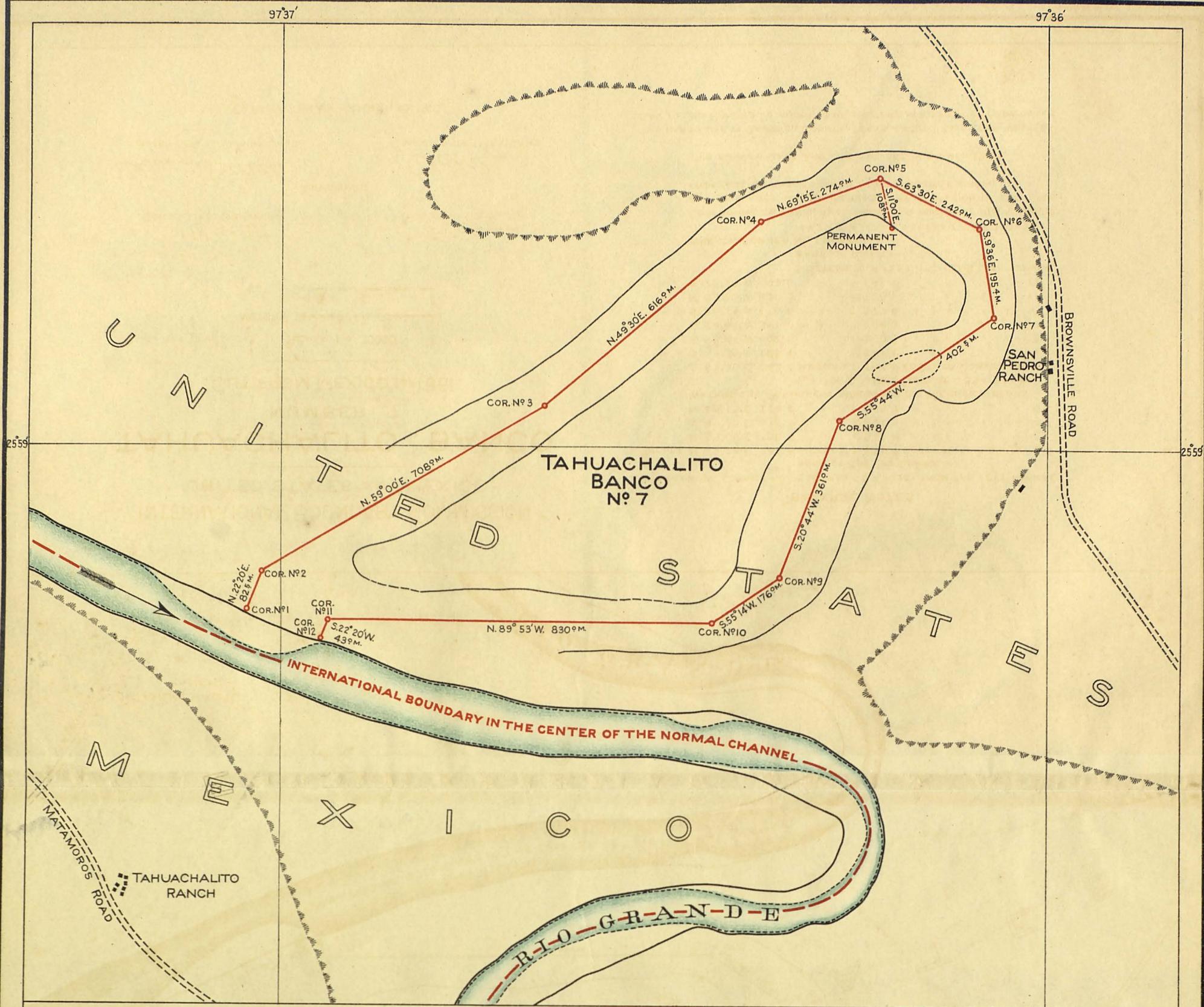
APPROVED

*A. C. Miller*  
 AMERICAN COMMISSIONER

*J. J. Paya*  
 COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

TAHUACHALITO BANCO  
NUMBER 7  
CUT FROM MEXICO IN 1861

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*F. Payas.*  
INGENIERO CONSULTOR

APPROVED

*A. Sison Mills*  
AMERICAN COMMISSIONER

*J. J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:

THENCE N. 22°20'E. 82.5 METERS (270.7 FEET) TO CORNER NO. 2,  
" N. 59°00'E. 708.0 " (2322.8 " ) " " 3,  
" N. 49°30'E. 616.0 " (2021.0 " ) " " 4,  
" N. 69°15'E. 274.0 " (899.0 " ) " " 5;

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 11°00'E. 108.0 METERS (354.3 FEET).

" S. 63°30'E. 242.0 METERS (794.0 FEET) TO CORNER NO. 6,  
" S. 9°36'E. 195.4 " (641.1 " ) " " 7,  
" S. 55°44'E. 402.5 " (1320.5 " ) " " 8,  
" S. 20°44'W. 361.0 " (1184.3 " ) " " 9,  
" S. 55°14'W. 176.0 " (577.4 " ) " " 10,  
" N. 89°53'W. 830.0 " (2723.1 " ) " " 11,  
" S. 22°20'W. 43.0 " (141.1 " ) " " 12,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:

WHENCE CORNER NO. 1 BEARS—

N. 67°52'W. 173.5 METERS (569.3 FEET).  
CONTAINING TO THE NORMAL BANK, 72.4 HECTARES (178.9 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 1 KILOMETER WEST OF  
SAN PEDRO RANCH, AND ABOUT 13 KILOMETERS NORTHWEST OF BROWNSVILLE.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
**LA ISLA BANCO**  
NUMBER 8  
CUT FROM UNITED STATES ABOUT 1857

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas*  
INGENIERO CONSULTOR

APPROVED

*Aaron Miles*  
AMERICAN COMMISSIONER

*J.J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRaverse Notes  
BEGINNING AT CORNER NO. 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF THE RIO GRANDE:-

" S. 79° 30' W. 225.0 " (738.2 " ) " " 3,

" S. 47° 45' W. 397.0 " (1302.4 " ) " " 4,

" S. 11° 30' W. 343.0 " (1125.3 " ) " " 5:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 88° 40' E. 72.0 METERS (236.2 FEET).

" S. 16° 00' E. 408.0 METERS (1328.5 FEET) TO CORNER NO. 6,

" S. 56° 45' E. 220.0 " (721.8 " ) " " 7,

" N. 78° 00' E. 160.0 " (525.0 " ) " " 8,

" N. 42° 45' E. 372.0 " (1220.4 " ) " " 9,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF THE RIVER.

BEGINNING AGAIN AT CORNER NO. 10,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF RIVER:-

WHENCE CORNER NO. 9 BEARS -

S. 47° 15' W. 204.2 METERS (670.0 FEET).

" N. 47° 15' E. 143.0 METERS (469.2 FEET) TO CORNER NO. 11,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS -

N. 14° 34' W. 448.7 METERS (1472.1 FEET).

CONTAINING TO THE NORMAL BANK, 63.9 HECTARES (157.9 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS,  
ABOUT 3 KILOMETERS SOUTHWEST OF NARANJO RANCH, AND ABOUT 16  
KILOMETERS NORTHWEST OF BROWNSVILLE, TEXAS.

TRAVERSE NOTES

BEGINNING AT CORNER No. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:

THENCE N. 13°49'E. 259.0 METERS (849.8 FEET) TO CORNER No. 2,  
 " N. 19°19'E. 376.0 " (1233.7 " ) " " 3,  
 " N. 6°49'E. 755.0 " (2477.2 " ) " " 4,  
 " N. 46°49'E. 192.0 " (629.9 " ) " " 5:

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 53°11'E. 122.0 METERS (400.3 FEET),  
 " S. 53°11'E. 172.0 METERS (564.3 FEET) TO CORNER No. 6,  
 " S. 0°26'E. 490.0 " (1607.6 " ) " " 7,  
 " S. 31°34'W. 531.0 " (1742.1 " ) " " 8,  
 " S. 19°04'W. 233.0 " (764.5 " ) " " 9,  
 " S. 13°49'W. 265.0 " (869.5 " ) " " 10,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:

WHENCE CORNER No. 1 BEARS:

N. 75°42'W. 144.0 METERS (472.5 FEET).

CONTAINING TO THE NORMAL BANK, 33.6 HECTARES (83.0 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTHWEST OF NARANJO RANCH, AND ABOUT 16 KILOMETERS NORTHWEST OF BROWNSVILLE.

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

TAHUACHAL BANCO

NUMBER 9

CUT FROM MEXICO IN 1897

SCALE 1 IN 10000  
 METERS 0 100 200 300  
 FEET 0 100 200 300

*W.W. Elliott*  
CONSULTING ENGINEER

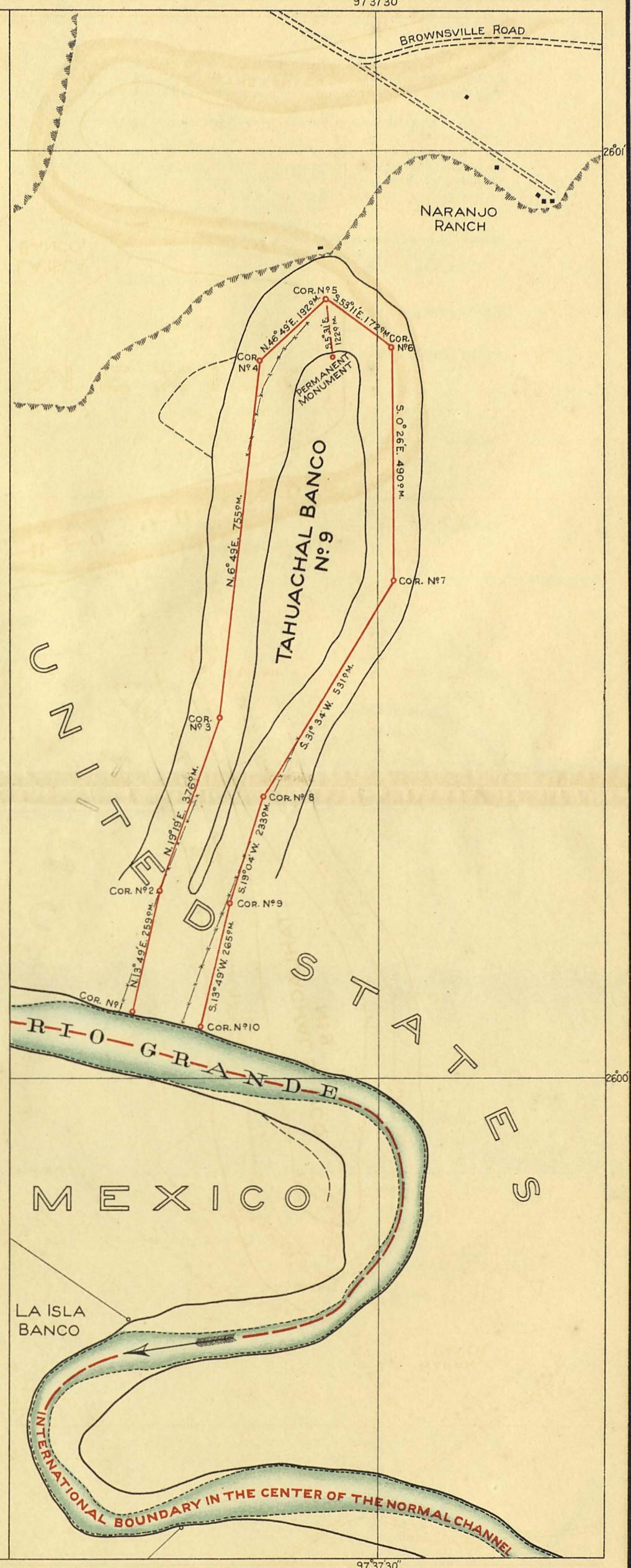
*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Miller*  
AMERICAN COMMISSIONER

*J.S. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
**BENAVIDES BANCO  
NUMBER 10**  
CUT FROM MEXICO IN 1874

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Clegg*  
AMERICAN COMMISSIONER

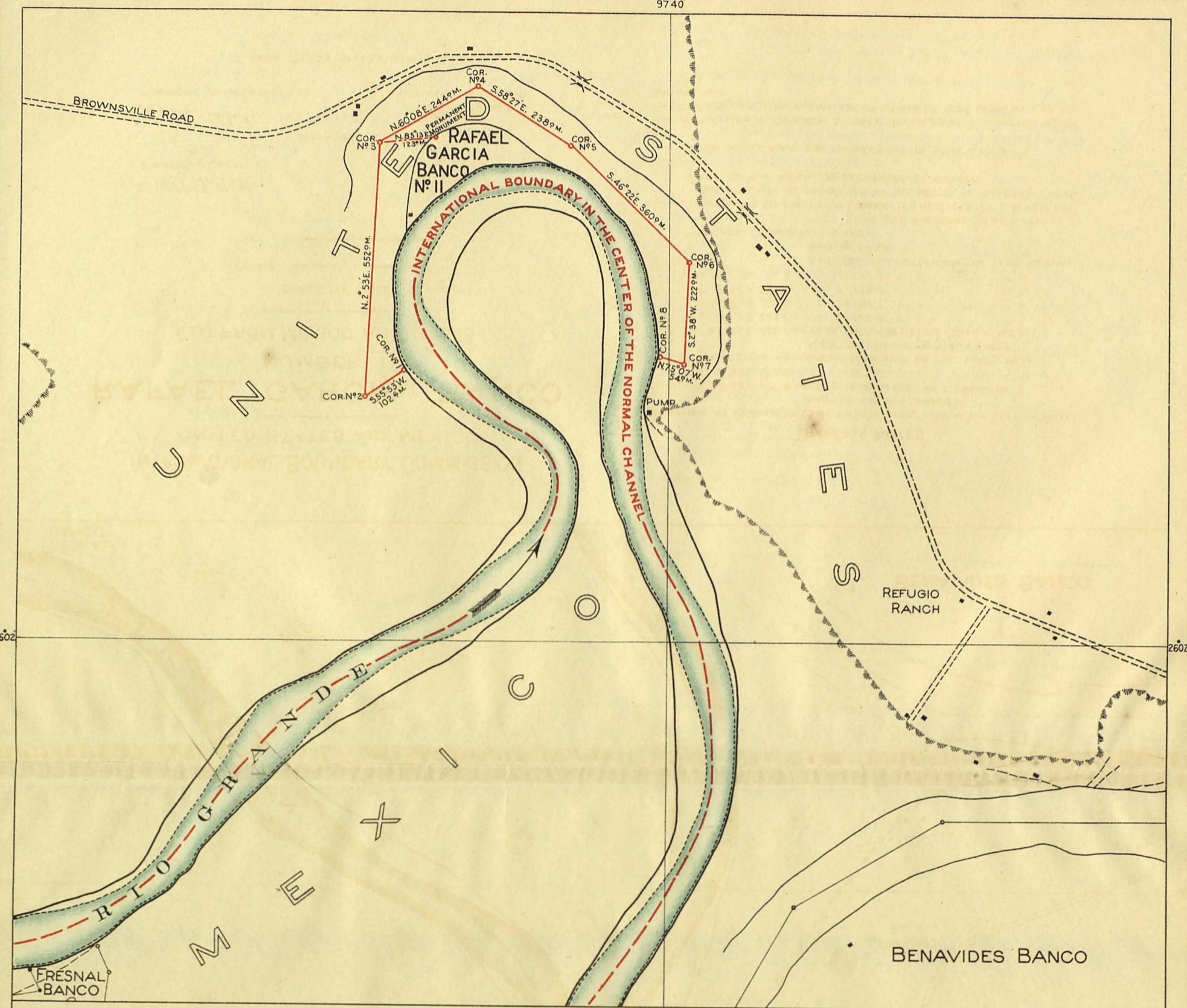
*F.J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

**TRAVERSE NOTES**  
BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—  
THENCE S. 80° 07'E. 191.0 METERS (626.7 FEET) TO CORNER NO. 2,  
" N. 29° 53'E. 418.0 " (1371.4 " ) " " " 3,  
" N. 60° 15'E. 375.0 " (1230.4 " ) " " " 4,  
" N. 89° 53'E. 535.0 " (1755.2 " ) " " " 5;  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 42° 50'W. 111.0 METERS (364.2 FEET).  
" S. 41° 07'E. 217.0 METERS (712.0 FEET) TO CORNER NO. 6,  
" S. 28° 23'W. 341.0 " (1118.7 " ) " " " 7,  
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER.  
BEGINNING AGAIN AT CORNER NO. 8,  
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—  
WHENCE CORNER NO. 7 BEARS—  
N. 74° 35'E. 376.6 METERS (1235.5 FEET).  
" N. 65° 45'W. 176.0 METERS (577.4 FEET) TO CORNER NO. 9,  
" S. 82° 31'W. 232.0 " (761.2 " ) " " " 10,  
" S. 49° 00'W. 302.0 " (990.8 " ) " " " 11,  
" N. 80° 08'W. 289.0 " (948.2 " ) " " " 12,  
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—  
WHENCE CORNER NO. 1 BEARS  
N. 10° 27'E. 155.7 METERS (510.9 FEET).  
CONTAINING TO THE NORMAL BANK, 52.7 HECTARES (130.2 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, WEST OF LA UNION RANCH,  
AND ABOUT 20 KILOMETERS NORTHWEST OF BROWNSVILLE.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**RAFAEL GARCIA BANCO  
NUMBER II**

CUT FROM MEXICO ABOUT 1863

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payo.*  
INGENIERO CONSULTOR

APPROVED

*Austin Mills*  
AMERICAN COMMISSIONER

*J. J. P. M.*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 55° 53' W. 102.6 METERS (336.6 FEET) TO CORNER NO. 2,

" N. 2° 53' E. 552.0 " (1811.0 " ) " " " 3:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

N. 85° 1' 3" E. 123.0 METERS (403.6 FEET).

" N. 60° 08' E. 244.0 METERS (800.6 FEET) TO CORNER NO. 4,

" S. 58° 27' E. 238.0 " (780.9 " ) " " " 5,

" S. 46° 22' E. 360.0 " (1181.1 " ) " " " 6,

" S. 2° 38' W. 222.0 " (728.4 " ) " " " 7,

" N. 75° 07' W. 54.0 " (177.2 " ) " " " 8,

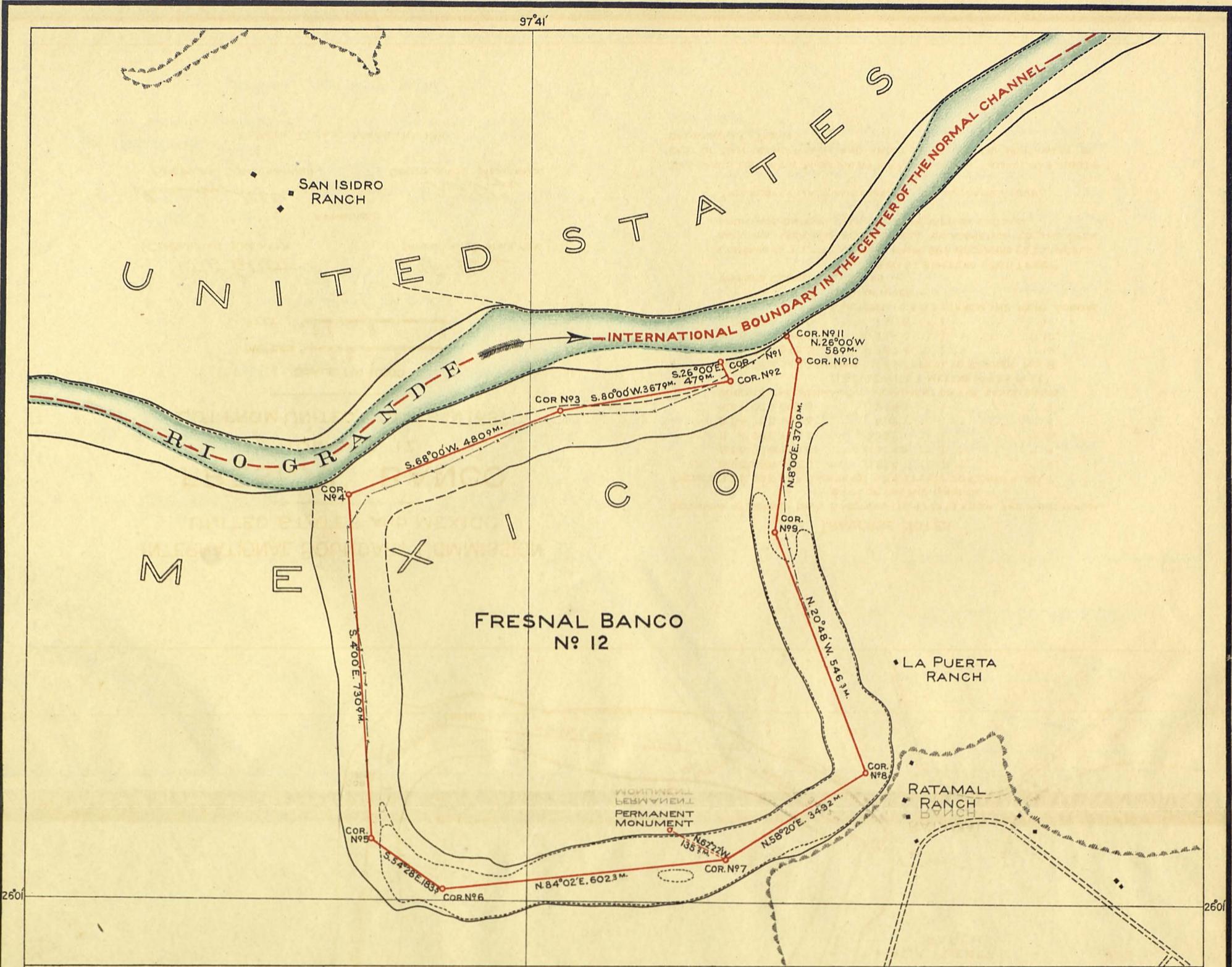
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS — S. 86° 26' W. 556.4 METERS (1825.5 FEET).

CONTAINING TO THE NORMAL BANK, 11.4 HECTARES (28.2 ACRES), BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 1 KILOMETER NORTHWEST OF REFUGIO RANCH, AND ABOUT 21 KILOMETERS NORTHWEST OF BROWNSVILLE.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

FRESNAL BANCO

NUMBER 12

CUT FROM UNITED STATES IN 1897

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gayos*  
INGENIERO CONSULTOR

APPROVED

*Aaron Hill*  
AMERICAN COMMISSIONER

*J.J. Payer*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 26° 00'E. 47.0 METERS (154.2 FEET) TO CORNER NO. 2,  
" S. 80° 00'W. 367.0 " (1204.1 " ) " " " 3,  
" S. 68° 00'W. 480.0 " (1574.9 " ) " " " 4,  
" S. 4° 00'E. 730.0 " (2395.1 " ) " " " 5,  
" S. 54° 28'E. 183.5 " (602.1 " ) " " " 6,  
" N. 84° 02'E. 602.3 " (1976.1 " ) " " " 7:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

N. 62° 22'W. 135.2 METERS (443.6 FEET).

" N. 58° 20'E. 349.2 METERS (1145.7 FEET) TO CORNER NO. 8,  
" N. 20° 48'W. 546.3 " (1792.4 " ) " " " 9,  
" N. 8° 00'E. 370.0 " (1214.0 " ) " " " 10,  
" N. 26° 00'W. 58.0 " (190.3 " ) " " " 11,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS —  
S. 69° 09'W. 152.9 METERS (501.7 FEET)  
CONTAINING TO THE NORMAL BANK, 90.3 HECTARES (223.1 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, SOUTH-EAST OF SAN ISIDRO RANCH, AND ABOUT 22 KILOMETERS NORTHWEST OF BROWNSVILLE, TEXAS.

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
**CAPOTE BANCO**  
NUMBER 13  
CUT FROM MEXICO IN 1864

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED  
*Aaron Miles*  
AMERICAN COMMISSIONER

*F.D. Riga*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 34° 09' E. 93.7 METERS (307.5 FEET) TO CORNER NO. 2,  
" N. 0° 30' W. 408.0 " (1338.6 " ) " " 3,  
" N. 34° 44' E. 853.0 " (2798.7 " ) " " 4,  
" N. 47° 43' E. 232.0 " (761.2 " ) " " 5:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 15° 07' E. 147.2 METERS (483.0 FEET).

" S. 50° 58' E. 246.0 METERS (807.1 FEET) TO CORNER NO. 6,  
" S. 6° 53' W. 454.0 " (1489.5 " ) " " 7,  
" S. 47° 00' W. 592.0 " (1942.4 " ) " " 8,  
" S. 36° 10' W. 607.0 " (1991.8 " ) " " 9,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

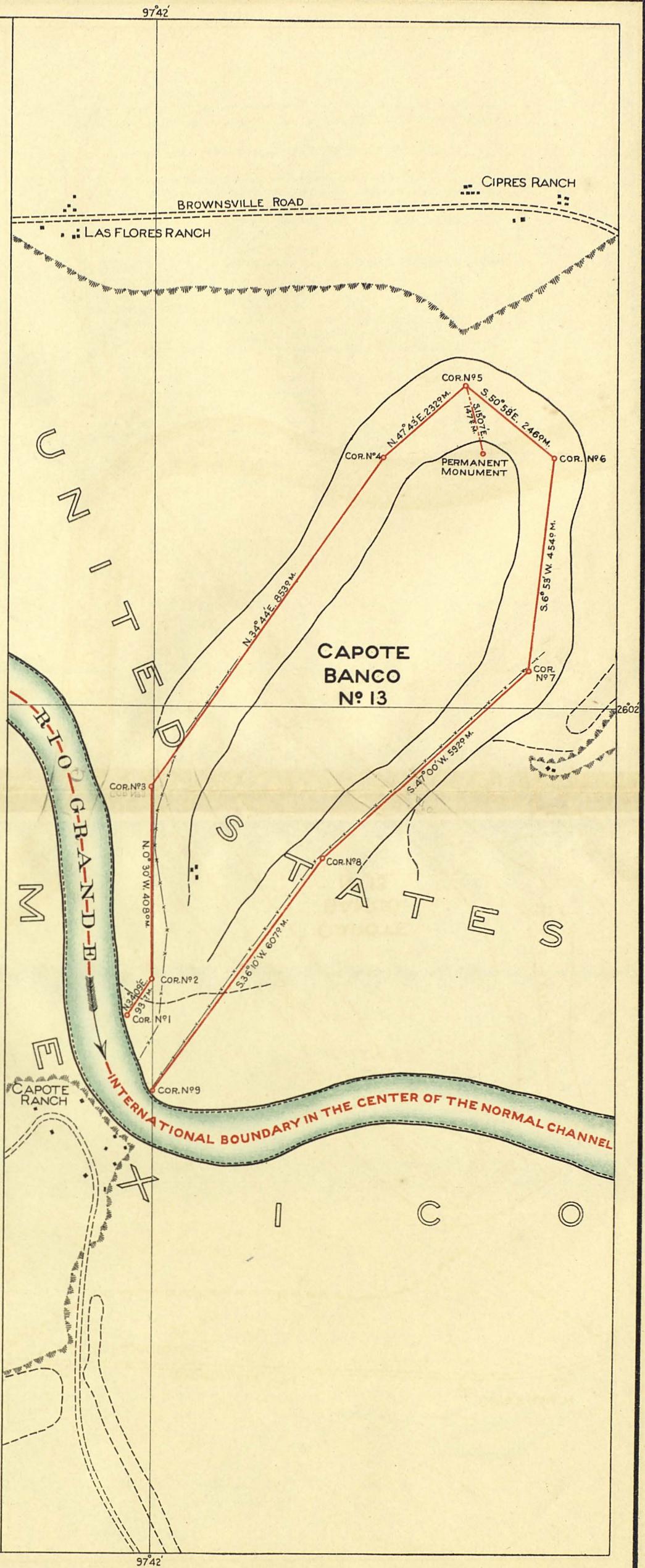
WHENCE CORNER NO. 1 BEARS—

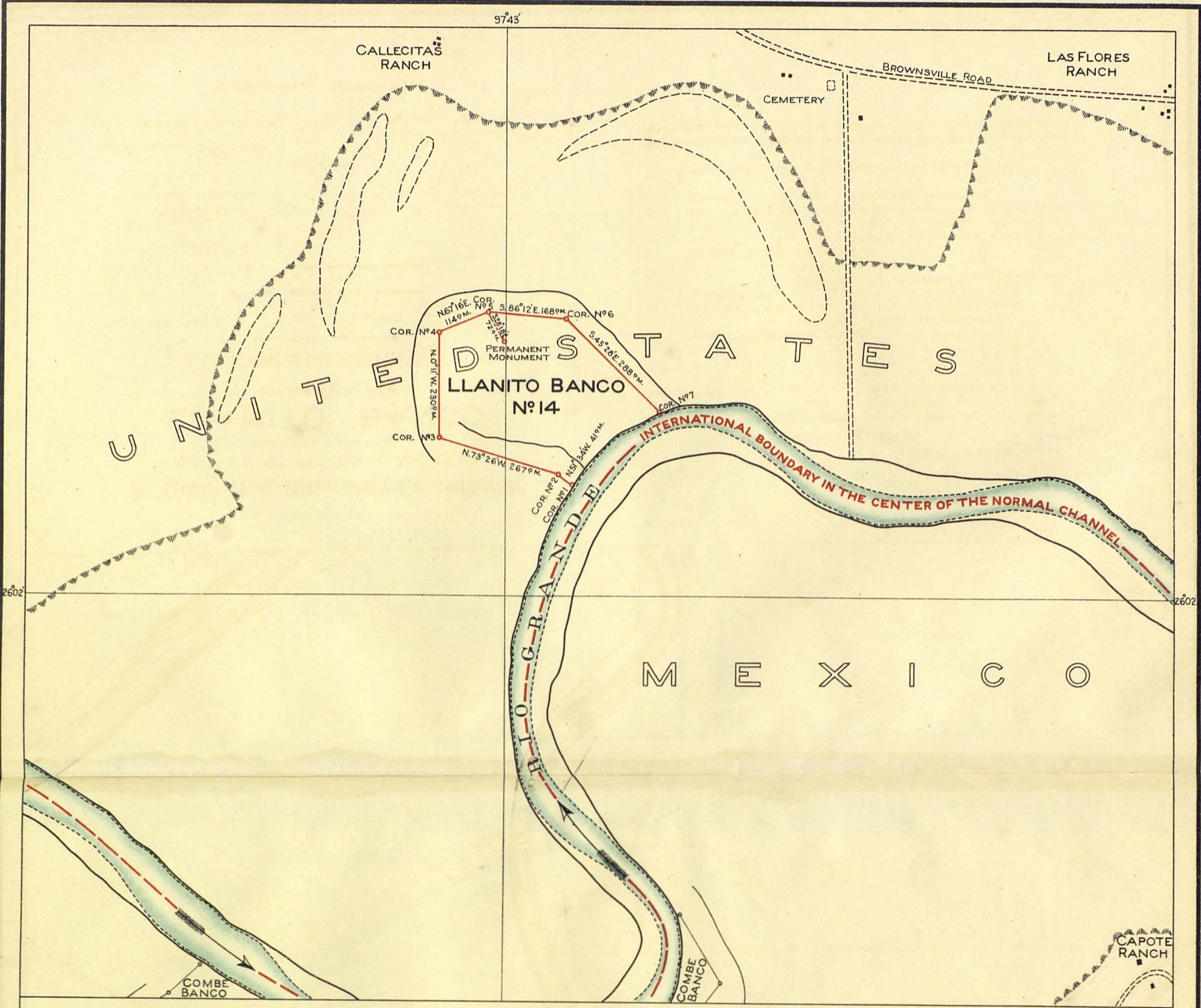
N. 18° 28' W. 165.5 METERS (543.0 FEET).

CONTAINING TO THE NORMAL BANK, 55.7 HECTARES (137.6 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 1 KILOMETER SOUTH-EAST OF LAS FLORES RANCH AND ABOUT 14 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**LLANITO BANCO**

NUMBER 14

CUT FROM MEXICO IN 1887

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Rayas.*  
INGENIERO CONSULTOR

APPROVED

*Asaon Mills*  
AMERICAN COMMISSIONER

*F.J. Puga*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 51° 34' W. 41.0 METERS ( 134.5 FEET) TO CORNER NO. 2,  
" N. 73° 26' W. 267.0 " ( 876.0 " ) " " 3,  
" N. 0° 11' W. 230.0 " ( 754.6 " ) " " 4,  
" N. 67° 16' E. 114.0 " ( 374.0 " ) " " 5:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 28° 18' E. 72.0 METERS (236.2 FEET).  
S. 86° 12' E. 168.0 METERS ( 551.2 FEET) TO CORNER NO. 6,  
" S. 45° 28' E. 288.0 " ( 944.9 " ) " " 7,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

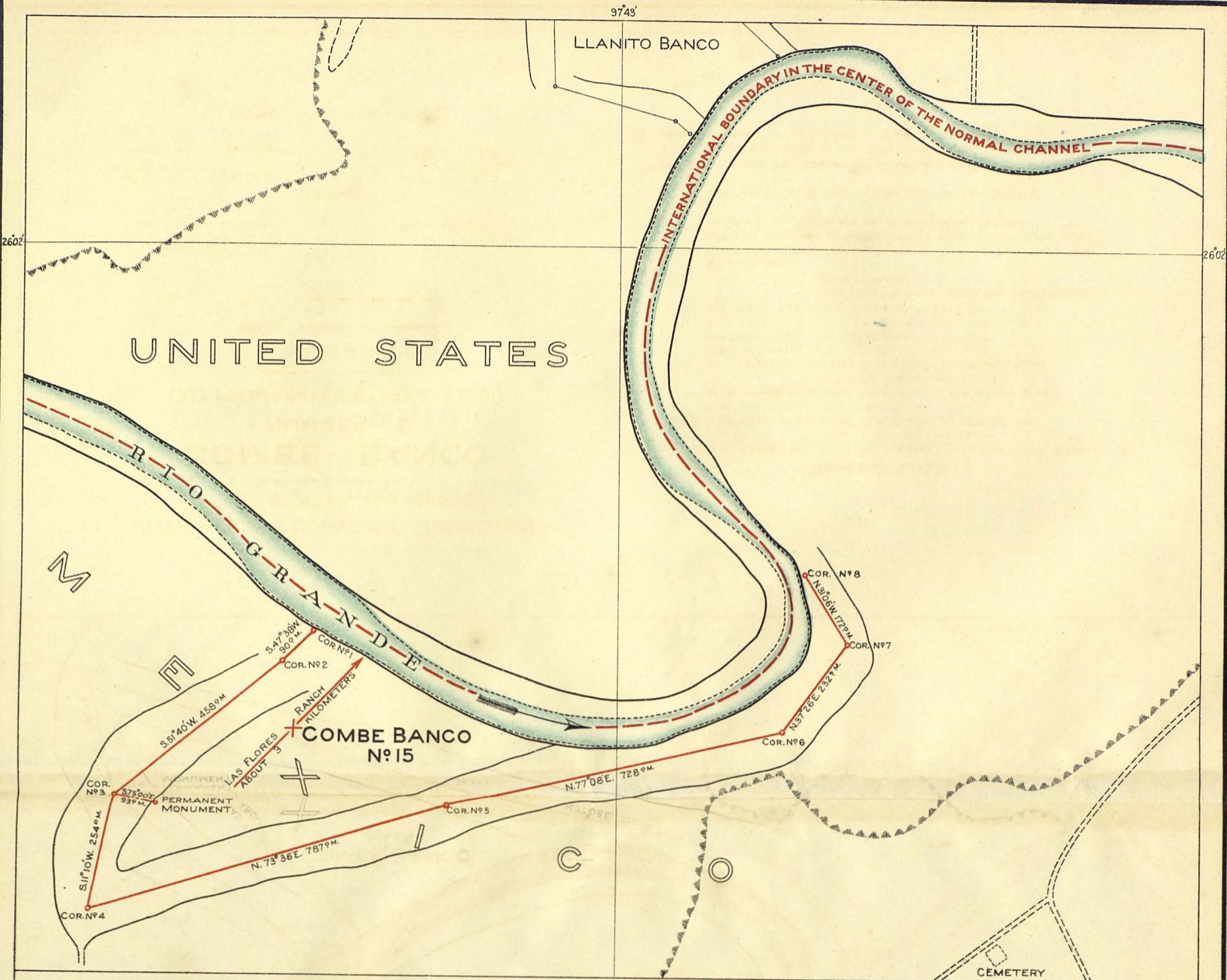
WHENCE CORNER NO. 1 BEARS—

S. 49° 22' W. 249.5 METERS (818.6 FEET).

CONTAINING TO THE NORMAL BANK, 11.9 HECTARES (29.4 ACRES)  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTHWEST OF LAS FLORES RANCH, AND ABOUT 13 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**COMBE BANCO**

NUMBER 15

CUT FROM UNITED STATES IN 1880

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Gaynor  
INGENIERO CONSULTOR

APPROVED

Aaron Mills  
AMERICAN COMMISSIONER

J. H. Puga  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 47° 38' W. 90.0 METERS (295.3 FEET) TO CORNER NO. 2,

" S. 51° 40' W. 458.0 " (1502.7 " ) " " 3:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 75° 00' E. 93.0 METERS (305.1 FEET).

" S. 11° 10' W. 254.0 METERS (833.4 FEET) TO CORNER NO. 4,

" N. 73° 36' E. 787.0 " (2582.1 " ) " " 5,

" N. 77° 08' E. 728.0 " (2388.6 " ) " " 6,

" N. 37° 26' E. 232.9 " (764.1 " ) " " 7,

" N. 31° 06' W. 172.0 " (564.3 " ) " " 8,

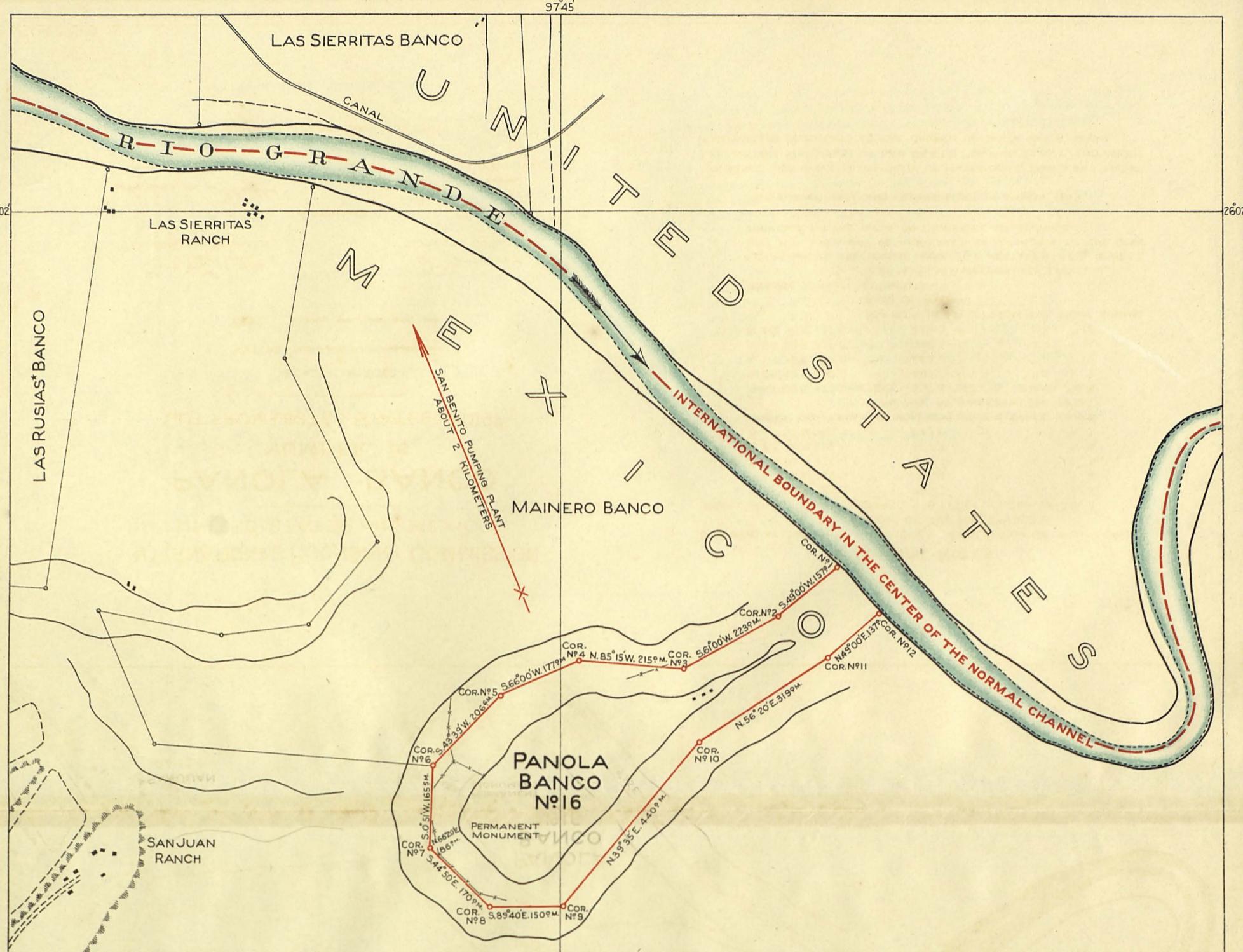
5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER.

NO CLOSURE.

CONTAINING TO THE NORMAL BANK, 32.2 HECTARES (79.6 ACRES)  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, ABOUT  
3 KILOMETERS SOUTHWEST OF LAS FLORES RANCH, AND ABOUT 13 KILOME-  
TERS SOUTHEAST OF THE CHURCH IN SANTA MARIA, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

PANOLA BANCO  
NUMBER 16

CUT FROM UNITED STATES IN 1897

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gaynor*  
INGENIERO CONSULTOR

APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*J.J. Oya*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 49° 00' W. 157.0 METERS ( 515.1 FEET ) TO CORNER NO. 2,  
" S. 61° 00' W. 223.0 " ( 731.7 " ) " " 3,  
" N. 85° 15' W. 215.0 " ( 705.4 " ) " " 4,  
" S. 66° 00' W. 177.0 " ( 580.7 " ) " " 5,  
" S. 43° 39' W. 206.6 " ( 677.9 " ) " " 6,  
" S. 0° 51' W. 165.5 " ( 543.0 " ) " " 7:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
N. 66° 20' E. 86.0 METERS ( 282.2 FEET ).

" S. 44° 50' E. 170.0 METERS ( 557.8 FEET ) TO CORNER NO. 8,  
" S. 89° 40' E. 150.0 " ( 492.2 " ) " " 9,  
" N. 39° 35' E. 440.0 " ( 1443.6 " ) " " 10,  
" N. 56° 20' E. 319.0 " ( 1046.6 " ) " " 11,  
" N. 49° 00' E. 137.0 " ( 449.5 " ) " " 12,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:-

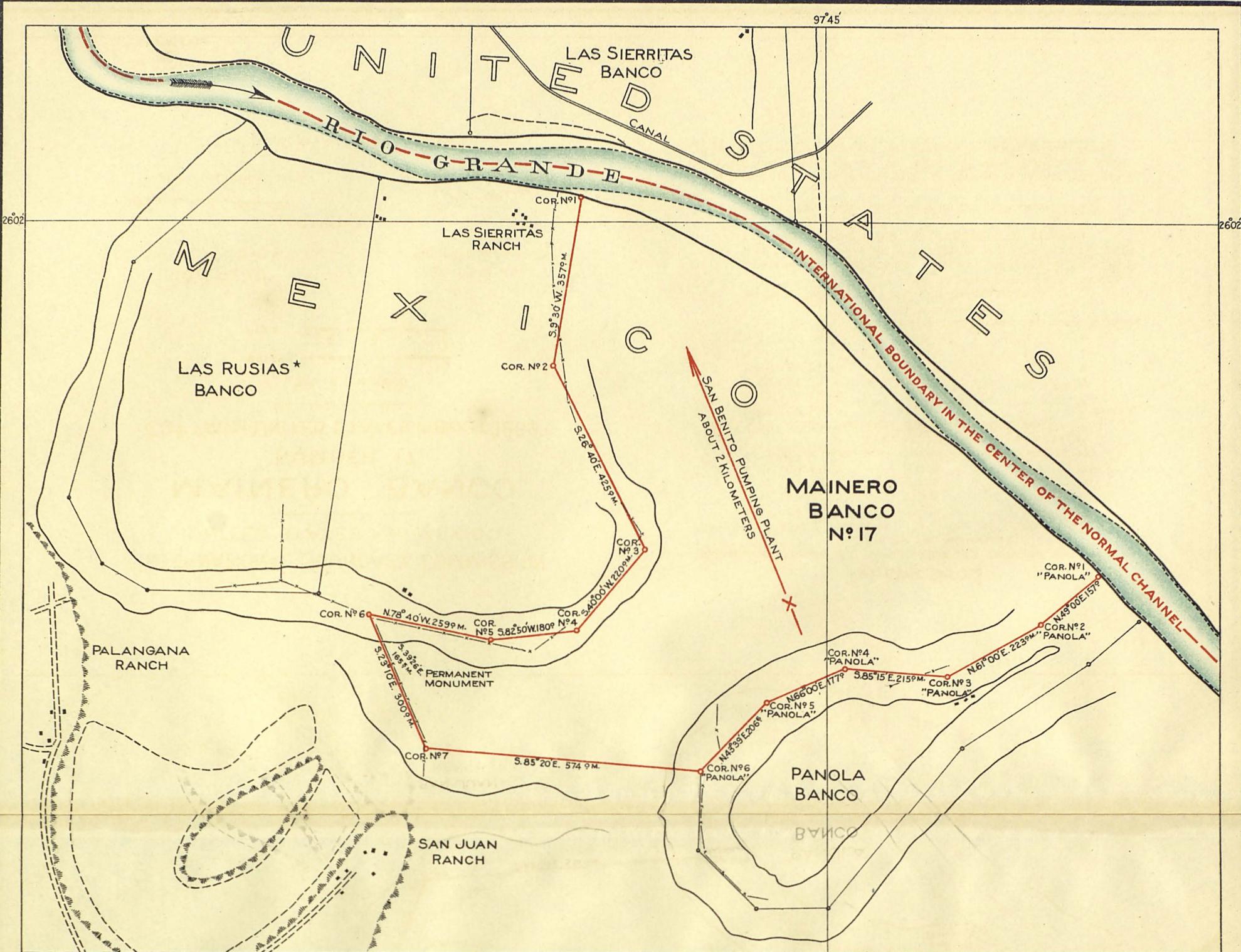
WHENCE CORNER NO. 1 BEARS-

N. 41° 18' W. 128.0 METERS ( 420.0 FEET ).

CONTAINING TO THE NORMAL BANK, 25.2 HECTARES ( 62.3 ACRES ),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, ABOUT  
2 KILOMETERS SOUTHEAST OF SAN BENITO PUMPING PLANT, AND ABOUT  
11 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**MAINERO BANCO**  
NUMBER 17

CUT FROM UNITED STATES ABOUT 1869

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Rayas.*  
INGENIERO CONSULTOR

APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*O.J. Oya*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 9° 30' W. 357.0 METERS (1171.3 FEET) TO CORNER NO. 2,  
" S. 26° 40' E. 425.0 " (1394.4 " ) " " " 3,  
" S. 40° 00' W. 220.0 " (721.8 " ) " " " 4,  
" S. 82° 50' W. 180.0 " (590.6 " ) " " " 5,  
" N. 78° 40' W. 259.0 " (849.8 " ) " " " 6:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 39° 26' E. 165.5 METERS (543.0 FEET).

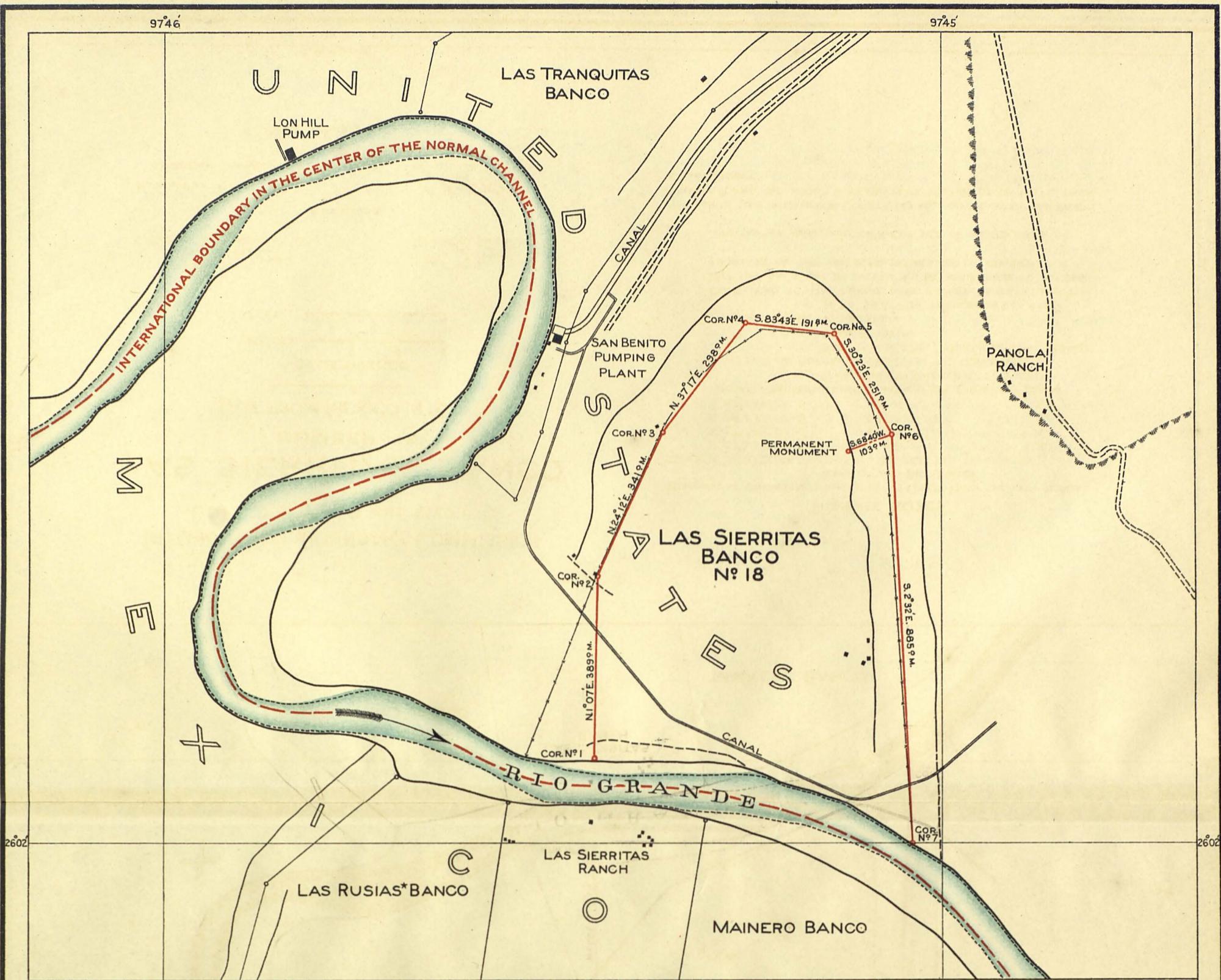
" S. 23° 10' E. 300.0 METERS (984.3 FEET) TO CORNER NO. 7,  
" S. 85° 20' E. 574.0 " (1883.3 " ) " " " 6-PANOLA,  
" N. 43° 39' E. 206.6 " (677.9 " ) " " " 5 " "  
" N. 66° 00' E. 177.0 " (580.7 " ) " " " 4- " "  
" S. 85° 15' E. 215.0 " (705.4 " ) " " " 3- " "  
" N. 61° 00' E. 223.0 " (731.7 " ) " " " 2- " "  
" N. 49° 00' E. 157.0 " (515.1 " ) " " " 1- " "

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 MAINERO BANCO BEARS—  
N. 54° 11' W. 1332.0 METERS (4370.3 FEET).  
CONTAINING TO THE NORMAL BANK 84.0 HECTARES (207.6 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, ABOUT  
2 KILOMETERS SOUTHEAST OF SAN BENITO PUMPING PLANT, AND ABOUT  
10 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**LAS SIERRITAS BANCO**  
NUMBER 18  
CUT FROM MEXICO IN 1874

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*J.D. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 1° 07'E. 389.0 METERS (1276.3 FEET) TO CORNER NO. 2,  
" N. 24° 12'E. 341.0 " (1118.8 " ) " " 3,  
" N. 37° 17'E. 298.0 " (977.7 " ) " " 4,  
" S. 83° 43'E. 191.8 " (629.3 " ) " " 5,  
" S. 30° 23'E. 251.0 " (823.5 " ) " " 6:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 68° 40'W. 103.0 METERS (337.9 FEET).

" S. 2° 32'E. 885.0 METERS (2903.7 FEET) TO CORNER NO. 7,  
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

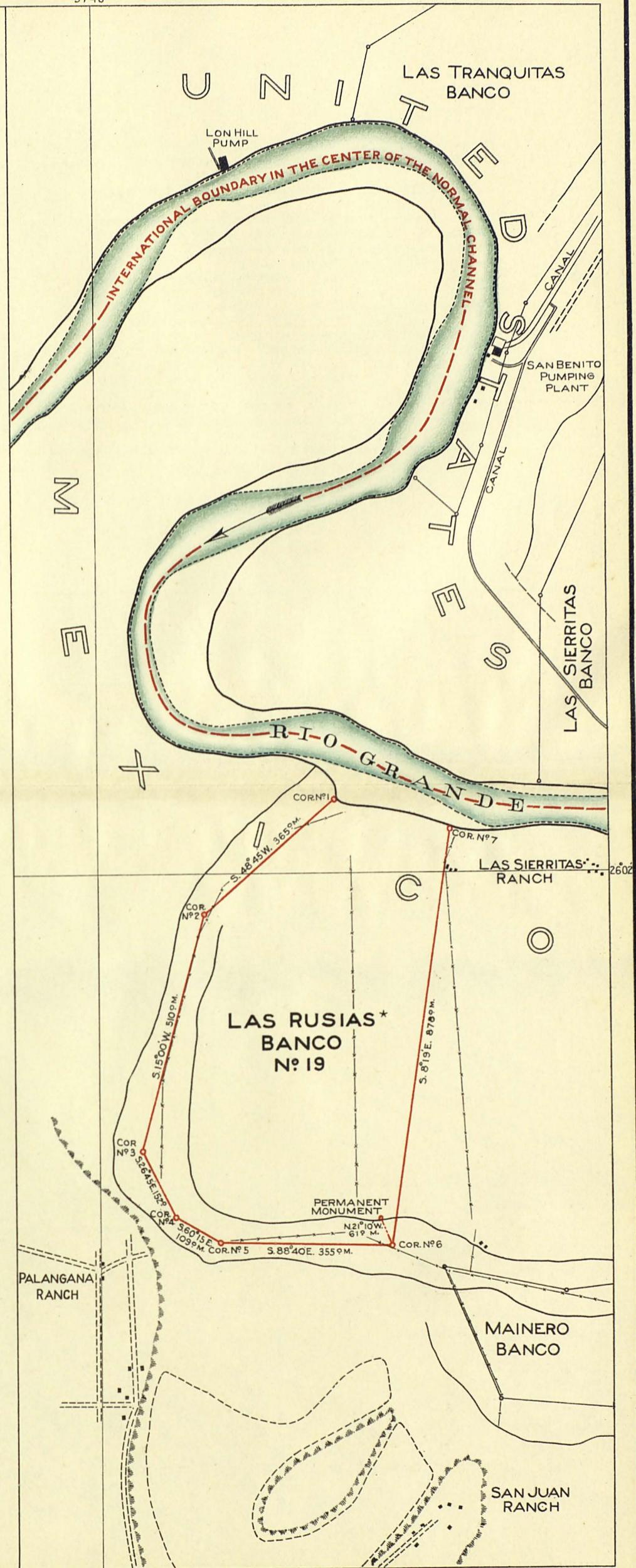
WHENCE CORNER NO. 1 BEARS—  
N. 74° 54'W. 708.9 METERS (2325.9 FEET).

CONTAINING TO THE NORMAL BANK, 54.4 HECTARES (134.4 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTHEAST OF SAN BENITO PUMPING PLANT, AND ABOUT 9 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA.

\* LAS RUCIAS



## TRaverse Notes

BEGINNING AT CORNER NO.1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—  
 THENCE S. 48°45'W. 365.0 METERS (1197.6 FEET) TO CORNER NO.2,  
 " S. 15°00'W. 510.0 " (1673.3 " ) " " 3,  
 " S. 26°45'E. 152.0 " (498.7 " ) " " 4,  
 " S. 60°15'E. 109.0 " (357.6 " ) " " 5,  
 " S. 88°40'E. 355.0 " (1164.8 " ) " " 6:  
 WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 N. 21°10'W. 61.0 METERS (200.1 FEET),  
 " N. 8°19'E. 878.0 METERS (2880.5 FEET) TO CORNER NO.7,  
 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL  
 BANK OF THE RIVER:—  
 WHENCE CORNER NO.1 BEARS—  
 N. 75°17'W. 246.6 METERS (809.1 FEET).

CONTAINING TO THE NORMAL BANK, 42.5 HECTARES (105.0 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
 FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, ABOUT  
 2 KILOMETERS SOUTH OF THE SAN BENITO PUMPING PLANT, AND ABOUT 9  
 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA, TEXAS.

INTERNATIONAL BOUNDARY COMMISSION  
 UNITED STATES AND MEXICO  
**LAS RUSIAS\* BANCO**  
 NUMBER 19

CUT FROM UNITED STATES IN 1894

SCALE 1 IN 10000  
 METERS 0 100 200 300  
 FEET 0 100 200 300

*W.W. Follett*  
 CONSULTING ENGINEER

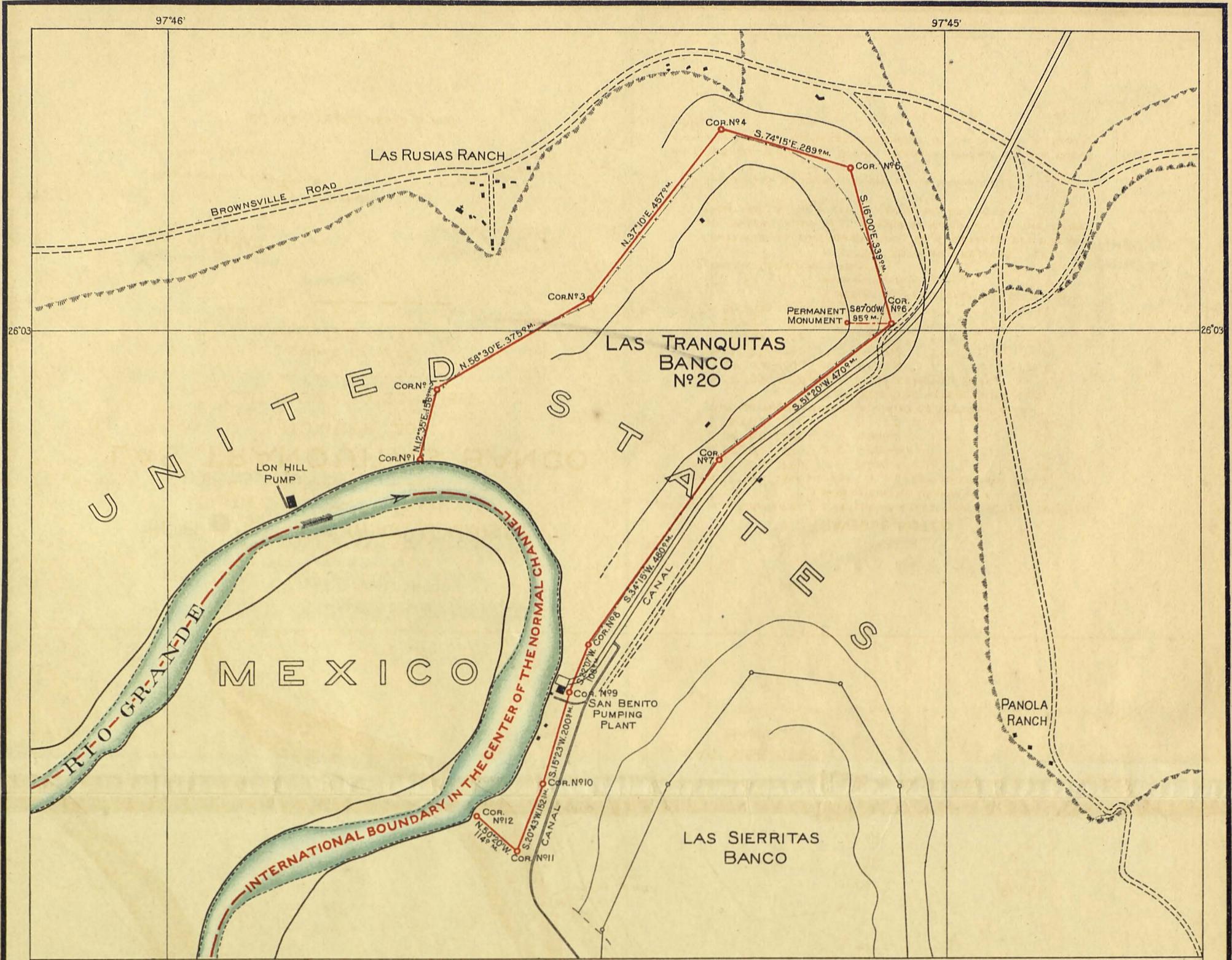
*E. Payno.*  
 INGENIERO CONSULTOR

APPROVED

*Austin Miller*  
 AMERICAN COMMISSIONER

*F.J. Payno*  
 COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**LAS TRANQUITAS BANCO  
NUMBER 20**

CUT FROM MEXICO IN 1855

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Payas.  
INGENIERO CONSULTOR

APPROVED

Anson Mills  
AMERICAN COMMISSIONER

J.S. Payas  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 12° 35'E., 156.0 METERS (511.8 FEET) TO CORNER NO. 2,  
" N. 58° 30'E., 375.0 " (1230.4 " ) " " " 3,  
" N. 37° 10'E., 457.0 " (1499.4 " ) " " " 4,  
" S. 74° 15'E., 289.0 " (948.2 " ) " " " 5,  
" S. 16° 00'E., 339.0 " (1112.3 " ) " " " 6;—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 87° 00'W. 95.0 METERS (311.7 FEET).

" S. 51° 20'W. 470.0 METERS (1542.1 FEET) TO CORNER NO. 7,  
" S. 34° 15'W. 480.0 " (1574.9 " ) " " " 8,  
" S. 22° 07'W. 108.9 " (357.3 " ) " " " 9,  
" S. 15° 23'W. 200.9 " (659.2 " ) " " " 10,  
" S. 20° 43'W. 152.3 " (499.7 " ) " " " 11,  
" N. 50° 20'W. 114.0 " (374.0 " ) " " " 12,

7 METERS (23.0 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—

N. 9° 45'W. 757.6 METERS (2485.7 FEET).  
CONTAINING TO THE NORMAL BANK, 52.4 HECTARES (129.5 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTHEAST OF LAS RUSIAS RANCH AND ABOUT 8 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA.

TRAVERSE NOTES

BEGINNING AT CORNER NO. I, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 84°22'E. 63.0 METERS (206.7 FEET) TO CORNER No. 2,  
 " S. 6°08'W. 311.0 " (1020.4 " ) " " 3.  
 " S. 28°43'W. 577.4 " (1894.4 " ) " " 4.  
 " S. 18°50'E. 166.0 " (544.6 " ) " " 5:  
 WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 N. 37°56'E. 121.1 METERS (397.3 FEET).  
 " N. 85°17'E. 379.0 METERS (1243.5 FEET) TO CORNER No. 6,  
 " N. 46°56'E. 331.0 " (1086.0 " ) " " 7.  
 " N. 6°56'E. 287.0 " (941.6 " ) " " 8.  
 " N. 19°21'W. 573.6 " (1882.0 " ) " " 9.  
 " N. 36°49'W. 255.5 " (838.3 " ) " " 10.  
 " S. 79°33'W. 134.4 " (441.0 " ) " " 11.

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

WHENCE CORNER No. I BEARS—

S. 3°09'E. 285.0 METERS (935.1 FEET),  
 CONTAINING TO THE NORMAL BANK, 50.9 HECTARES (125.8 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
 FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, SOUTH-EAST OF TURNER'S HOUSE, AND ABOUT 8 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA, TEXAS.

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

VENADO BANCO

NUMBER 21

CUT FROM UNITED STATES IN 1893

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

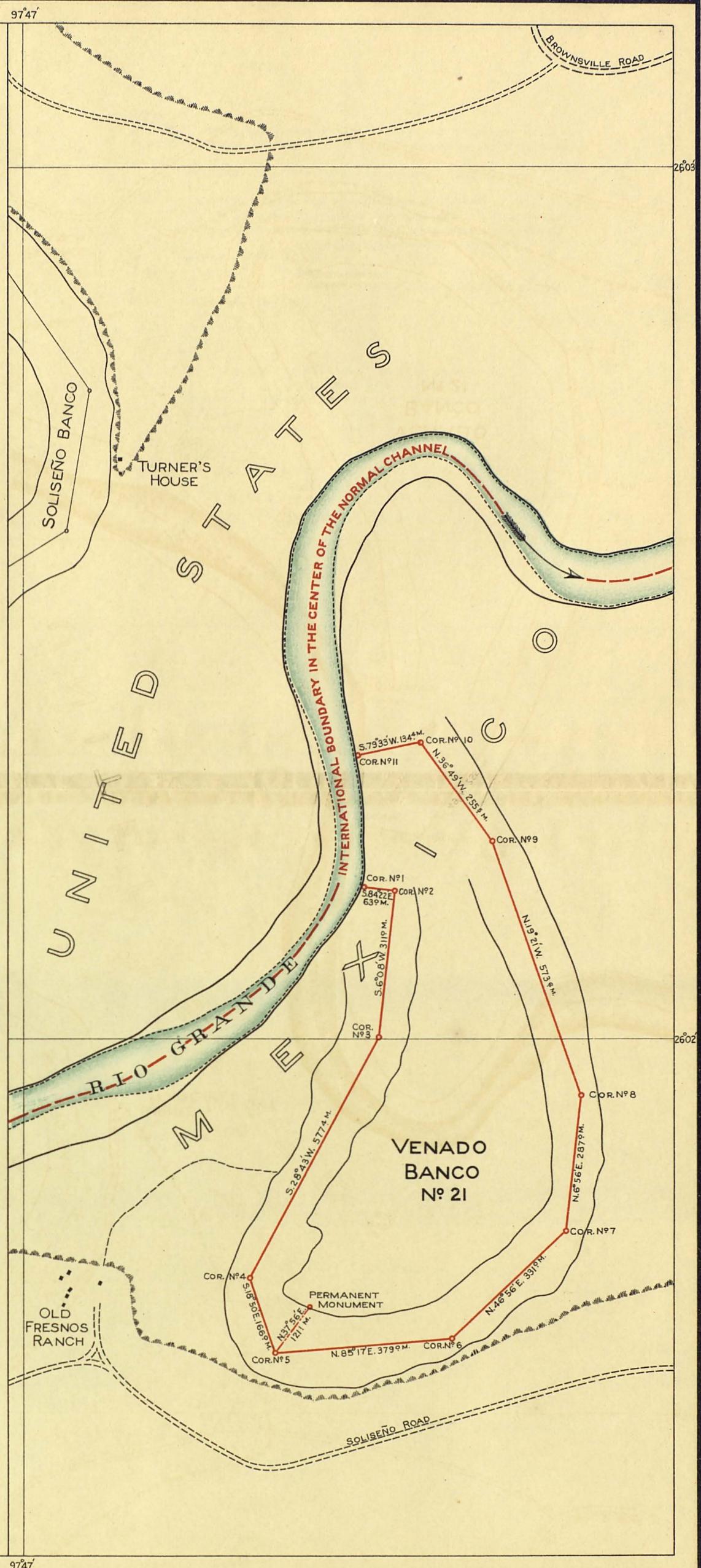
*E. Payas.*  
INGENIERO CONSULTOR

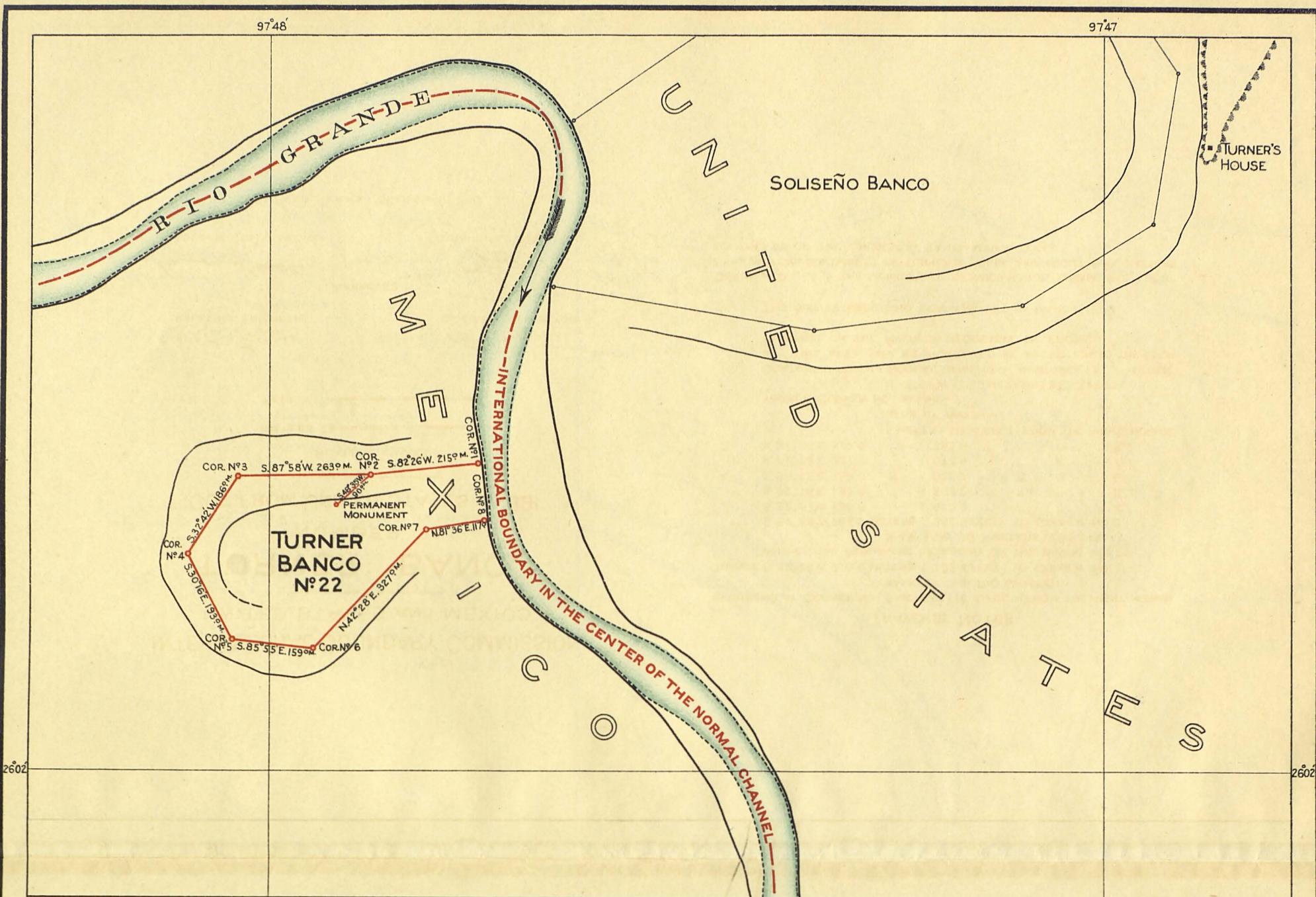
APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*J.J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**TURNER BANCO**  
NUMBER 22

CUT FROM UNITED STATES IN 1891

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Gayar.  
INGENIERO CONSULTOR

APPROVED

Austin H. Miller  
AMERICAN COMMISSIONER

J. J. Ory  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS S. 48° 35' W. 90.0 METERS (295.3 FEET).

" S. 87° 58' W. 263.0 METERS (862.9 FEET) TO CORNER NO. 3,  
" S. 32° 42' W. 186.0 " (610.3 " ) " " 4,  
" S. 30° 16' E. 193.0 " (633.2 " ) " " 5,  
" S. 85° 55' E. 159.0 " (521.7 " ) " " 6,  
" N. 42° 28' E. 327.0 " (1072.9 " ) " " 7,  
" N. 81° 36' E. 117.0 " (383.9 " ) " " 8,

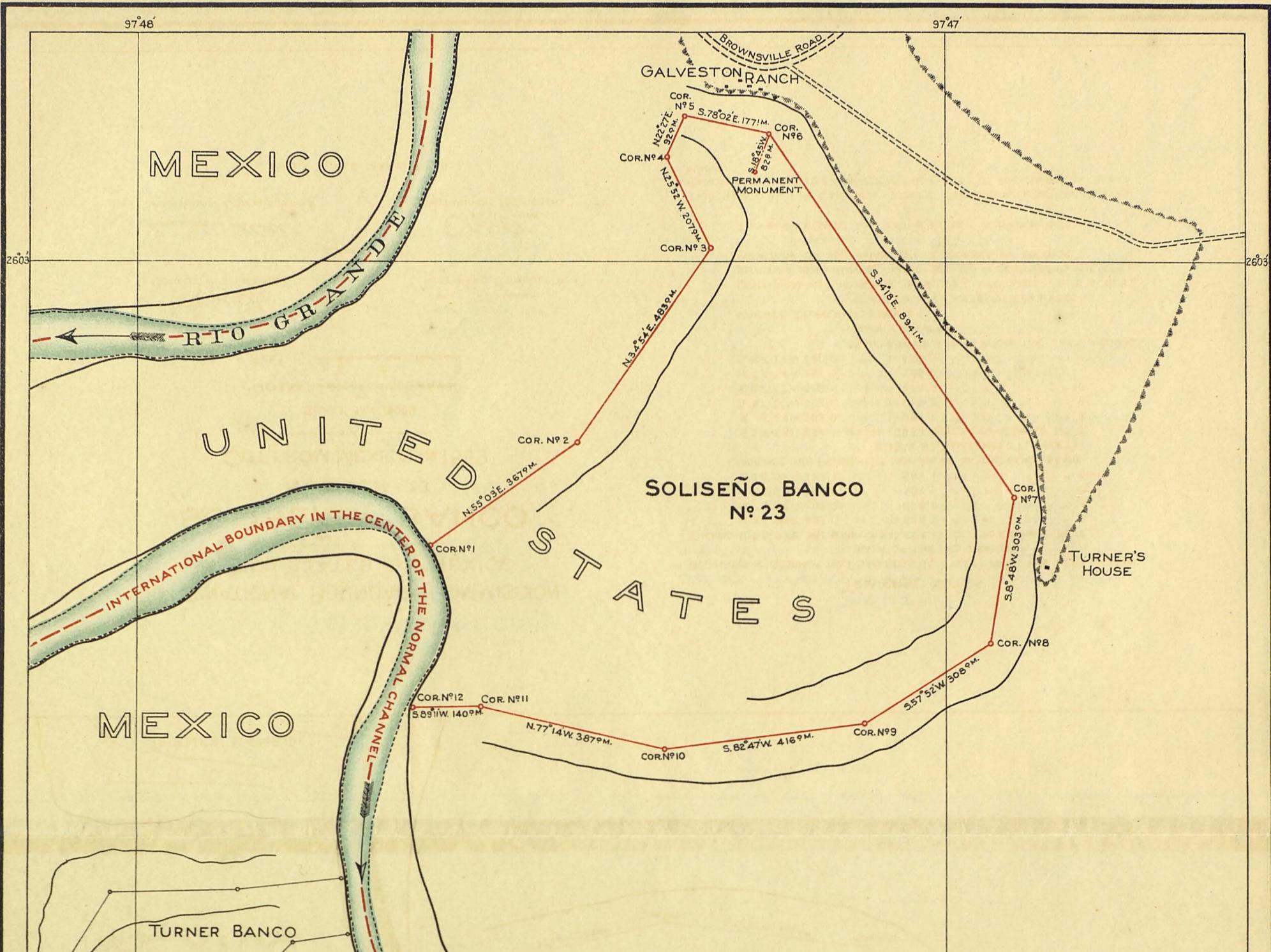
5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—

N. 7° 59' W. 115.0 METERS (377.3 FEET),  
CONTAINING TO THE NORMAL BANK, 13.0 HECTARES (32.1 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF MATAMOROS, TAMAULIPAS, ABOUT 2 KILOMETERS SOUTHWEST OF TURNER'S HOUSE, AND ABOUT 6 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**SOLISEÑO BANCO**

NUMBER 23

CUT FROM MEXICO IN 1859

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*F.O. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 55° 03'E. 367.0 METERS (1204.1 FEET) TO CORNER NO. 2,  
" N. 34° 18'E. 483.0 " (1584.7 " ) " " 3,  
" N. 25° 52'W. 207.0 " (679.2 " ) " " 4,  
" N. 22° 27'E. 92.0 " (301.9 " ) " " 5,  
" S. 78° 02'E. 177.1 " (581.1 " ) " " 6:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 18° 45'W. 82.8 METERS (271.7 FEET).

" S. 34° 18'E. 894.1 METERS (2933.4 FEET) TO CORNER NO. 7,  
" S. 8° 48'W. 303.0 " (994.1 " ) " " 8,  
" S. 57° 52'W. 308.0 " (1010.5 " ) " " 9,  
" S. 82° 47'W. 416.0 " (1364.9 " ) " " 10,  
" N. 77° 14'W. 387.0 " (1269.7 " ) " " 11,  
" S. 89° 11'W. 140.0 " (459.3 " ) " " 12,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—  
N. 6° 33'E. 332.1 METERS (1089.6 FEET).

CONTAINING TO THE NORMAL BANK, 89.7 HECTARES (221.6 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTH OF GALVESTON RANCH, AND ABOUT 5 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA.

TRAVERSE NOTES

BEGINNING AT CORNER NO.1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 17°35'E. 198.0 METERS ( 649.6 FEET) TO CORNER NO.2,  
 " N. 0°10'W. 231.0 " ( 757.9 " ) " " 3.  
 " N. 15°25'E. 459.0 " (1506.0 " ) " " 4,  
 " N. 56°20'E. 255.0 " ( 836.7 " ) " " 5:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 1°15'W. 147.0 METERS ( 482.3 FEET).

" S. 57°20'E. 207.0 METERS ( 679.2 FEET) TO CORNER NO.6,  
 " S. 1°35'W. 222.0 " ( 728.4 " ) " " 7,  
 " S. 33°05'W. 587.0 " (1925.9 " ) " " 8,  
 " S. 4°25'E. 184.0 " ( 603.7 " ) " " 9,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO.1 BEARS—

N. 88°48'W. 255.3 METERS ( 837.6 FEET).

CONTAINING TO THE NORMAL BANK, 31.1 HECTARES (76.8 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 1 KILOMETER SOUTHEAST OF OLD SANTA MARIA RANCH, AND ABOUT 2 KILOMETERS SOUTHEAST OF THE CHURCH IN SANTA MARIA.

INTERNATIONAL BOUNDARY COMMISSION  
 UNITED STATES AND MEXICO

## VILLITAS BANCO

NUMBER 24

CUT FROM MEXICO IN 1876

SCALE 1 IN 10000  
 METERS 0 100 200 300  
 FEET 0 100 200 500 1000

*W.W. Fruitt*  
 CONSULTING ENGINEER

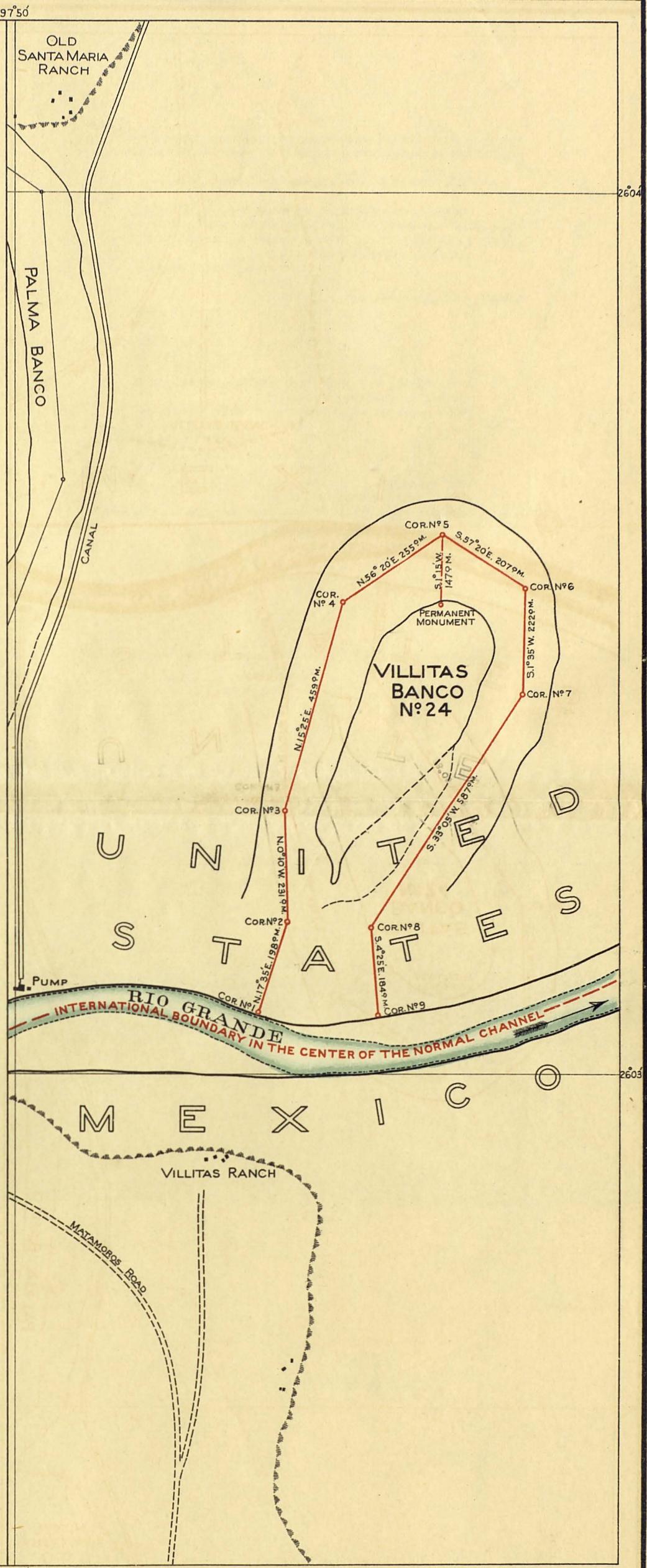
*E. Paya.*  
 INGENIERO CONSULTOR

APPROVED

*Henry Mills*  
 AMERICAN COMMISSIONER

*D.J. Paya*  
 COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.



TRAVERSE NOTES

BEGINNING AT CORNER No. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:

THENCE N. 13°05'W. 408.0 METERS (1338.6 FEET) TO CORNER No. 2,  
 " N. 27°15'W. 549.0 " (1801.3 " ) " " 3,  
 " N. 9°05'W. 527.0 " (1729.1 " ) " " 4,  
 " N. 23°54'E. 372.0 " (1220.5 " ) " " 5,  
 " N. 44°44'E. 207.0 " (679.2 " ) " " 6,  
 " N. 87°54'E. 144.0 " (472.5 " ) " " 7;  
 WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 13°59'W. 70.0 METERS (229.7 FEET),  
 " S. 54°51'E. 275.0 METERS (902.3 FEET) TO CORNER No. 8,  
 " S. 4°37'E. 605.0 " (1985.0 " ) " " 9,  
 " S. 21°08'W. 327.7 " (1075.2 " ) " " 10,  
 " S. 15°54'W. 417.0 " (1368.2 " ) " " 11,  
 " S. 13°07'E. 393.0 " (1289.4 " ) " " 12,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:

WHENCE CORNER No. 1 BEARS—

S. 71°43'W. 151.5 METERS (497.1 FEET),  
 CONTAINING TO THE NORMAL BANK, 80.2 HECTARES (198.2 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, ABOUT 1 KILOMETER SOUTHEAST OF SANTA MARIA CHURCH AND ABOUT 11 KILOMETERS EAST OF PROGRESO (TOLUCA RANCH).

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

PALMA BANCO

NUMBER 25

CUT FROM MEXICO IN 1872

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300 1000

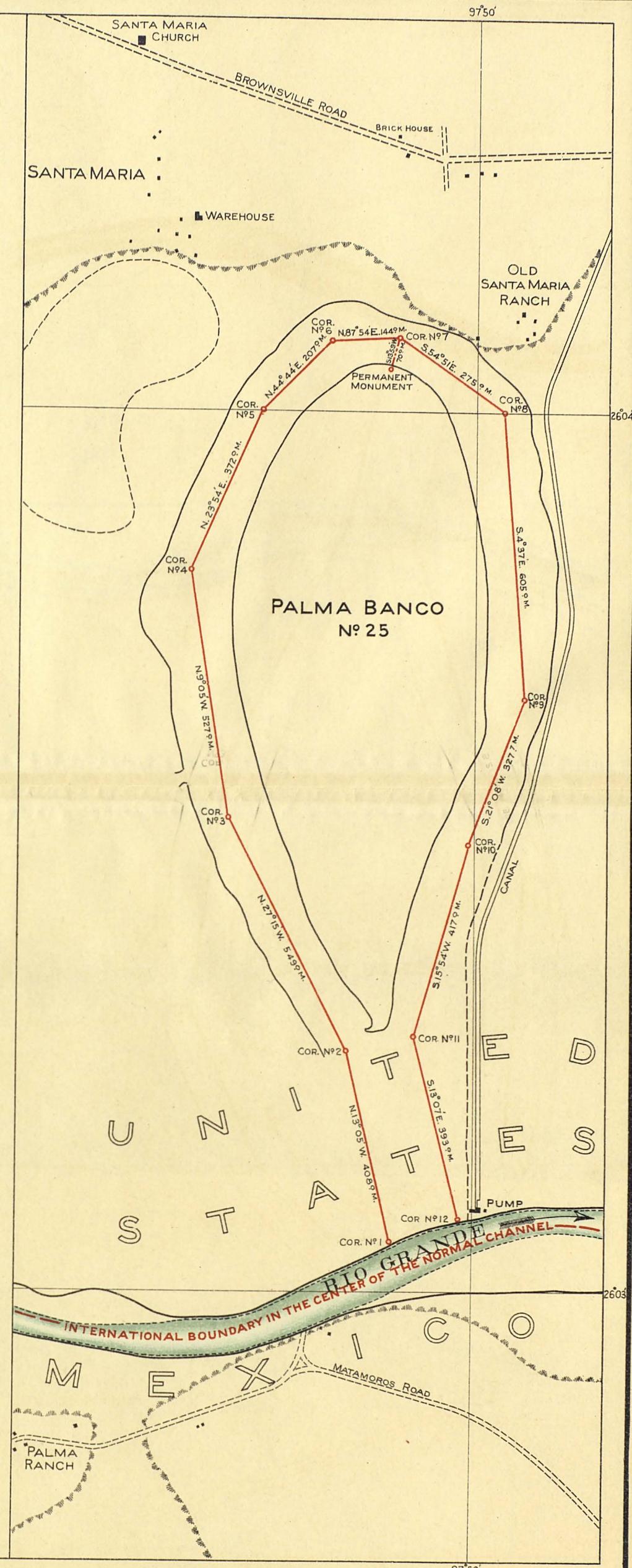
*W.W. Follett*  
CONSULTING ENGINEER

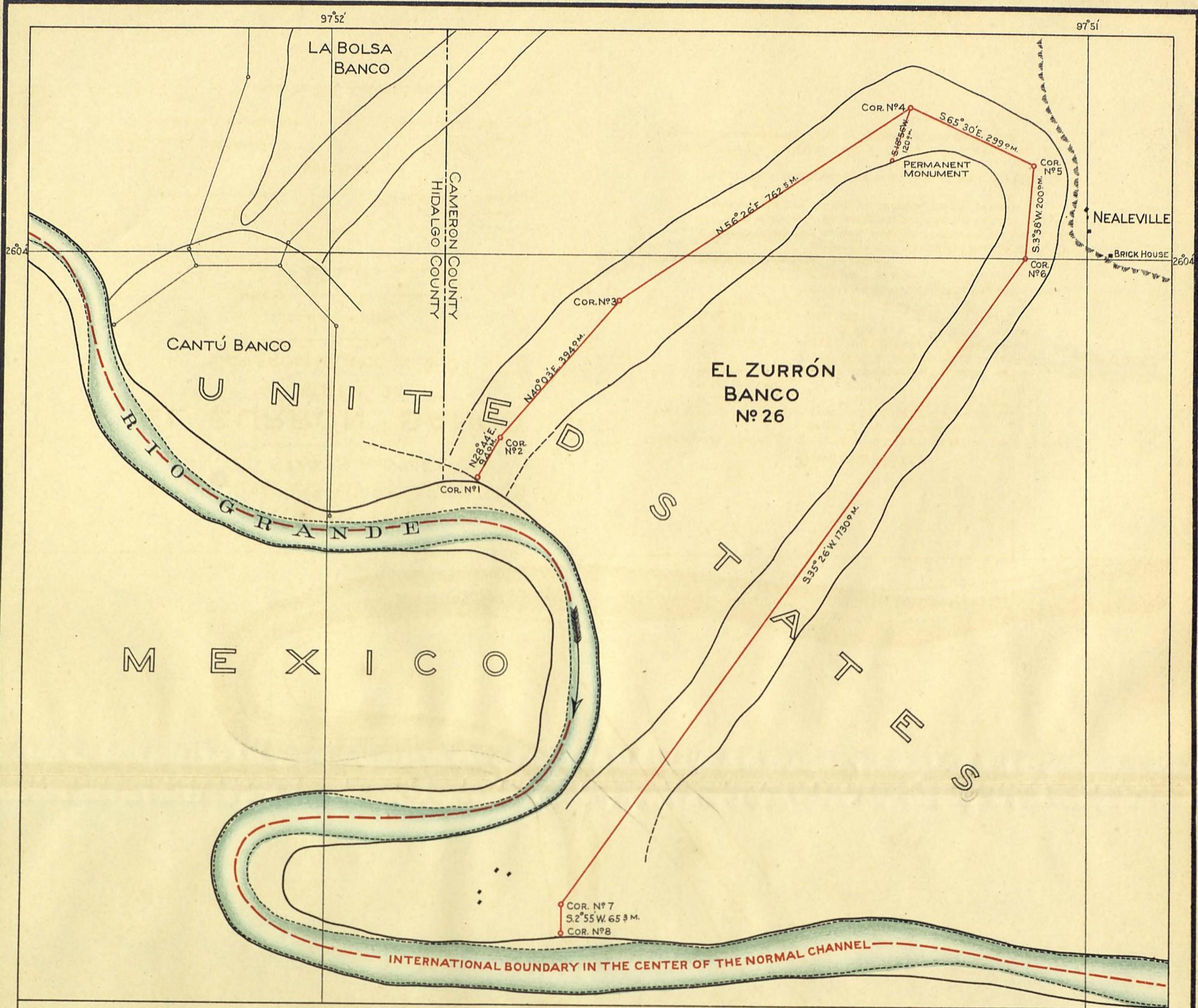
*E. Payares.*  
INGENIERO CONSULTOR

APPROVED  
*Aaron Mills*  
AMERICAN COMMISSIONER

*F.J. Puga*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**EL ZURRON BANCO  
NUMBER 26**

CUT FROM MEXICO IN 1860

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Elliott*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*F.J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:-  
THENCE N. 28° 44'E. 94.0 METERS (308.4 FEET) TO CORNER NO. 2,  
" N. 40° 0'3"E. 394.0 " (1292.7 " ) " " " 3,  
" N. 56° 26'E. 762.5 " (2501.8 " ) " " " 4:-  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 18° 56'W. 120.0 METERS (393.7 FEET).  
" S. 65° 30'E. 299.0 METERS (981.0 FEET) TO CORNER NO. 5,  
" S. 3° 38'W. 200.0 " (656.2 " ) " " " 6,  
" S. 35° 26'W. 1730.0 " (5676.1 " ) " " " 7,  
" S. 2° 55'W. 65.3 " (214.2 " ) " " " 8,  
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS -  
N. 10° 40'W. 1010.5 METERS (3313.6 FEET).  
CONTAINING TO THE NORMAL BANK, 96.4 HECTARES (238.2 ACRES).  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN MARCH, 1909.

THIS BANCO LIES IN CAMERON COUNTY, TEXAS, SOUTHWEST OF NEALEVILLE,  
AND ABOUT 9 KILOMETERS EAST OF PROGRESO (TOLUCA RANCH).

### TRAVERSE NOTES

BEGINNING AT CORNER NO. 2 OF CANTÚ BANCO, IN CENTER OF OLD CHANNEL OF THE CANTÚ BANCO:—  
 THENCE N. 23° 16' W. 42.0 METERS (137.8 FEET) TO CORNER No. 2,  
 " N. 17° 49' E. 396.0 " (1299.3 " ) " " 3,  
 " N. 0° 11' E. 870.0 " (2854.5 " ) " " 4,  
 " N. 31° 20' E. 301.0 " (987.6 " ) " " 5,  
 " S. 84° 39' E. 248.0 " (813.7 " ) " " 6:—  
 WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 15° 10' W. 76.0 METERS (249.4 FEET).  
 " S. 37° 23' E. 167.0 METERS (547.9 FEET) TO CORNER No. 7,  
 " S. 25° 15' E. 463.0 " (1519.1 " ) " " 8,  
 " S. 0° 11' E. 285.0 " (935.1 " ) " " 9,  
 " S. 44° 03' W. 874.0 " (2867.6 " ) " " 10,  
 " S. 21° 01' W. 57.5 " (188.7 " ) " " 3-CANTÚ,  
 IN CENTER OF OLD CHANNEL OF CANTÚ BANCO.  
 S. 89° 29' W. 182.0 METERS (597.1 FEET) TO CORNER No. 2-CANTÚ.  
 CONTAINING TO THE CENTER OF OLD CHANNEL, 77.9 HECTARES (192.5 ACRES), BUT THIS AREA MAY BE DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO AND CAMERON COUNTIES, TEXAS, SOUTH OF SACATAL RANCH, AND ABOUT 8 KILOMETERS EAST OF PROGRESO (TOLUCA RANCH).

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**LA BOLSA BANCO**  
NUMBER 27

CUT FROM MEXICO IN 1860

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

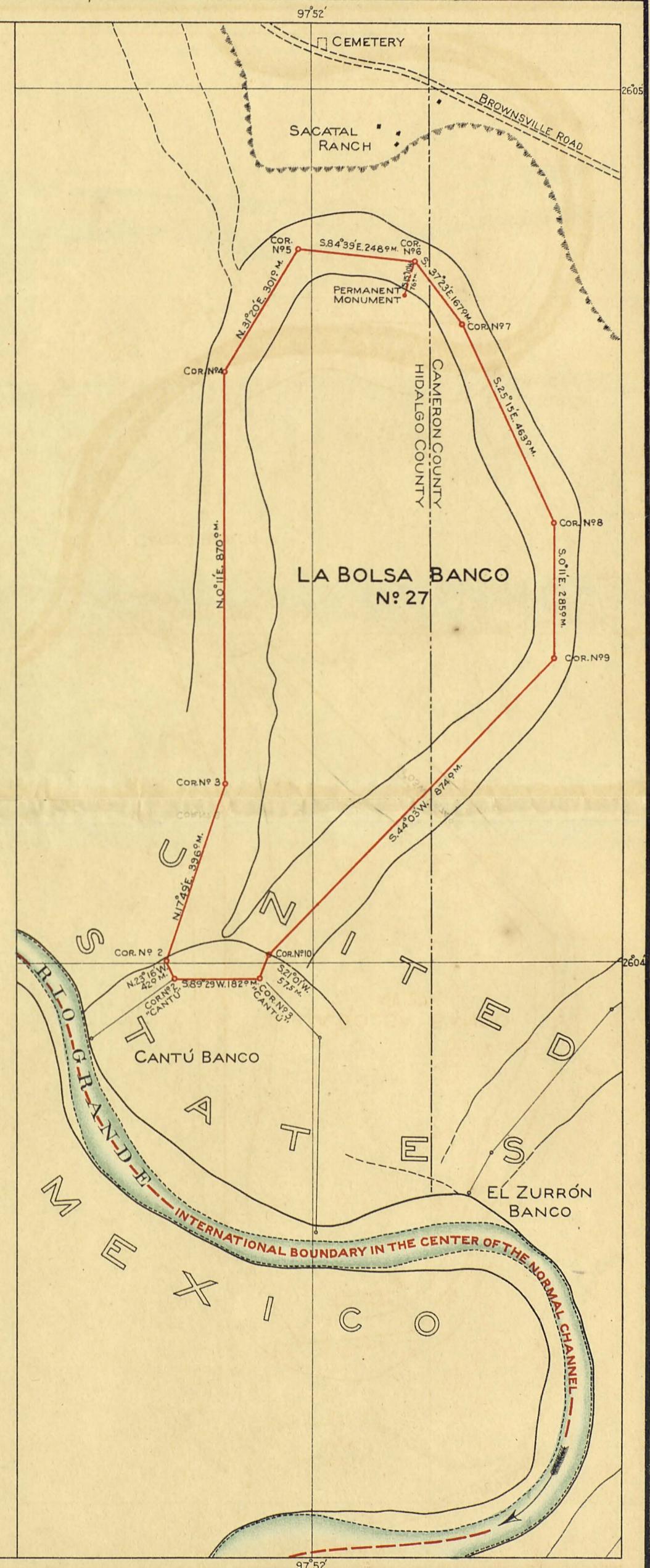
E. Payas.  
INGENIERO CONSULTOR

APPROVED

Aaron Mills  
AMERICAN COMMISSIONER

J.S. Payas  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.



TRAVERSE NOTES

BEGINNING AT CORNER NO.1,5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—  
 THENCE N.54°03'E. 223.0 METERS ( 731.7 FEET) TO CORNER No. 2,  
 " N.89°29'E. 182.0 " ( 597.1 " ) " " 3:  
 WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 6°55'W. 138.7 METERS ( 455.1 FEET).  
 " S.44°18'E. 177.0 METERS ( 580.7 FEET) TO CORNER No.4,  
 " S. 0°47'W. 409.0 " (1341.9 " ) " " 5,  
 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—  
 WHENCE CORNER No.1 BEARS—  
 N.50°01'W. 627.3 METERS (2058.1 FEET).  
 CONTAINING TO THE NORMAL BANK, 16.7 HECTARES (41.3 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, ABOUT 2 KILOMETERS SOUTH OF SACATAL RANCH, AND ABOUT 8 KILOMETERS EAST OF PROGRESO (TOLUCA RANCH).

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

CANTÚ BANCO

NUMBER 28

CUT FROM MEXICO IN 1862

SCALE 1 IN 10000  
METERS 0 800 1600  
FEET 0 100 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

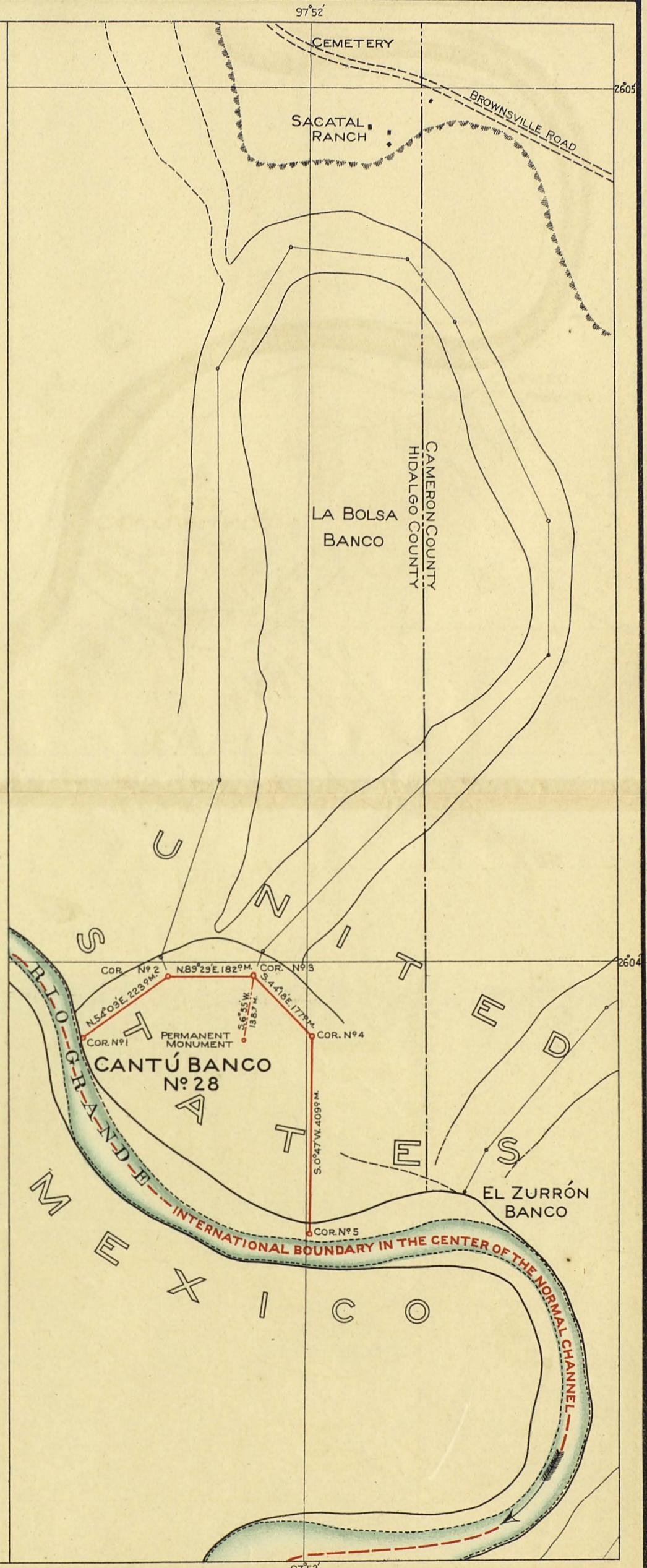
*E. Payvo.*  
INGENIERO CONSULTOR

APPROVED

*John M. Clegg*  
AMERICAN COMMISSIONER

*J. J. Payvo*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.



TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 21° 34' W. 580.0 METERS (1903.0 FEET) TO CORNER NO. 2,  
 " N. 38° 04' W. 294.0 " (964.6 " ) " " " 3,  
 " N. 19° 39' W. 712.0 " (2336.1 " ) " " " 4,  
 " N. 10° 41' E. 400.0 " (1312.4 " ) " " " 5,  
 " N. 74° 06' E. 227.0 " (744.8 " ) " " " 6:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S. 17° 06' W. 105.0 METERS (344.5 FEET).  
 " S. 40° 59' E. 414.0 METERS (1358.3 FEET) TO CORNER NO. 7,  
 " S. 11° 54' E. 199.0 " (652.9 " ) " " " 8,  
 " S. 15° 36' W. 507.0 " (1663.5 " ) " " " 9,  
 " S. 21° 34' E. 904.0 " (2966.0 " ) " " " 10,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—  
 S. 70° 06' W. 178.0 METERS (584.0 FEET),  
 CONTAINING TO THE NORMAL BANK, 62.0 HECTARES (153.2 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
 FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, ABOUT 1 KILOMETER EAST OF  
 ROSARIO BANCO, AND ABOUT 4 KILOMETERS EAST OF PROGRESO (TOLUCA  
 RANCH).

INTERNATIONAL BOUNDARY COMMISSION  
 UNITED STATES AND MEXICO  
 VILLARREALES BANCO  
 NUMBER 29  
 CUT FROM MEXICO IN 1857

SCALE 1 IN 10000  
 METERS 0 100 200 300  
 FEET 0 100 200 300

*W.W. Fleet*  
 CONSULTING ENGINEER

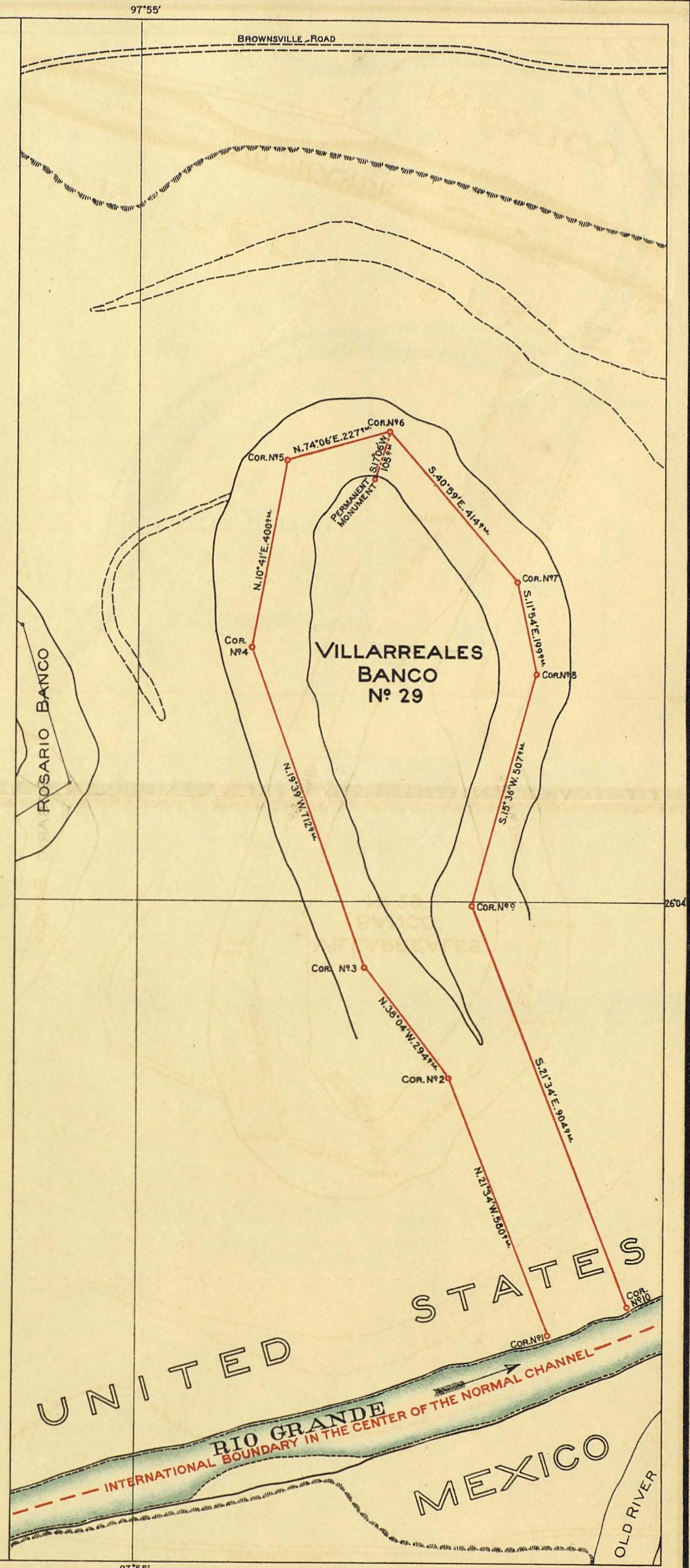
*E. Payne*  
 INGENIERO CONSULTOR

APPROVED

*Aaron Miles*  
 AMERICAN COMMISSIONER

*O. O. Paye*  
 COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

SANTA MARGARITA BANCO  
NUMBER 30

CUT FROM MEXICO IN 1880

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Elliott*  
CONSULTING ENGINEER

*E. Payno*  
INGENIERO CONSULTOR

APPROVED

*A. C. Ellsworth*  
AMERICAN COMMISSIONER

*J. G. Payno*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:-

THENCE N. 28° 30' W. 135.0 METERS ( 442.9 FEET ) TO CORNER NO. 2,  
" N. 6° 03' W. 598.0 " ( 1962.0 " ) " " 3,  
" N. 14° 50' W. 307.0 " ( 1007.3 " ) " " 4,  
" N. 36° 15' E. 179.0 " ( 587.3 " ) " " 5,  
" N. 79° 00' E. 405.0 " ( 1328.8 " ) " " 6,  
" N. 87° 20' E. 425.0 " ( 1394.4 " ) " " 1-ROSARIO:-

WHENCE THE PERMANENT MONUMENT ON THE SANTA MARGARITA BANCO BEARS - S. 13° 37' W. 83.0 METERS ( 272.3 FEET ).  
S. 87° 30' E. 219.0 METERS ( 718.5 FEET ) TO CORNER NO. 13-ROSARIO.

" S. 79° 20' E. 499.0 " ( 1637.2 " ) " " 7,  
" S. 43° 30' E. 320.0 " ( 1049.9 " ) " " 8,  
" S. 36° 20' W. 355.0 " ( 1164.8 " ) " " 9,

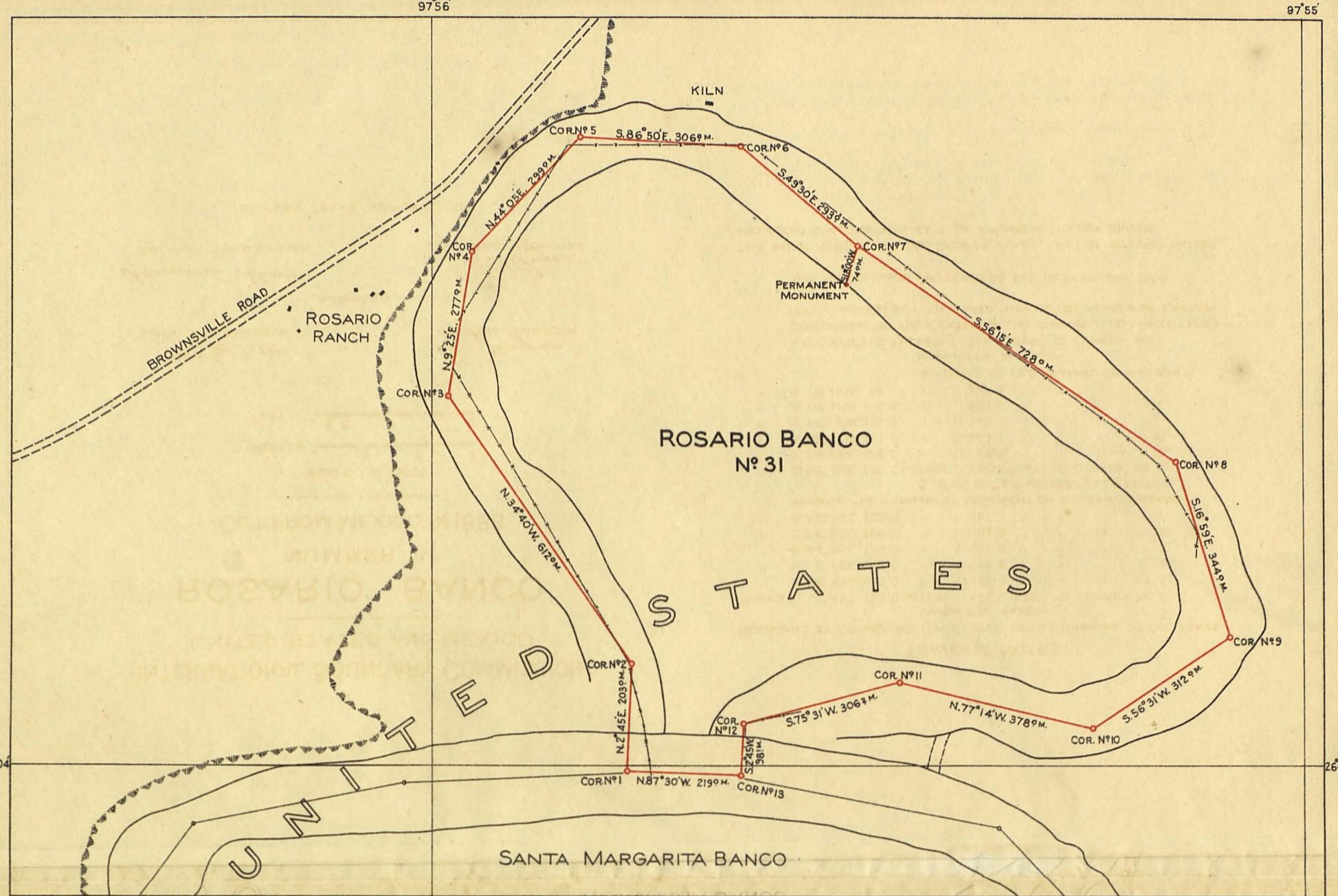
7 METERS (23.0 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 SANTA MARGARITA BANCO BEARS -  
S. 71° 13' W. 1041.5 METERS ( 3417.2 FEET ).

CONTAINING TO THE NORMAL BANK, 14.6 HECTARES (283.2 ACRES ),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, SOUTH OF ROSARIO RANCH,  
AND ABOUT 2 KILOMETERS SOUTHEAST OF PROGRESO (TOLUCA RANCH).



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**ROSARIO BANCO**

NUMBER 31

CUT FROM MEXICO IN 1888

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 80 160 240 320 400

*W.W. Elliott*  
CONSULTING ENGINEER

*E. Payares*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*J.J. Payares*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, IN CENTER OF OLD CHANNEL OF THE SANTA MARGARITA BANCO:-

THENCE N. 2° 45'E. 203.0 METERS ( 666.0 FEET ) TO CORNER NO. 2,  
" N. 34° 40'W. 612.0 " ( 2008.0 " ) " " 3,  
" N. 9° 25'E. 277.0 " ( 908.8 " ) " " 4,  
" N. 44° 05'E. 299.0 " ( 981.0 " ) " " 5,  
" S. 86° 50'E. 306.0 " ( 1004.0 " ) " " 6,  
" S. 49° 30'E. 293.0 " ( 961.3 " ) " " 7:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 18° 00'W. 74.0 METERS ( 242.8 FEET ).

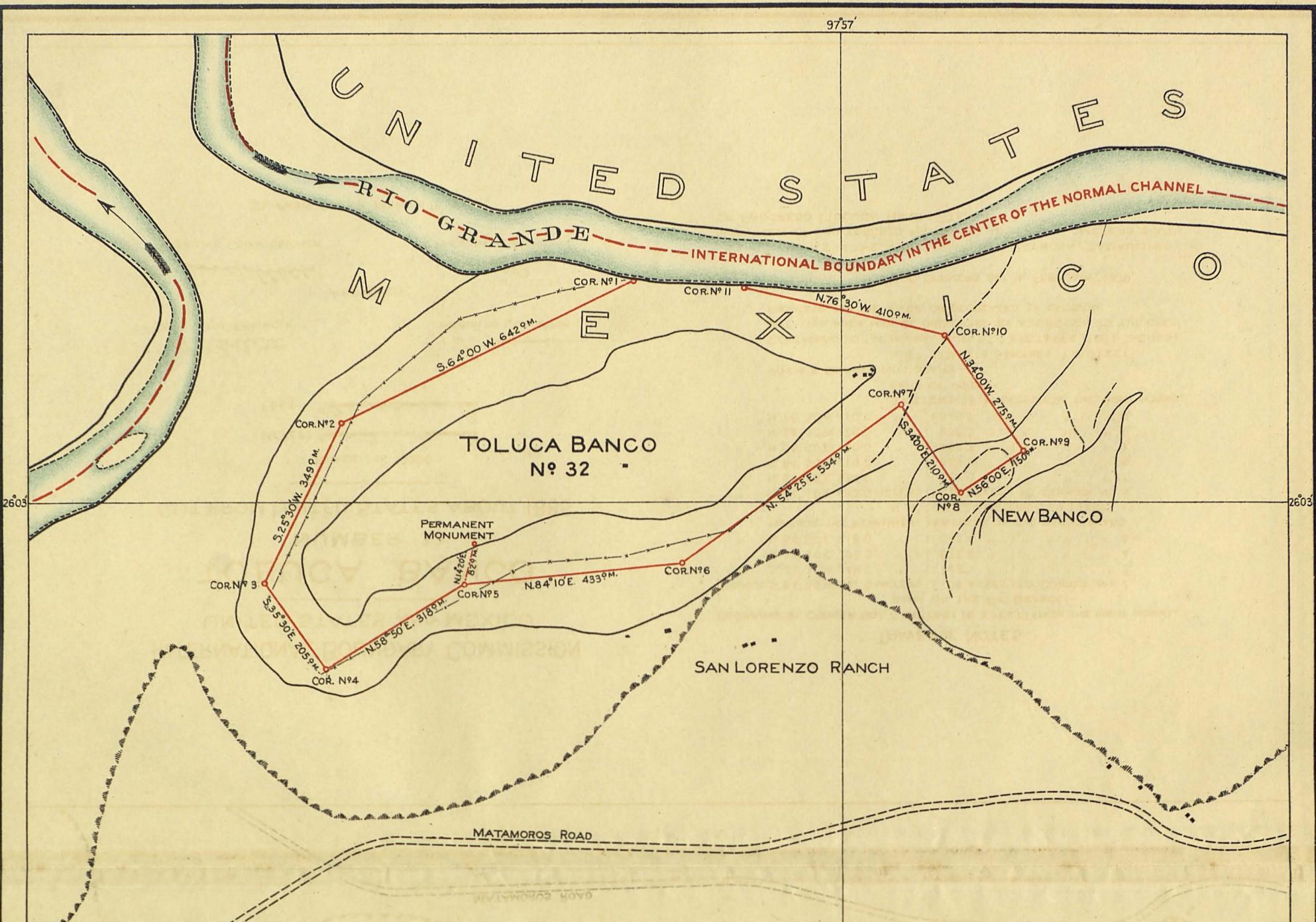
" S. 56° 15'E. 728.0 METERS ( 2388.6 FEET ) TO CORNER NO. 8,  
" S. 16° 59'E. 344.0 " ( 1128.7 " ) " " 9,  
" S. 56° 31'W. 312.0 " ( 1023.7 " ) " " 10,  
" N. 77° 14'W. 378.0 " ( 1240.1 " ) " " 11,  
" S. 75° 31'W. 306.2 " ( 1004.6 " ) " " 12,  
" S. 2° 45'W. 98.1 " ( 321.9 " ) " " 13,

IN CENTER OF OLD CHANNEL OF THE SANTA MARGARITA BANCO:-

" N. 87° 30'W. 219.0 METERS ( 718.5 FEET ) TO CORNER NO. 1.  
CONTAINING TO THE CENTER OF OLD CHANNEL 110.1 HECTARES  
( 272.1 ACRES ) BUT THIS AREA MAY BE DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, EAST OF ROSARIO RANCH,  
AND ABOUT 2 KILOMETERS EAST OF PROGRESO ( TOLUCA RANCH ).



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**TOLUCA BANCO  
NUMBER 32**

CUT FROM UNITED STATES ABOUT 1885

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Miles*  
AMERICAN COMMISSIONER

*F.J. Puga*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 64° 0' 0"W. 642.0 METERS (2106.4 FEET) TO CORNER NO. 2,  
" S. 25° 30' W. 349.0 " (1145.1 " ) " " " 3,  
" S. 35° 30' E. 205.0 " ( 672.6 " ) " " " 4,  
" N. 58° 50' E. 318.0 " (1043.4 " ) " " " 5;

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

N. 14° 20' E. 82.0 METERS (269.0 FEET).

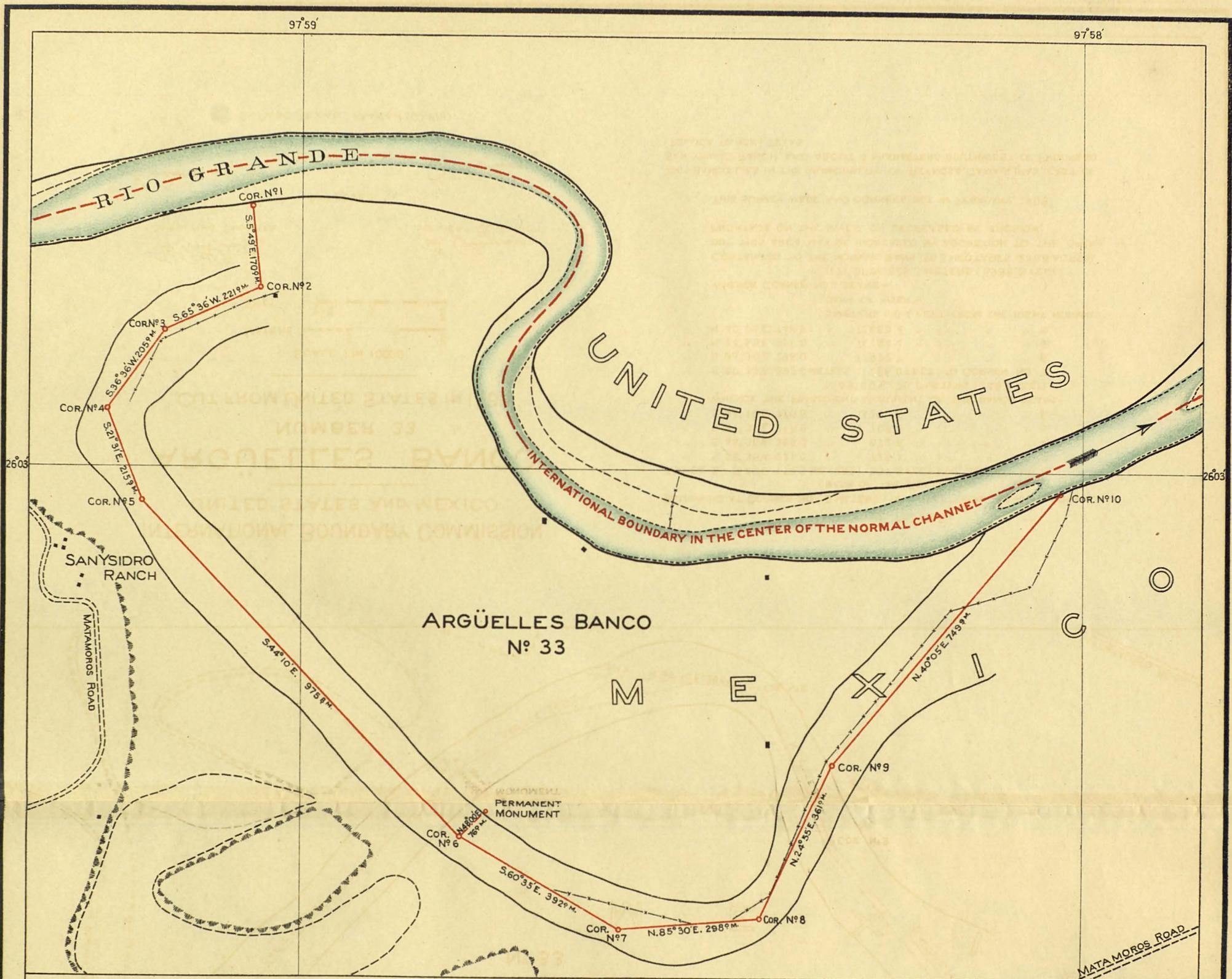
" N. 84° 10' E. 433.0 METERS (1420.7 FEET) TO CORNER NO. 6,  
" N. 54° 25' E. 534.0 " (1752.0 " ) " " " 7,  
" S. 34° 00' E. 210.0 " ( 689.0 " ) " " " 8,  
" N. 56° 00' E. 150.0 " ( 492.2 " ) " " " 9,  
" N. 34° 00' W. 275.0 " ( 902.3 " ) " " " 10,  
" N. 76° 30' W. 410.0 " (1345.2 " ) " " " 11;

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:—

WHENCE CORNER NO. 1 BEARS—  
N. 87° 17' W. 218.5 METERS (716.9 FEET).  
CONTAINING TO THE NORMAL BANK, 57.0 HECTARES (140.8 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS,  
NORTHWEST OF SAN LORENZO RANCH AND ABOUT 2 KILOMETERS SOUTH  
OF PROGRESO (TOLUCA RANCH), TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**ARGÜELLES BANCO**  
NUMBER 33  
CUT FROM UNITED STATES IN 1880

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Páez  
INGENIERO CONSULTOR

APPROVED

Austin Miles  
AMERICAN COMMISSIONER

J.J. Pérez  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 5° 49'E. 170.0 METERS (557.8 FEET) TO CORNER NO. 2,  
" S. 65° 36'W. 221.0 " (725.1 " ) " " " 3,  
" S. 36° 36'W. 205.0 " (672.6 " ) " " " 4,  
" S. 21° 31'E. 215.9 " (708.4 " ) " " " 5,  
" S. 44° 10'E. 975.8 " (3201.6 " ) " " " 6:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

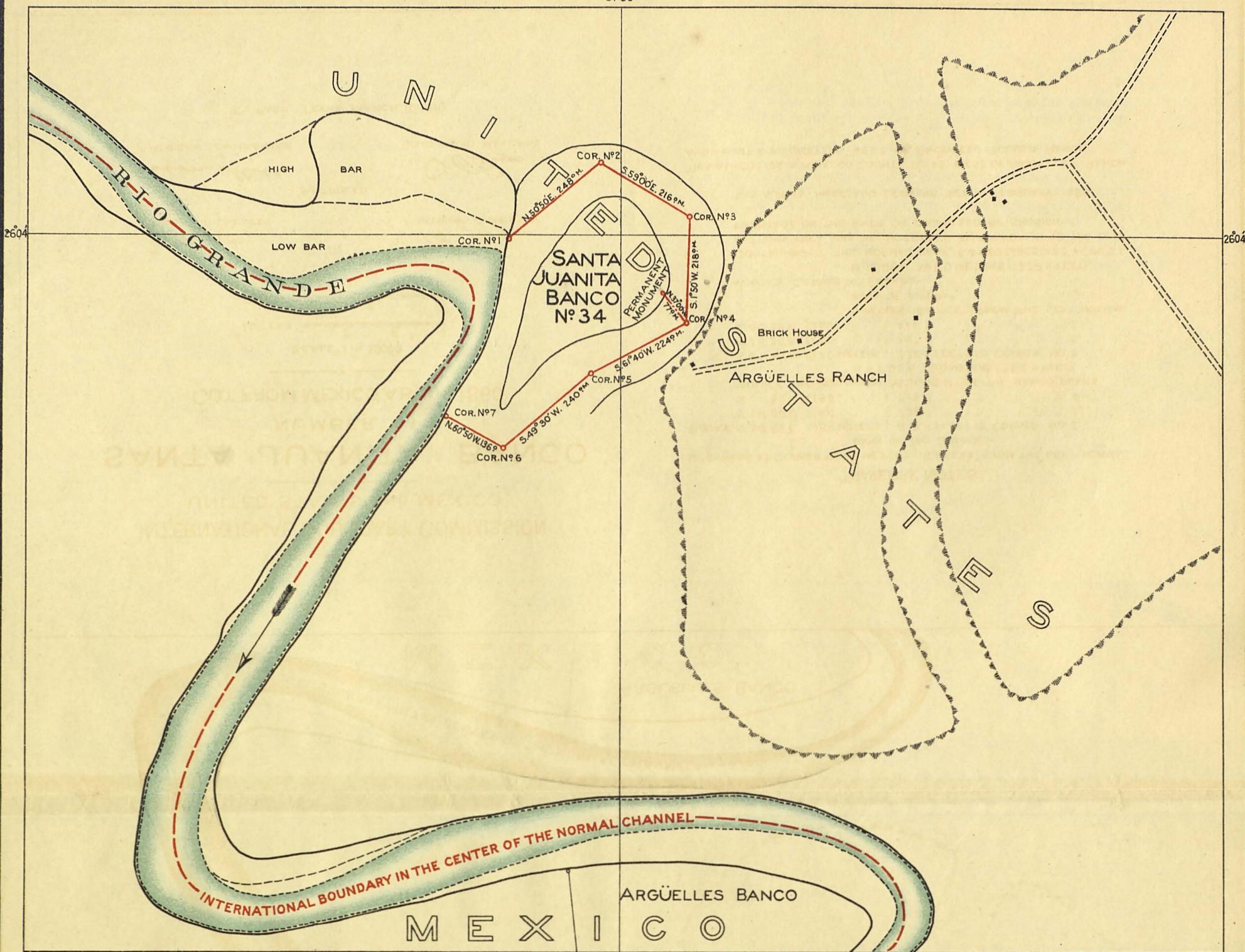
N. 48° 0'E. 76.0 METERS (249.4 FEET).  
" S. 60° 35'E. 392.0 METERS (1286.0 FEET) TO CORNER NO. 7,  
" N. 85° 30'E. 298.0 " (977.7 " ) " " " 8,  
" N. 24° 55'E. 361.0 " (1184.4 " ) " " " 9,  
" N. 40° 0'5"E. 749.9 " (2460.4 " ) " " " 10,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS -  
N. 71° 0'W. 1825.3 METERS (5988.8 FEET).  
CONTAINING TO THE NORMAL BANK, 136.3 HECTARES (336.8 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, EAST OF SAN YSIDRO RANCH, AND ABOUT 4 KILOMETERS SOUTHWEST OF PROGRESO (TOLUCA RANCH), TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

SANTA JUANITA BANCO  
NUMBER 34  
CUT FROM MEXICO ABOUT 1860

SCALE 1 IN 10000  
METERS      8      8      300  
FEET      8      8      8      1000

*T. W. Elliott*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*J. J. Diaz*  
COMISIONADO MEXICANO

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIO GRANDE:-

THENCE N. 50° 50'E. 248.0 METERS ( 813.7 FEET ) TO CORNER NO. 2,  
" S. 59° 00'E. 216.0 " ( 708.7 " ) " " 3,  
" S. 1° 50'W. 218.0 " ( 715.3 " ) " " 4:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

N. 37° 00'W. 77.0 METERS ( 252.6 FEET ).

" S. 61° 40'W. 224.0 METERS ( 734.9 FEET ) TO CORNER NO. 5,  
" S. 49° 30'W. 240.0 " ( 787.4 " ) " " 6,

" N. 60° 50'W. 136.0 " ( 446.2 " ) " " 7,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS-

N. 19° 08'E. 390.0 METERS (1279.6 FEET).

CONTAINING TO THE NORMAL BANK, 16.4 HECTARES (40.5 ACRES),  
BUT THIS AREA MAY BE INCREASED BY AGGRESSION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, WEST OF ARGÜELLES RANCH,  
AND ABOUT 4 KILOMETERS WEST OF PROGRESO (TOLUCA RANCH).

TRAVERSE NOTES

BEGINNING AT CORNER NO.1 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 38°55'W. 294.0 METERS ( 964.6 FEET) TO CORNER NO.2,  
 • N. 9°52'W. 354.6 " (1163.4 " ) " " 3,  
 • N. 30°53'E. 232.7 " ( 763.5 " ) " " 4,  
 • N. 61°35'E. 246.2 " ( 807.8 " ) " " 5,  
 • N. 83°02'E. 152.6 " ( 500.7 " ) " " 6:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 33°45'W. 100.5 METERS ( 329.7 FEET).

• S. 40°38'E. 168.0 METERS ( 551.2 FEET) TO CORNER NO.7,  
 • S. 4°33'E. 587.2 " (1926.6 " ) " " 8,  
 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIVER:—

WHENCE CORNER NO.1 BEARS—

S. 63°15'W. 445.8 METERS (1462.6 FEET).

CONTAINING TO THE NORMAL BANK, 37.7 HECTARES (93.2 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, EAST OF BALLINES RANCH,  
 AND ABOUT 7 KILOMETERS WEST OF PROGRESO (TOLUCA RANCH).

INTERNATIONAL BOUNDARY COMMISSION  
 UNITED STATES AND MEXICO

EURESTES BANCO  
 NUMBER 35

CUT FROM MEXICO IN 1882

SCALE 1 IN 10000  
 METERS 0 100 200 300  
 FEET 0 100 200 300

*W.W. Follett*  
 CONSULTING ENGINEER

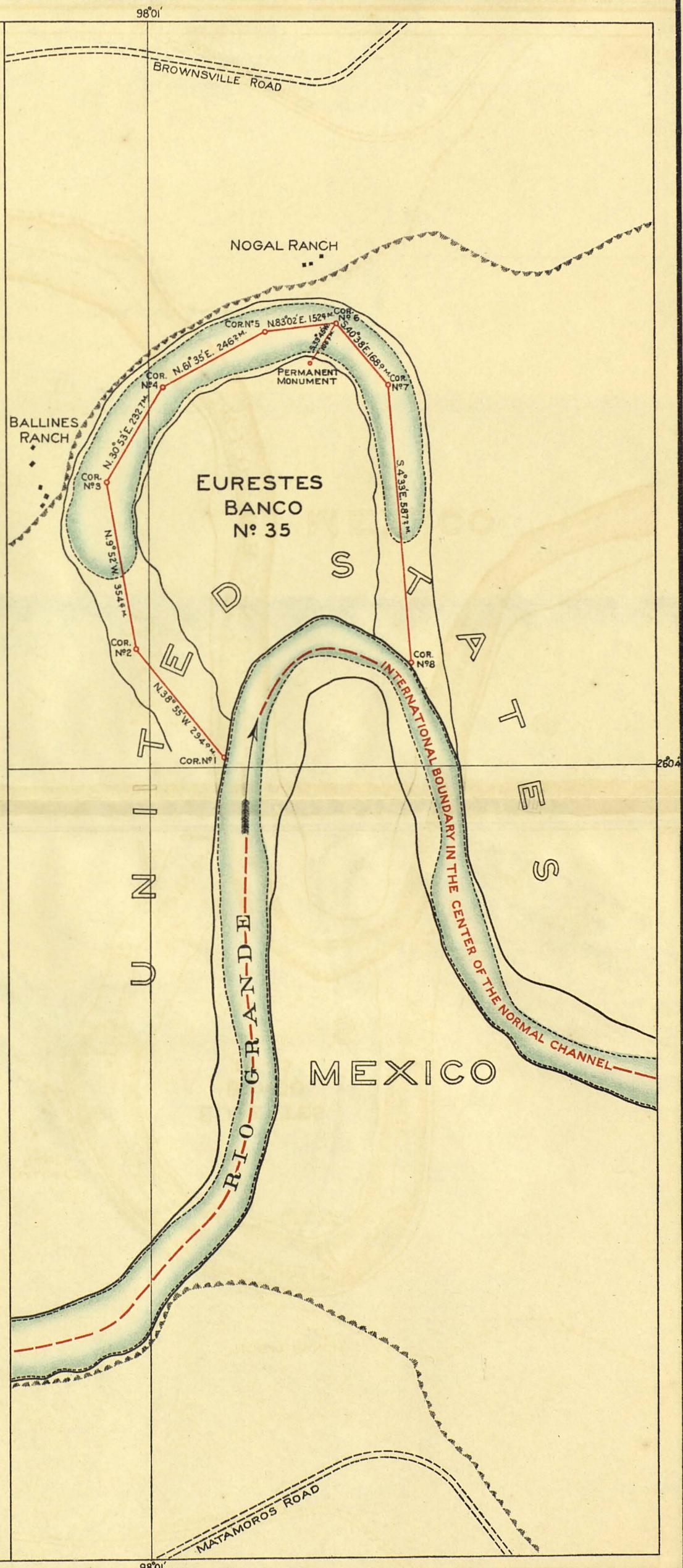
*E. Payas.*  
 INGENIERO CONSULTOR

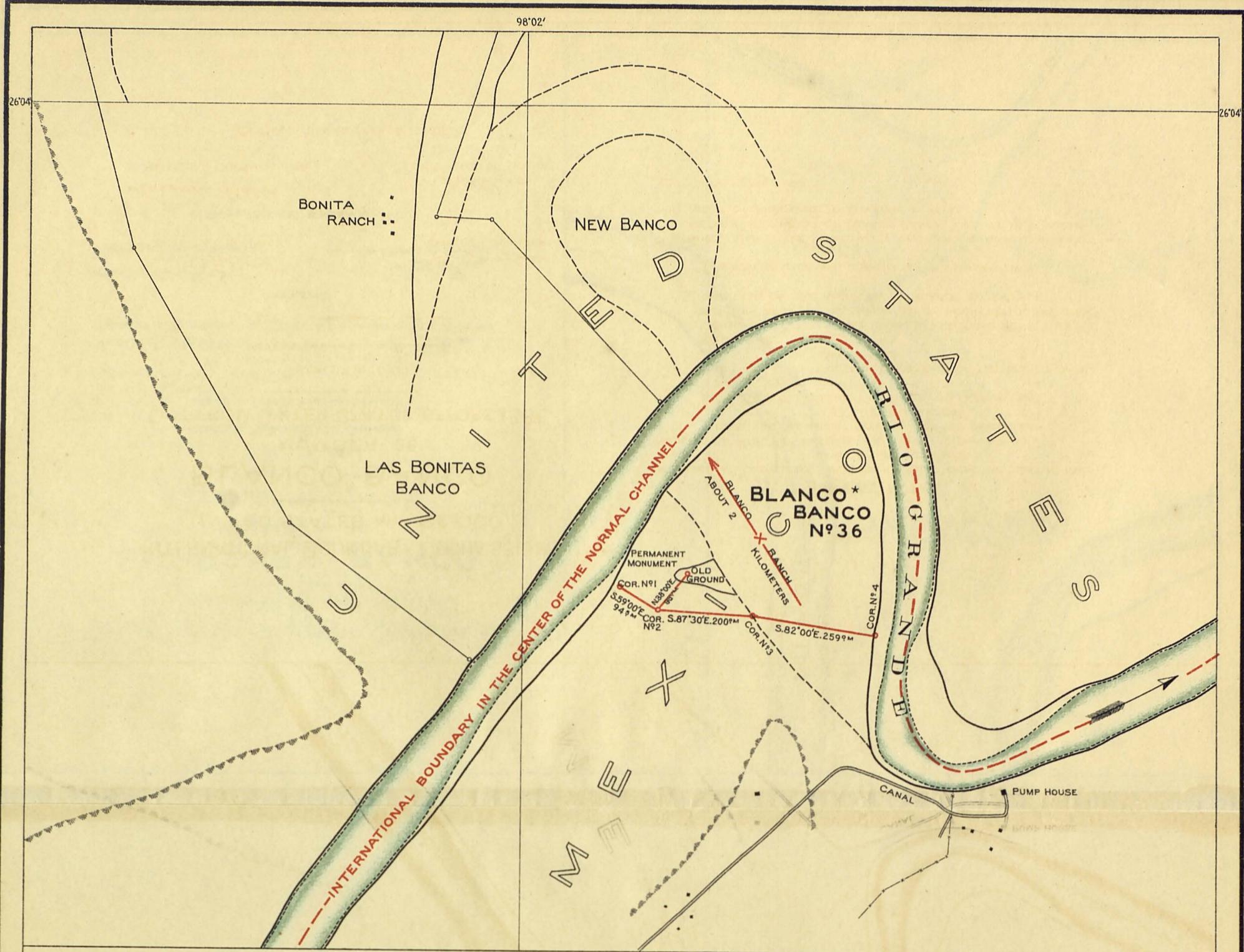
APPROVED

*Henry Miller*  
 AMERICAN COMMISSIONER

*F.J. Oya*  
 COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**BLANCO\* BANCO**  
NUMBER 36

CUT FROM UNITED STATES BEFORE 1886

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gayos.*  
INGENIERO CONSULTOR

APPROVED

*Austin Mills*  
AMERICAN COMMISSIONER

*J. A. Ortega*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:—

THENCE S. 59° 00' E. 94.5 METERS (308.6 FEET) TO CORNER NO. 2:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS N. 38° 00' E. 98.0 METERS (321.5 FEET)

" S. 87° 30' E. 200.0 METERS (656.2 FEET) TO CORNER NO. 3,

" S. 82° 00' E. 259.0 " (849.8 " ) " " 4,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER.

NO CLOSURE.

CONTAINING TO THE NORMAL BANK, 20.9 HECTARES (51.6 ACRES), BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, ABOUT 2 KILOMETERS SOUTHEAST OF BLANCO RANCH, AND ABOUT 8 KILOMETERS WEST OF PROGRESO (TOLUCA RANCH), TEXAS.

### TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:

THENCE N. 53°42'W. 473.0 METERS (1551.9 FEET) TO CORNER NO. 2,  
 " N. 30°10'W. 660.0 " (2165.5 " ) " " 3,  
 " N. 14°00'W. 532.0 " (1745.5 " ) " " 4,  
 " N. 26°15'E. 299.0 " ( 981.0 " ) " " 5,  
 " N. 48°06'E. 558.0 " (1830.8 " ) " " 6:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 21°16'W. 212.7 METERS ( 697.9 FEET).  
 " N. 71°04'E. 383.0 METERS (1256.6 FEET) TO CORNER NO. 7,  
 " S. 85°36'E. 192.0 " ( 630.0 " ) " " 8,  
 " S. 32°23'E. 146.0 " ( 479.0 " ) " " 9,  
 " S. 23°39'W. 583.0 " (1912.8 " ) " " 10,  
 " S. 18°05'W. 558.0 " (1830.8 " ) " " 11,  
 " S. 86°20'E. 117.0 " ( 383.9 " ) " " 12,  
 " S. 43°29'E. 516.0 " (1693.0 " ) " " 13,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS-

S. 36°21'W. 680.0 METERS (2231.1 FEET).  
 CONTAINING TO THE NORMAL BANK, 154.5 HECTARES (381.8 ACRES),  
 BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, SOUTH OF BLANCO RANCH,  
 AND ABOUT 9 KILOMETERS WEST OF PROGRESO (TOLUCA RANCH).

INTERNATIONAL BOUNDARY COMMISSION  
 UNITED STATES AND MEXICO

## LAS BONITAS BANCO

NUMBER 37

CUT FROM MEXICO IN 1893

SCALE 1 IN 10000  
 METERS 0 100 200 300  
 FEET 0 100 200 300

*W.W. Follett*  
 CONSULTING ENGINEER

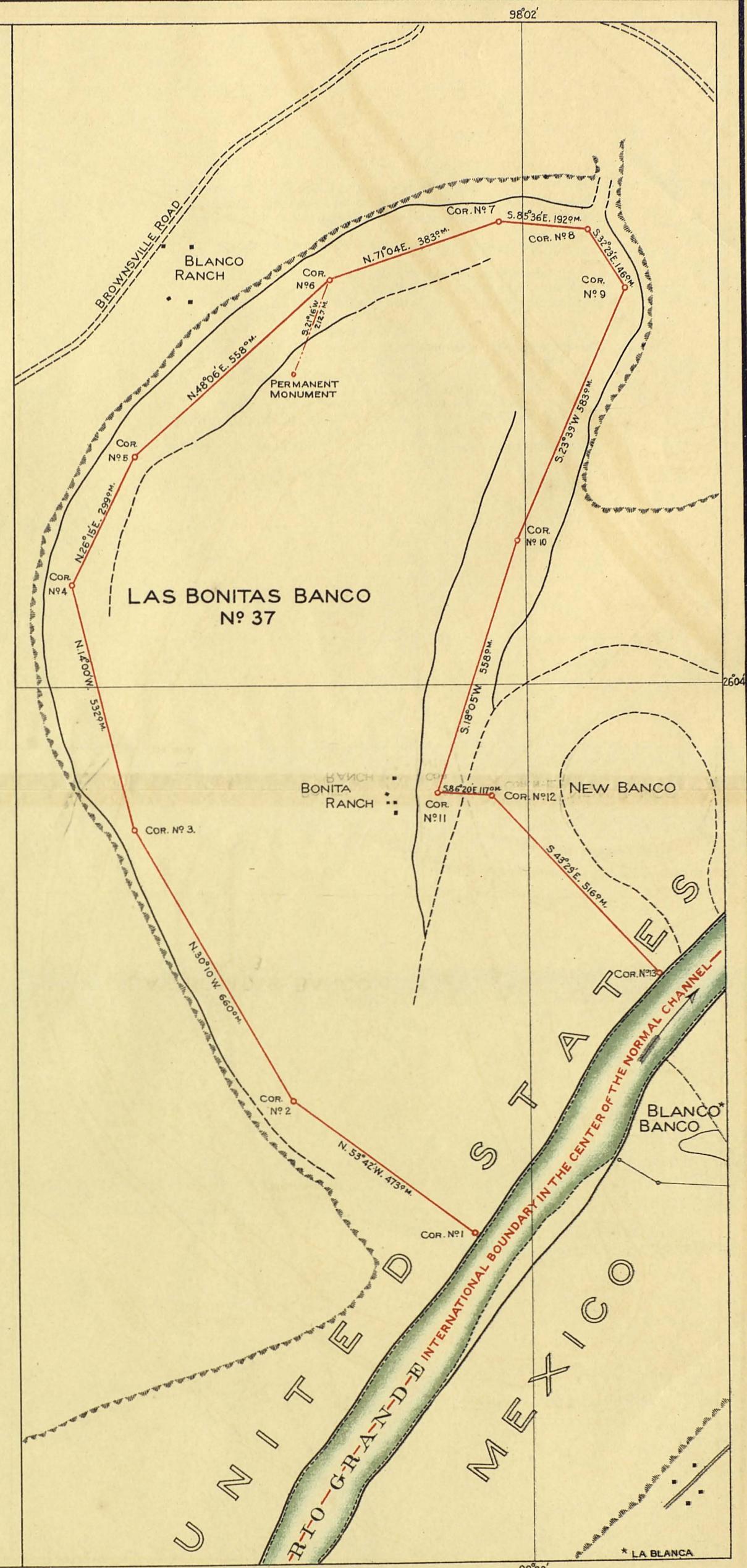
*E. Payar*  
 INGENIERO CONSULTOR

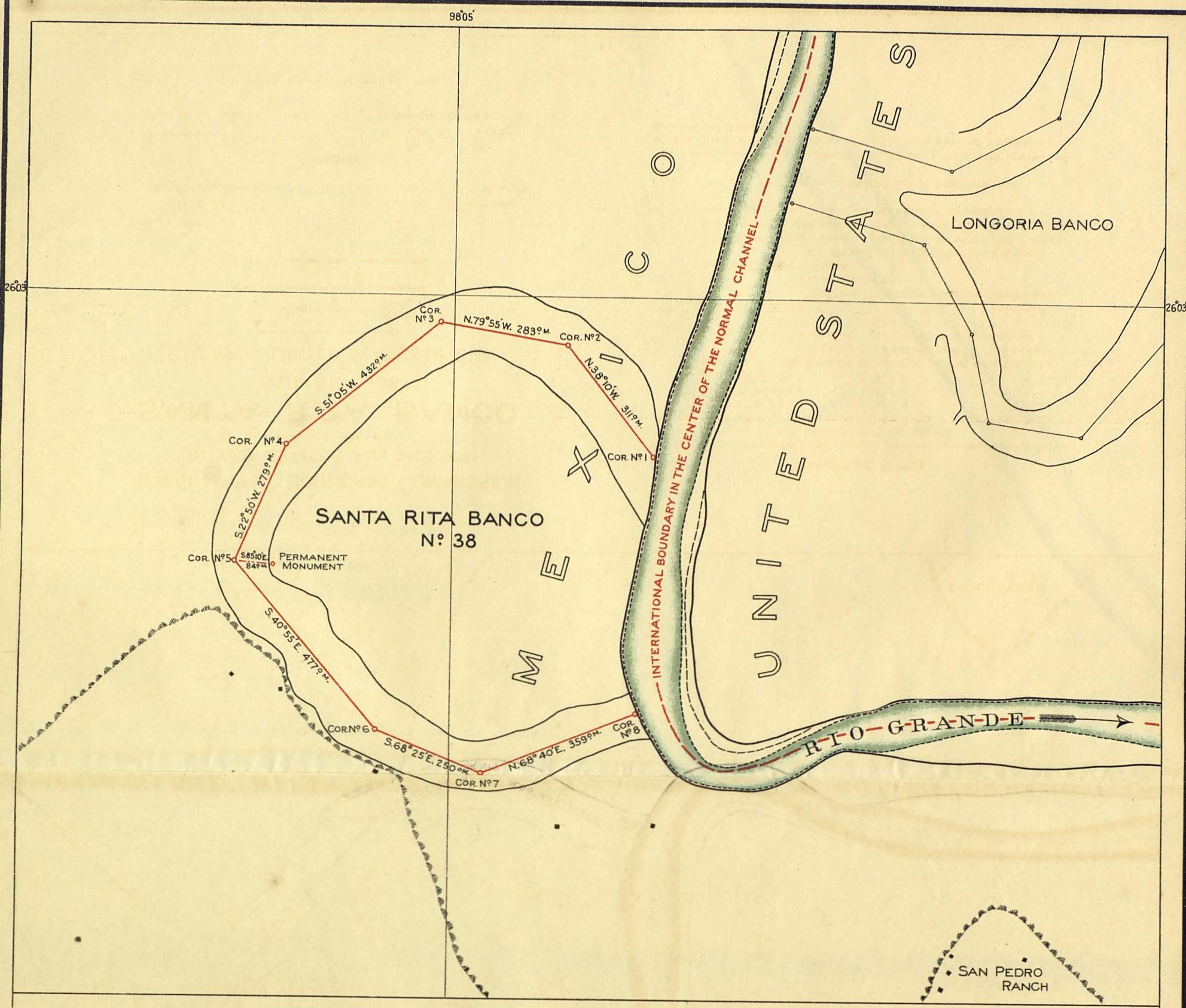
APPROVED

*A. A. Miller*  
 AMERICAN COMMISSIONER

*J. D. Payar*  
 COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
**SANTA RITA BANCO**  
NUMBER 38  
CUT FROM UNITED STATES IN 1882

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 500 1000

W.W. Follett  
CONSULTING ENGINEER

E. Payas.  
INGENIERO CONSULTOR

APPROVED

Audson Miles  
AMERICAN COMMISSIONER

F.J. Payas  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER No.1 7 METERS (23.0 FEET) FROM THE RIGHT NORMAL

BANK OF THE RIO GRANDE:—

THENCE N. 38° 10' W. 311.0 METERS (1020.4 FEET) TO CORNER No. 2,  
" N. 79° 55' W. 283.0 " (928.5 " ) " " 3,  
" S. 51° 05' W. 432.0 " (1417.4 " ) " " 4,  
" S. 22° 50' W. 279.0 " (915.4 " ) " " 5:—  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 85° 10' E. 84.0 METERS (275.6 FEET).

" S. 40° 55' E. 477.0 METERS (1565.0 FEET) TO CORNER No. 6,  
" S. 68° 25' E. 250.0 " (820.3 " ) " " 7,  
" N. 68° 40' E. 359.0 " (1177.9 " ) " " 8,

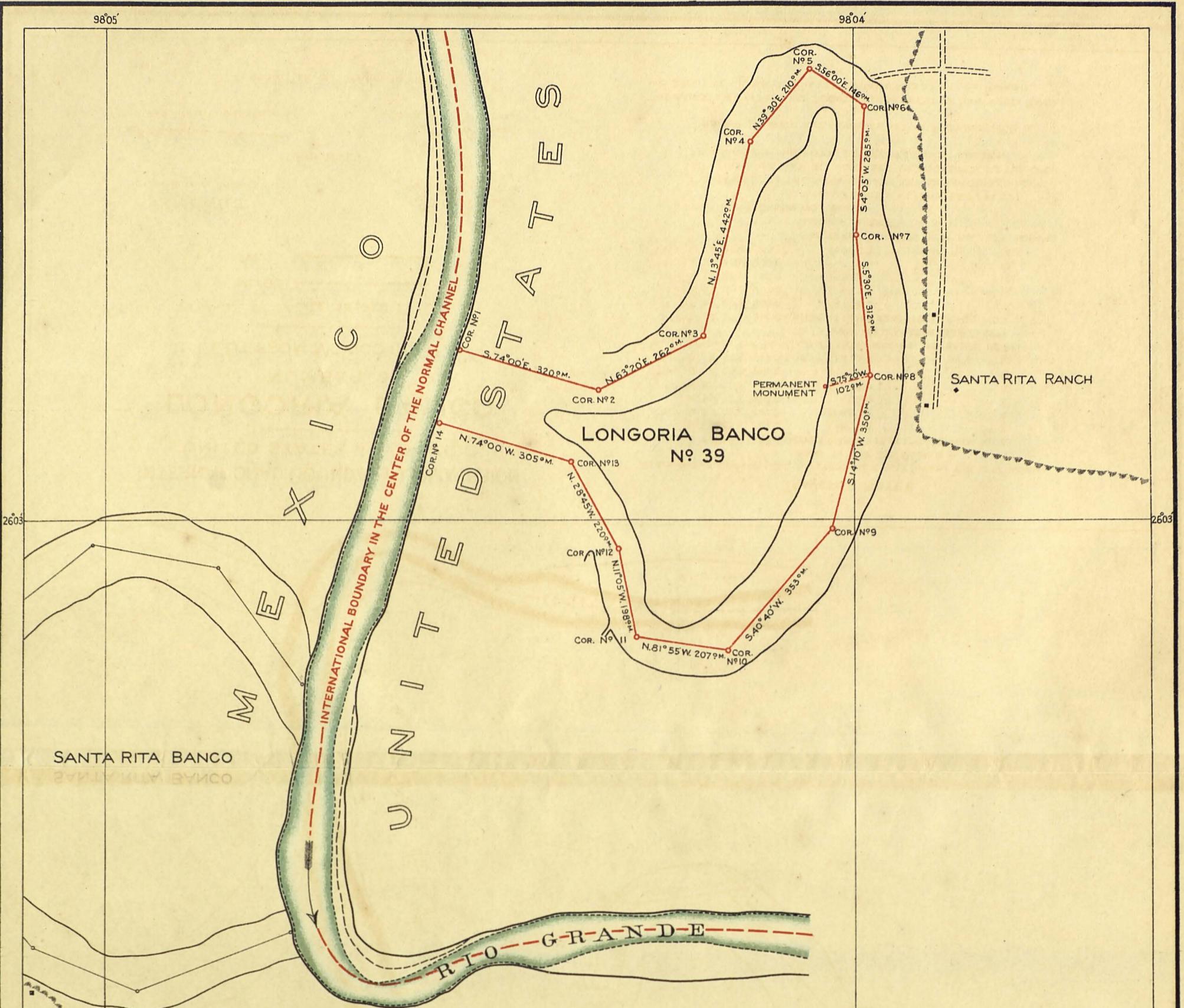
10 METERS (32.8 FEET) FROM THE RIGHT NORMAL

BANK OF RIVER:—

WHENCE CORNER No. 1 BEARS—  
N. 3° 43' E. 557.4 METERS (1828.8 FEET).  
CONTAINING TO THE NORMAL BANK, 63.0 HECTARES (155.7 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTEAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, NORTHWEST  
OF SAN PEDRO RANCH, AND ABOUT 14 KILOMETERS WEST OF PROGRESO (To-  
LUCA RANCH), TEXAS.



INTERNATIONAL BOUNDARY COMMISSION

UNITED STATES AND MEXICO

**LONGORIA BANCO**

NUMBER 39

CUT FROM MEXICO IN 1872

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Feltt*  
CONSULTING ENGINEER

*E. Payno.*  
INGENIERO CONSULTOR

APPROVED

*Hudson Miles*  
AMERICAN COMMISSIONER

*J.J. Payno*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 74° 00'E. 320.0 METERS (1049.9 FEET) TO CORNER NO. 2,  
" N. 63° 20'E. 262.0 " ( 859.6 " ) " " 3,  
" N. 13° 45'E. 442.0 " (1450.2 " ) " " 4,  
" N. 39° 30'E. 210.0 " ( 689.0 " ) " " 5,  
" S. 56° 00'E. 146.0 " ( 479.0 " ) " " 6,  
" S. 4° 05'W. 285.0 " ( 935.1 " ) " " 7,  
" S. 5° 30'E. 312.0 " (1023.7 " ) " " 8:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 75° 20'W. 102.0 METERS (334.7 FEET).

" S. 14° 10'W. 350.0 METERS (1148.4 FEET) TO CORNER NO. 9,  
" S. 40° 40'W. 353.0 " (1158.2 " ) " " 10,  
" N. 81° 55'W. 207.0 " ( 697.2 " ) " " 11,  
" N. 11° 05'W. 198.0 " ( 649.6 " ) " " 12,  
" N. 28° 45'W. 220.0 " ( 721.8 " ) " " 13,  
" N. 74° 00'W. 305.0 " (1000.7 " ) " " 14,

6 METERS (19.7 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS  
N. 16° 03'E. 168.9 METERS (554.2 FEET).  
CONTAINING TO THE NORMAL BANK, 53.7 HECTARES (132.7 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, WEST OF SANTA RITA RANCH,  
AND ABOUT 12 KILOMETERS WEST OF PROGRESO (TOLUCA RANCH).



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

SAN JUAN DEL RIO BANCO  
NUMBER 40  
CUT FROM MEXICO IN 1890

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payares.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Miller*  
AMERICAN COMMISSIONER

*J. O. Puga*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO.1,5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

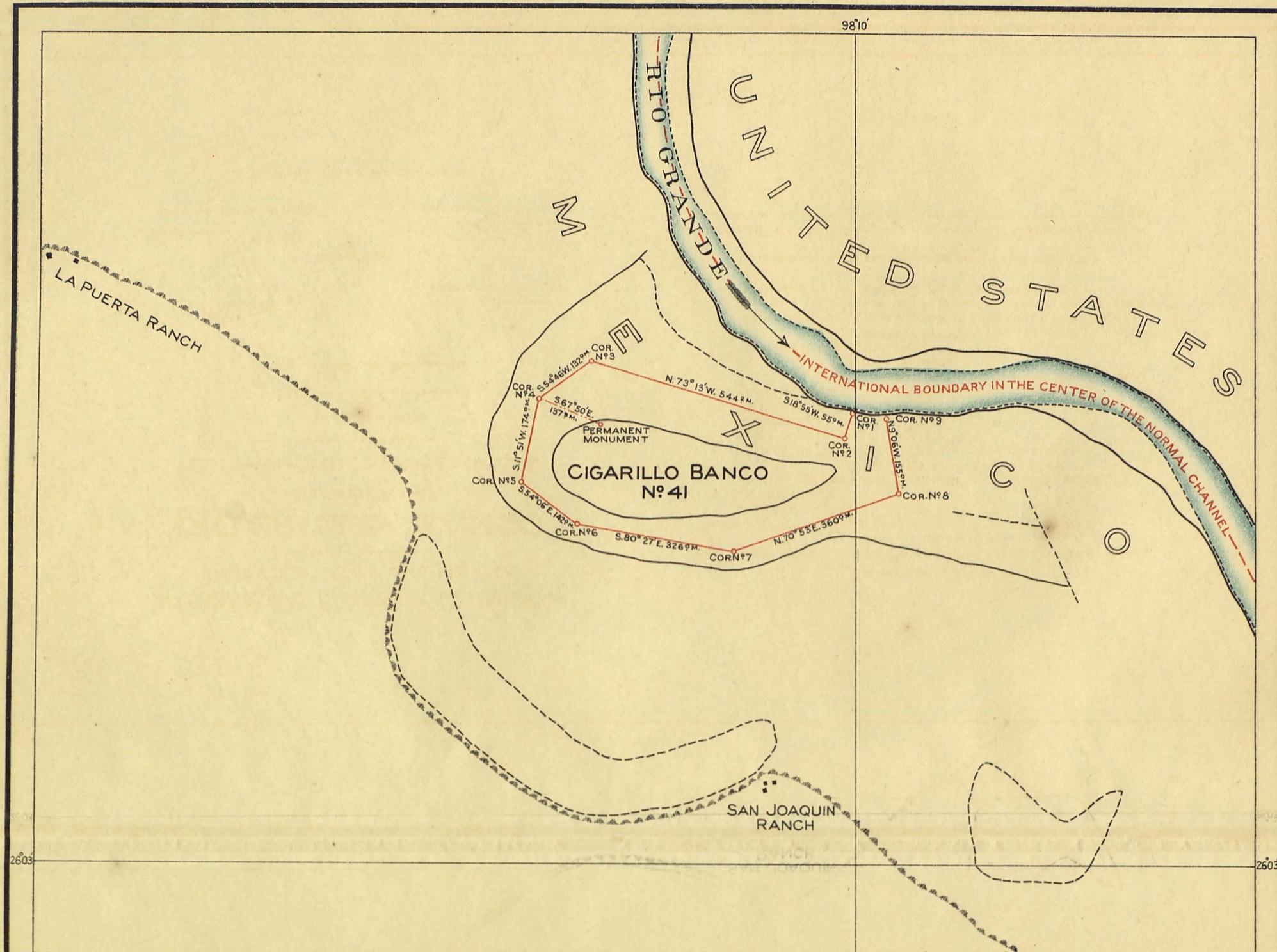
THENCE N. 0°02'E. 313.0 METERS (1027.0 FEET) TO CORNER NO.2,  
" N. 26°48'W. 263.0 " (862.9 " ) " " 3:-  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S.88°19'W. 110.1 METERS (361.2 FEET).  
" N. 25°02'E. 204.0 METERS (669.3 FEET) TO CORNER NO.4,  
" S. 71°38'E. 180.0 " (590.6 " ) " " 5,  
" S. 0°43'E. 281.0 " (922.0 " ) " " 6,  
" S. 0°02'W. 417.0 " (1368.2 " ) " " 7,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER NO.1 BEARS  
N.81°10'W. 143.7 METERS (471.5 FEET).  
CONTAINING TO THE NORMAL BANK, 12.9 HECTARES (31.9 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, EAST OF YOUNG'S RANCH,  
AND ABOUT 16 KILOMETERS WEST OF PROGRESO (TOLUCA RANCH).



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

CIGARILLO BANCO

NUMBER 41

CUT FROM UNITED STATES IN 1894

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gayas*  
INGENIERO CONSULTOR

APPROVED

*Aaron Mills*  
AMERICAN COMMISSIONER

*J.O. Dyer*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 18° 55' W. 55.0 METERS (180.5 FEET) TO CORNER NO. 2,  
" N. 73° 13' W. 544.2 " (1785.5 " ) " " " 3,

" S. 54° 46' W. 132.0 " (433.1 " ) " " " 4-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 67° 50' E. 137.9 METERS (452.4 FEET).

" S. 11° 51' W. 174.0 METERS (570.9 FEET) TO CORNER NO. 5,

" S. 54° 06' E. 142.0 " (465.9 " ) " " " 6,

" S. 80° 27' E. 326.0 " (1069.6 " ) " " " 7,

" N. 70° 53' E. 360.0 " (1181.2 " ) " " " 8,

" N. 9° 06' W. 155.0 " (508.6 " ) " " " 9,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:-

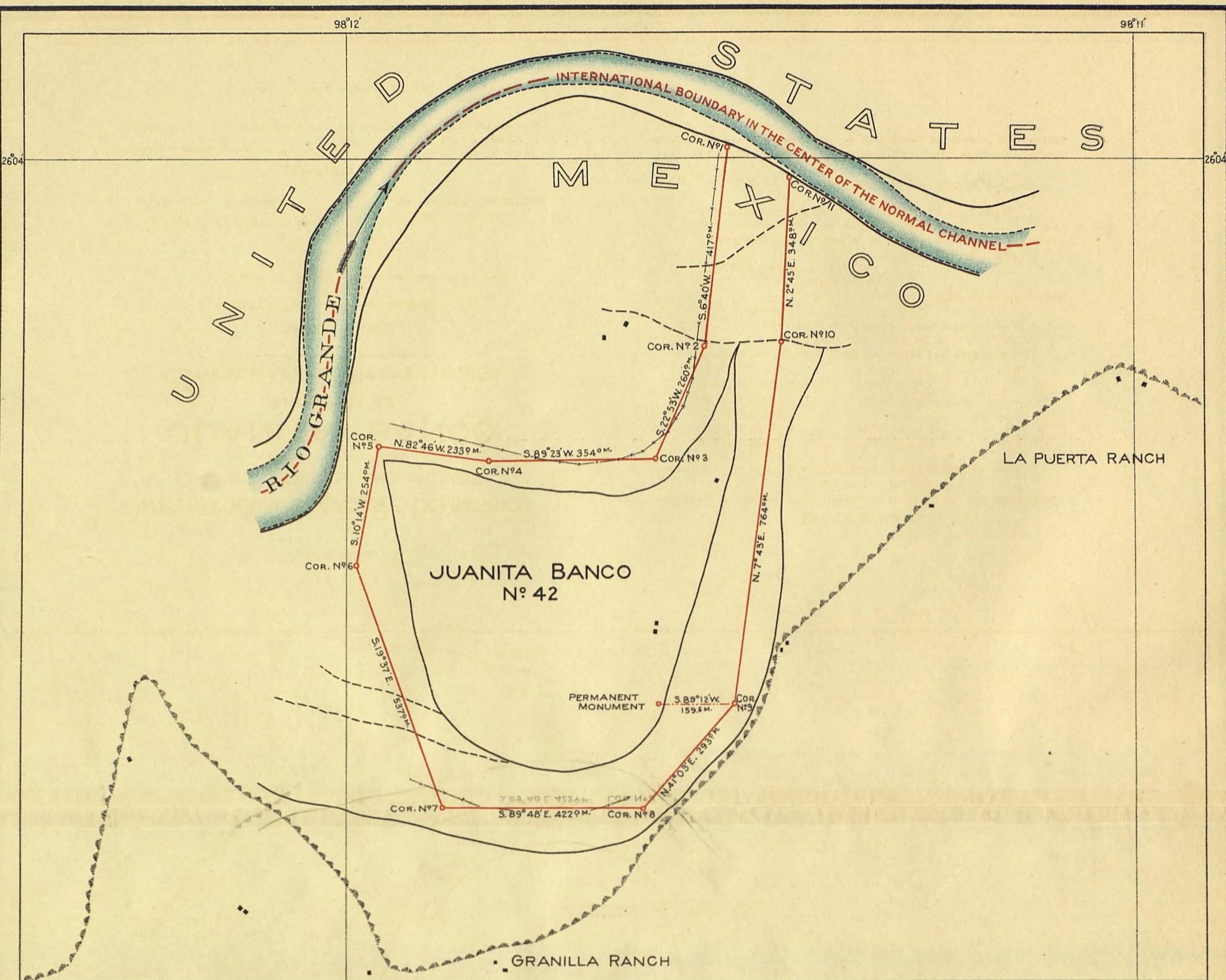
WHENCE CORNER NO. 1 BEARS -

N. 83° 37' W. 70.3 METERS (230.7 FEET).

CONTAINING TO THE NORMAL BANK, 19.5 HECTARES (48.2 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, NORTH OF  
SAN JOAQUIN RANCH, AND ABOUT 9 KILOMETERS SOUTHEAST OF HIDALGO, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO  
JUANITA BANCO  
NUMBER 42  
CUT FROM UNITED STATES IN 1884

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 200 500 1000

W.W. Follett  
CONSULTING ENGINEER

E. Fazas  
INGENIERO CONSULTOR

APPROVED

Austin Miles  
AMERICAN COMMISSIONER

J. O. Puga  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 6°40' W. 417.0 METERS (1368.2 FEET) TO CORNER NO. 2,  
" S. 22°53' W. 260.0 " ( 853.1 " ) " " 3,  
" S. 89°23' W. 354.0 " ( 1161.5 " ) " " 4,  
" N. 82°46' W. 233.0 " ( 764.5 " ) " " 5,  
" S. 10°14' W. 254.0 " ( 833.4 " ) " " 6,  
" S. 19°37' E. 537.0 " ( 1761.9 " ) " " 7,  
" S. 89°48' E. 422.0 " ( 1384.6 " ) " " 8,  
" N. 41°03' E. 293.0 " ( 961.3 " ) " " 9,

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 89°12' W. 159.5 METERS (523.3 FEET).

" N. 7°43' E. 764.0 METERS (2506.7 FEET) TO CORNER NO. 10,  
" N. 2°45' E. 348.0 " ( 1141.8 " ) " " 11,

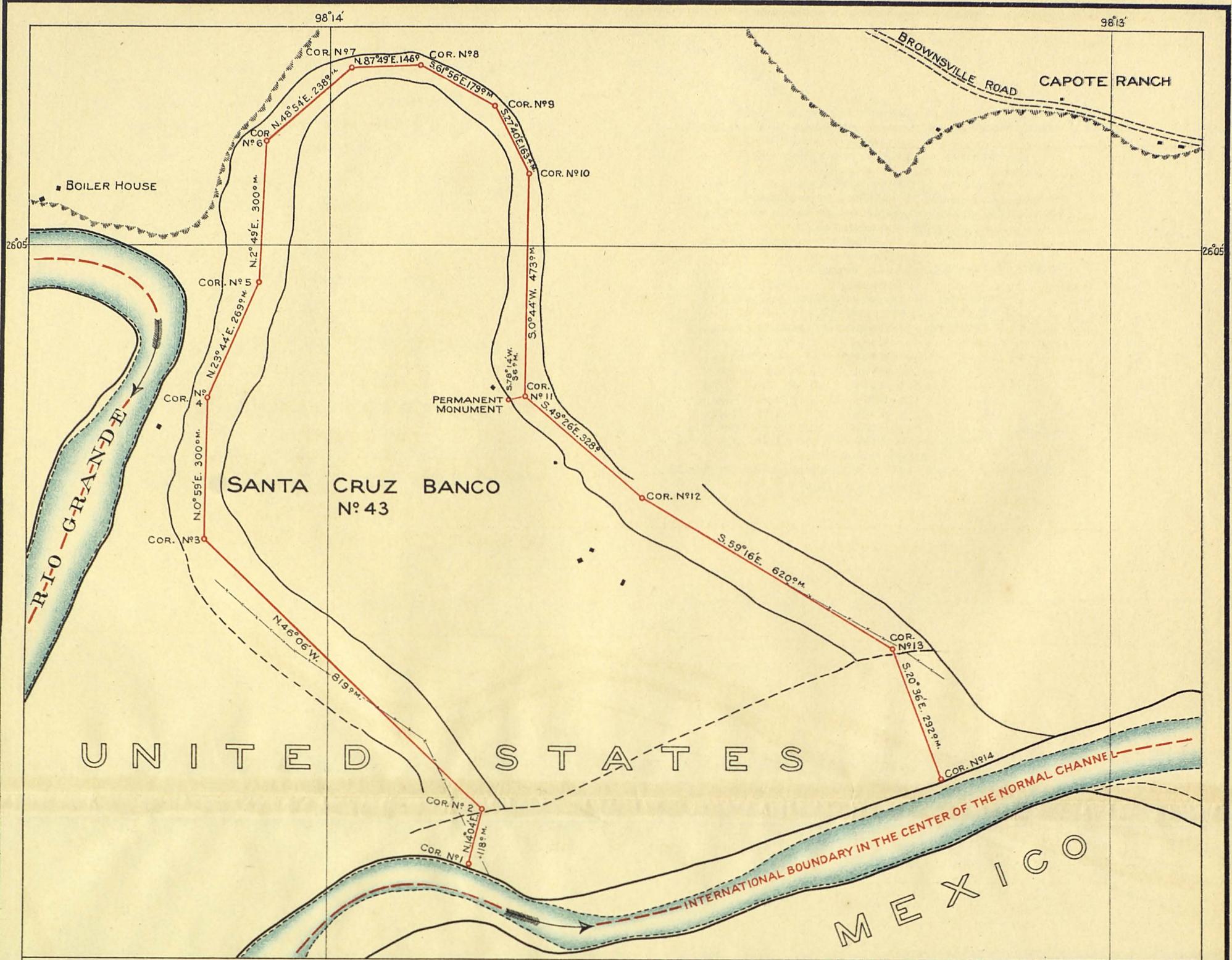
5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS—  
N. 66°02' W. 146.8 METERS (481.7 FEET),  
CONTAINING TO THE NORMAL BANK, 63.6 HECTARES (157.2 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, NORTH  
OF GRANILLA RANCH, AND ABOUT 6 KILOMETERS SOUTHEAST OF HIDALGO,  
TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

SANTA CRUZ BANCO  
NUMBER 43  
CUT FROM MEXICO ABOUT 1881

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Payno.  
INGENIERO CONSULTOR

APPROVED

Austin Mills  
AMERICAN COMMISSIONER

J.P. Payno.  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER No.1, 7 METERS (23.0 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 14° 04' E. 118.0 METERS (387.2 FEET) TO CORNER No. 2,  
" N. 46° 06' W. 819.0 " (2687.1 " ) " " 3,  
" N. 0° 59' E. 300.0 " (984.3 " ) " " 4,  
" N. 23° 44' E. 269.0 " (882.6 " ) " " 5,  
" N. 2° 49' E. 300.0 " (984.3 " ) " " 6,  
" N. 48° 54' E. 238.0 " (780.9 " ) " " 7,  
" N. 87° 49' E. 146.0 " (479.0 " ) " " 8,  
" S. 61° 56' E. 179.0 " (587.3 " ) " " 9,  
" S. 27° 40' E. 163.4 " (536.1 " ) " " 10,  
" S. 0° 44' W. 473.0 " (1551.9 " ) " " 11:—

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 78° 14' W. 36.0 METERS (118.1 FEET).

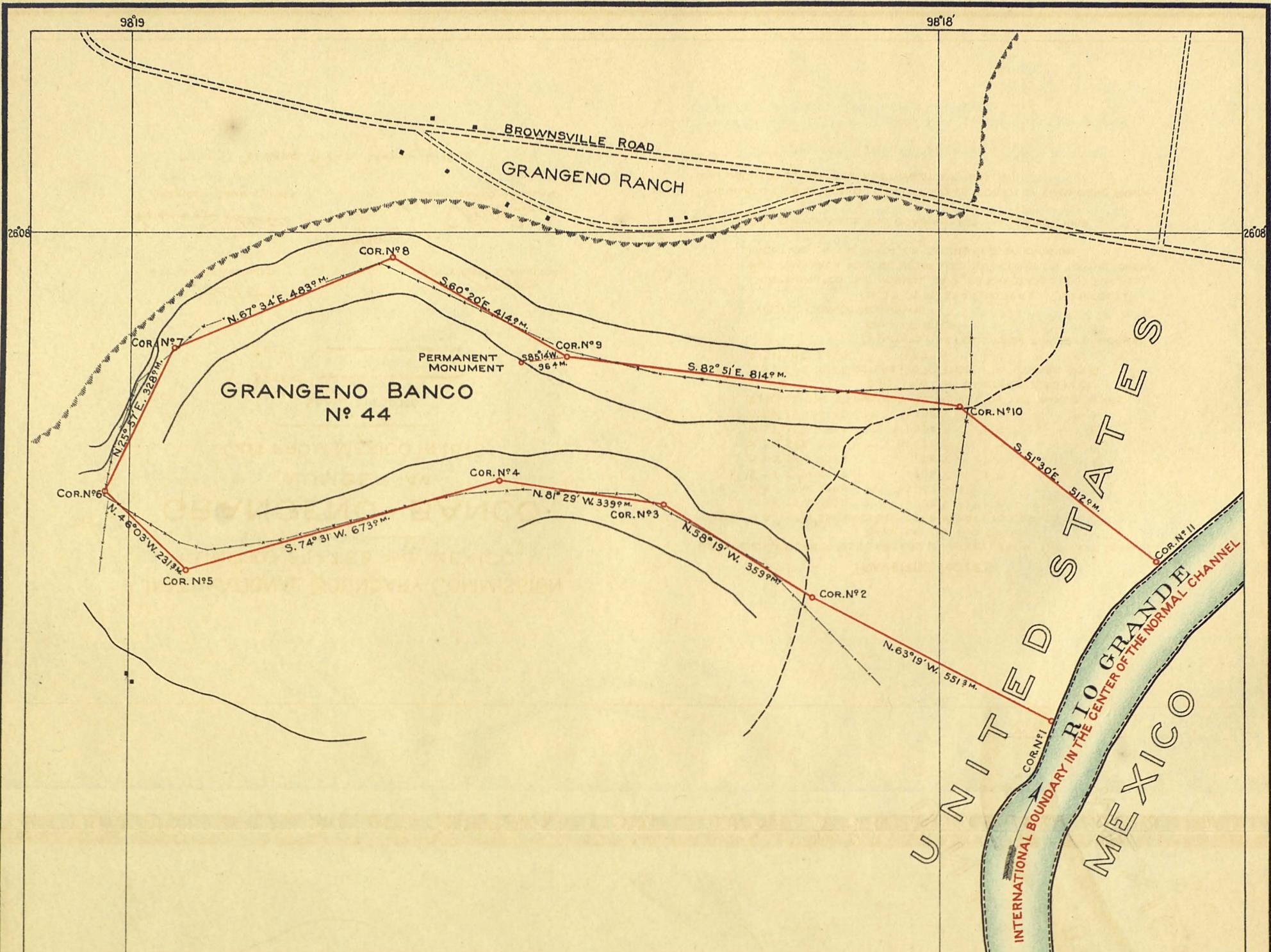
" S. 49° 26' E. 328.0 METERS (1076.2 FEET) TO CORNER No.12,  
" S. 59° 16' E. 620.0 " (2034.2 " ) " " 13,  
" S. 20° 36' E. 292.0 " (958.1 " ) " " 14,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:—

WHENCE CORNER No.1 BEARS—  
S. 79° 34' W. 1021.0 METERS (3349.9 FEET).  
CONTAINING TO THE NORMAL BANK, 137.0 HECTARES (338.5 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN FEBRUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, SOUTHEAST OF CAPOTE RANCH,  
AND ABOUT 4 KILOMETERS SOUTHEAST OF HIDALGO.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**GRANGENO BANCO**  
NUMBER 44  
CUT FROM MEXICO IN 1870

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Rayas.  
INGENIERO CONSULTOR

APPROVED

A. L. Miles  
AMERICAN COMMISSIONER

O. O. Rayas  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. I, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:-

THENCE N. 63° 19' W. 551.3 METERS (1808.8 FEET) TO CORNER NO. 2,  
" N. 58° 19' W. 359.0 " (1177.9 " ) " " " 3,  
" N. 81° 29' W. 339.0 " (1112.3 " ) " " " 4,  
" S. 74° 31' W. 673.0 " (2208.1 " ) " " " 5,  
" N. 46° 03' W. 231.3 " (758.9 " ) " " " 6,  
" N. 25° 57' E. 328.0 " (1076.2 " ) " " " 7,  
" N. 67° 34' E. 483.0 " (1584.7 " ) " " " 8,  
" S. 60° 20' E. 414.0 " (1358.3 " ) " " " 9,

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S. 85° 14' W. 96.4 METERS (316.3 FEET).

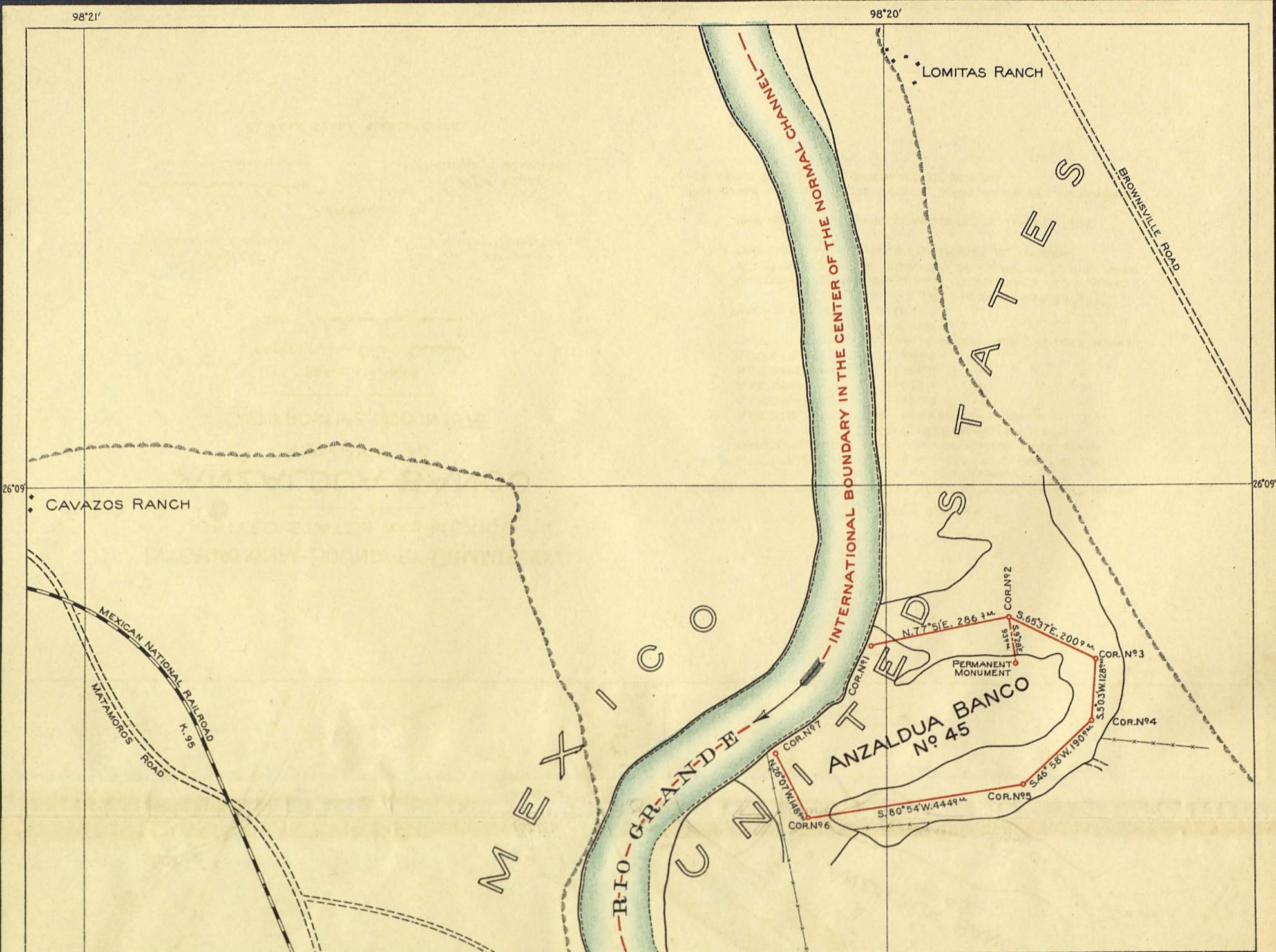
" S. 82° 51' E. 814.0 METERS (2670.7 FEET) TO CORNER NO. 10,  
" S. 51° 30' E. 512.0 " (1679.9 " ) " " " 11,  
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. I BEARS -  
S. 33° 09' W. 384.2 METERS (1260.6 FEET).

CONTAINING TO THE NORMAL BANK, 83.9 HECTARES (207.3 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, SOUTH OF GRANGENO RANCH,  
AND ABOUT 6 KILOMETERS NORTHWEST OF HIDALGO.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**ANZALDUA BANCO**

NUMBER 45

CUT FROM MEXICO IN 1876

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gayas*  
INGENIERO CONSULTOR

APPROVED

*John H. Hill*  
AMERICAN COMMISSIONER

*J. O. Payer*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:—

THENCE N. 77° 5' E. 286.3 METERS ( 939.4 FEET ) TO CORNER NO. 2:—  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 9° 28' E. 93.0 METERS (305.1 FEET).

" S. 65° 37' E. 200.0 METERS ( 656.2 FEET ) TO CORNER NO. 3,  
" S. 5° 03' W. 128.0 " ( 420.0 " ) " " " 4,  
" S. 46° 58' W. 190.0 " ( 623.4 " ) " " " 5,  
" S. 80° 54' W. 444.0 " ( 1456.8 " ) " " " 6,  
" N. 26° 07' W. 148.0 " ( 485.6 " ) " " " 7,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER.

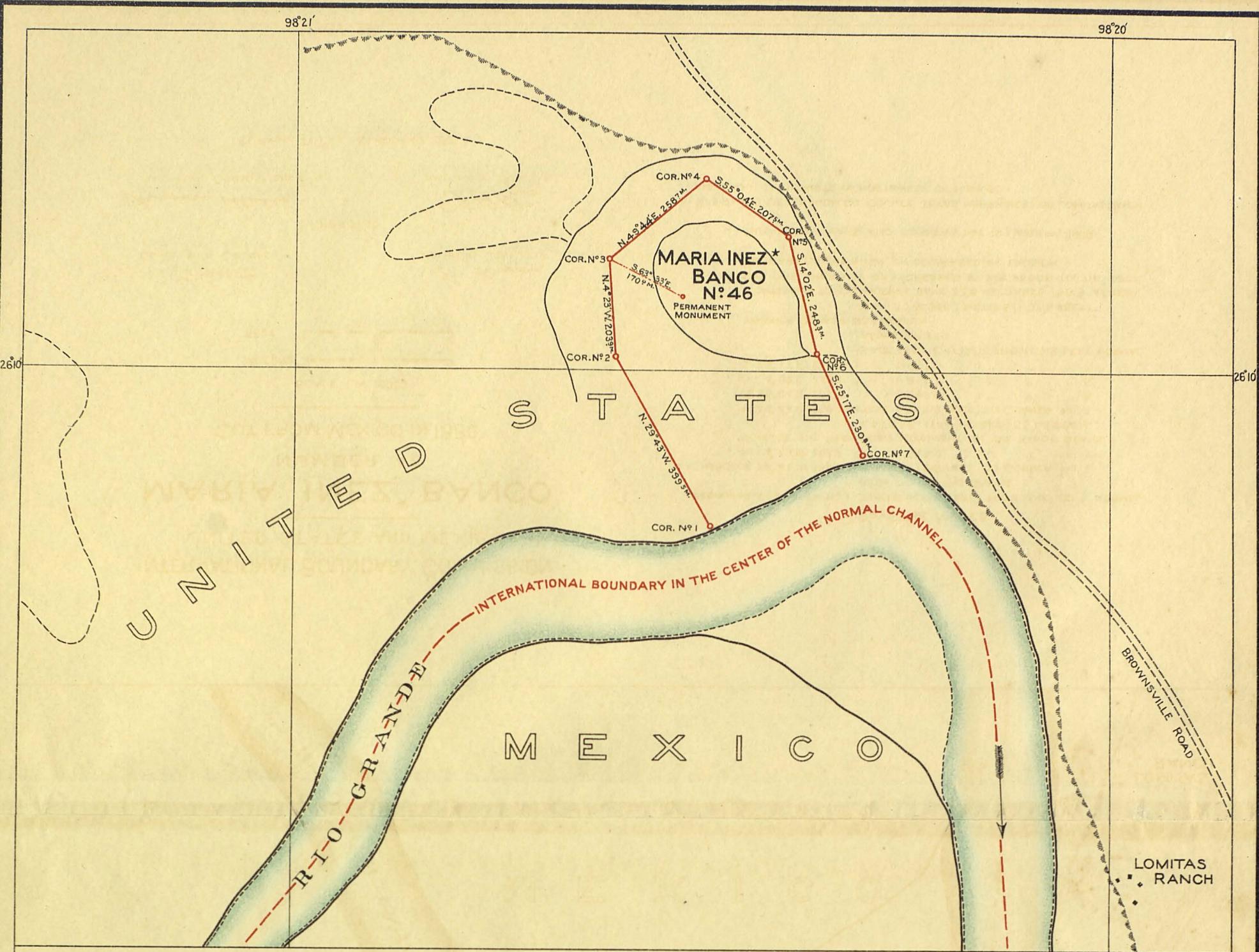
WHENCE CORNER NO. 1 BEARS—

N. 41° 29' E. 289.2 METERS ( 948.9 FEET ).

CONTAINING TO THE NORMAL BANK, 17.4 HECTARES ( 43.0 ACRES ),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, SOUTH OF LOMITAS RANCH,  
AND ABOUT 9 KILOMETERS NORTHWEST OF HIDALGO.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

MARIA INEZ\* BANCO  
NUMBER 46  
CUT FROM MEXICO IN 1880

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas*  
INGENIERO CONSULTOR

APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*F.J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE —  
THENCE N. 29° 43'W. 399.5 METERS (1310.8 FEET) TO CORNER NO. 2,  
" N. 4° 23'W. 203.9 " (669.0 " ) " " 3:-  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S.63° 33'E. 170.0 METERS (557.8 FEET).

" N. 49° 44'E. 258.7 METERS (848.8 FEET) TO CORNER NO. 4,  
" S. 55° 04'E. 207.5 " (680.8 " ) " " 5,  
" S. 14° 02'E. 248.3 " (814.7 " ) " " 6,  
" S. 25° 17'E. 230.8 " (757.3 " ) " " 7,

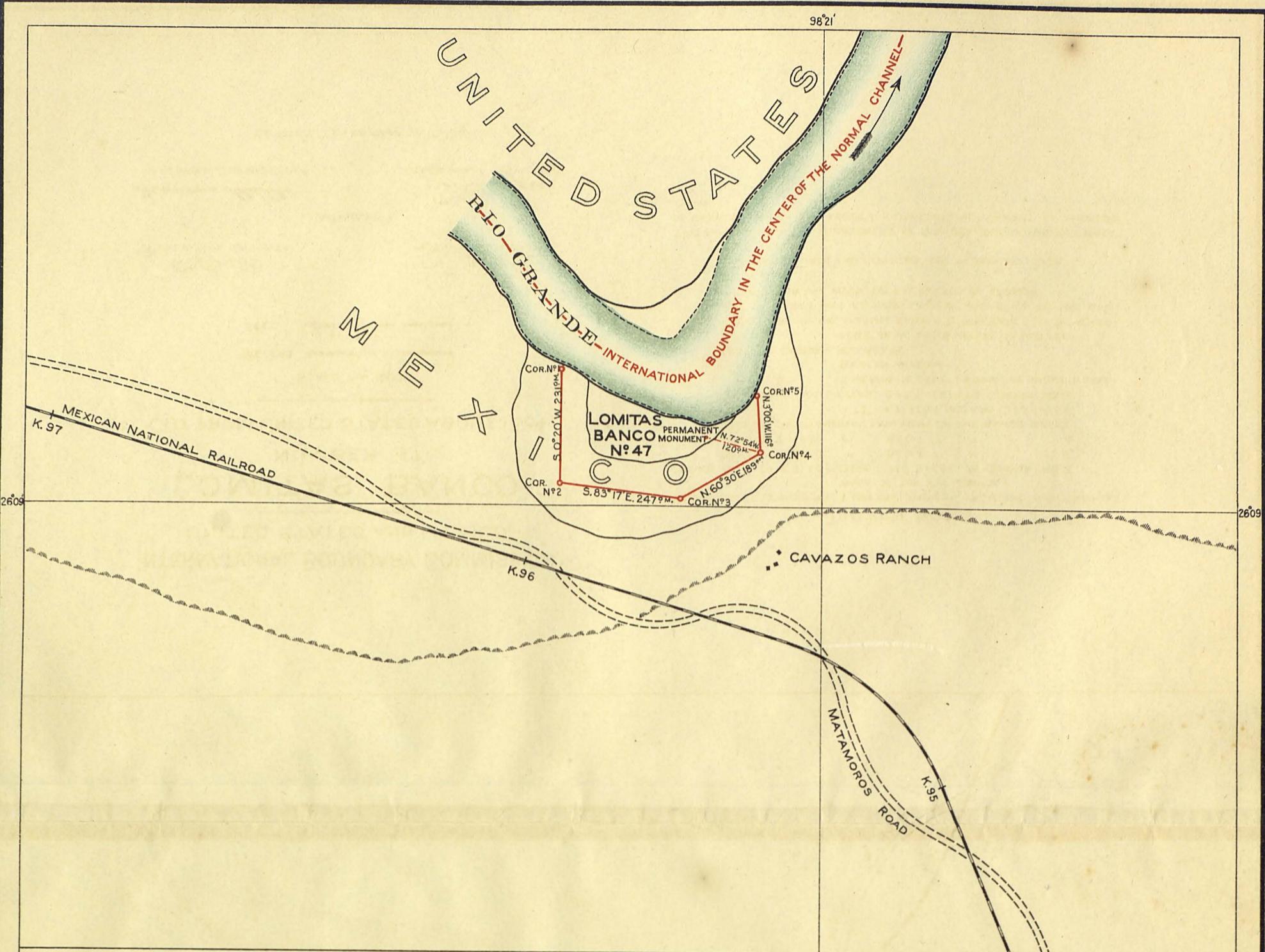
5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER.

WHENCE CORNER NO. 1 BEARS —  
S.64° 30'W. 346.7 METERS (1137.5 FEET).

CONTAINING TO THE NORMAL BANK, 22.6 HECTARES (55.8 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN HIDALGO, COUNTY, TEXAS, NORTHWEST OF LOMITAS RANCH,  
AND ABOUT 11 KILOMETERS NORTHWEST OF HIDALGO.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**LOMITAS BANCO**

NUMBER 47

CUT FROM UNITED STATES ABOUT 1884

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 500 1000

W.W. Follett  
CONSULTING ENGINEER

E. Payas.  
INGENIERO CONSULTOR

APPROVED

Aaron Miles  
AMERICAN COMMISSIONER

D. D. Payas  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 0° 20' W. 231.0 METERS (757.9 FEET) TO CORNER NO. 2,

" S. 83° 17' E. 247.0 " (810.4 " ) " " " 3,

" N. 60° 30' E. 189.0 " (620.1 " ) " " " 4,

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

N. 72° 5' 4" W. 120.0 METERS (393.7 FEET).

" N. 3° 00' W. 116.0 METERS (380.6 FEET) TO CORNER NO. 5,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS -

N. 82° 46' W. 405.6 METERS (1330.8 FEET).

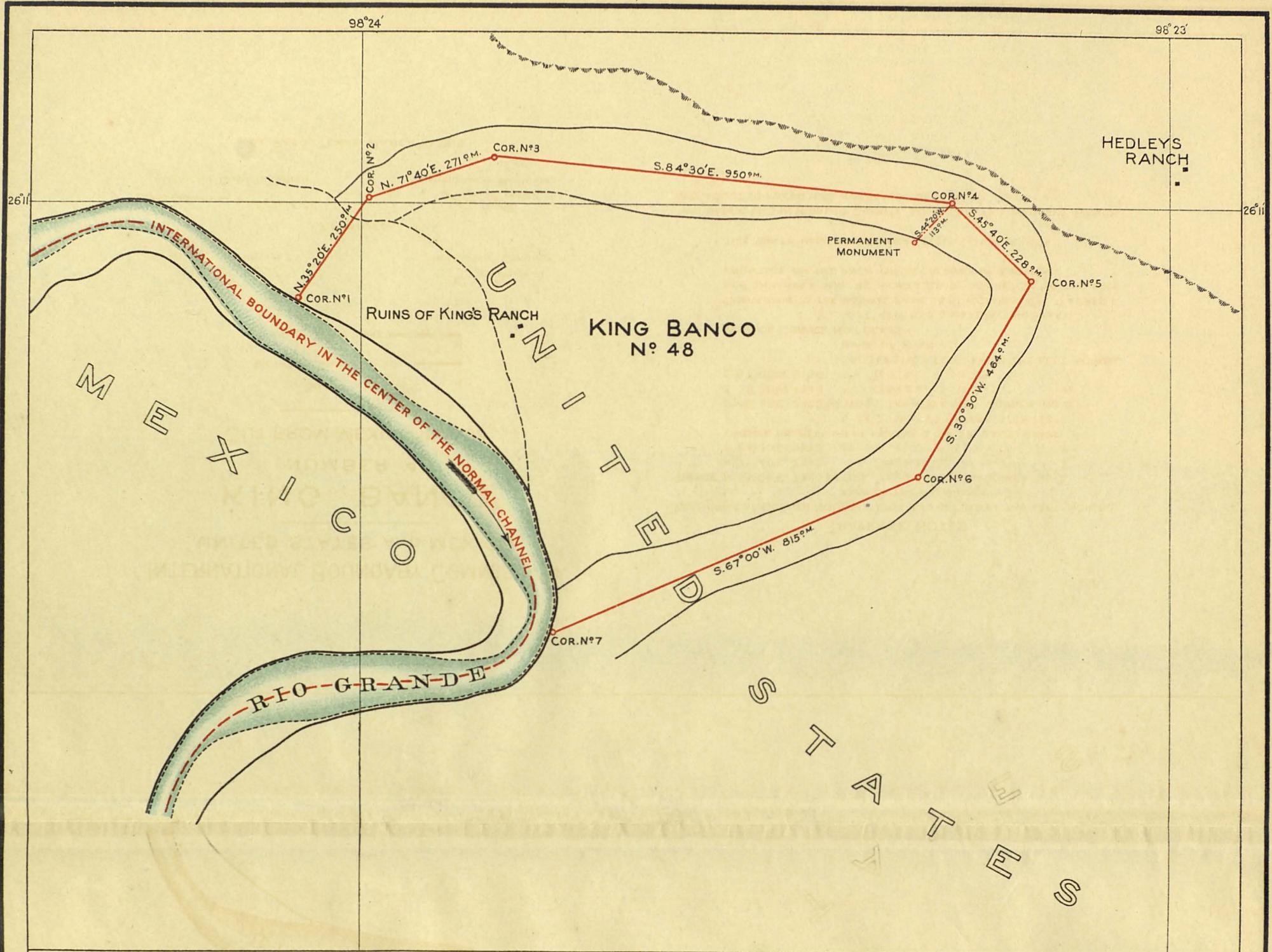
CONTAINING TO THE NORMAL BANK, 6.7 HECTARES (16.6 ACRES),

BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN

FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, NORTHWEST OF CAVAZOS RANCH, AND ABOUT 11 KILOMETERS NORTHWEST OF HIDALGO, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

KING BANCO  
NUMBER 48  
CUT FROM MEXICO IN 1869

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Gaynor*  
INGENIERO CONSULTOR

APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*F.J. Oya*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE :-

THENCE N. 35° 20'E. 2500 METERS ( 820.3 FEET ) TO CORNER NO. 2,  
" N. 71° 40'E. 271.0 " ( 889.2 " ) " " 3.  
" S. 84° 30'E. 950.0 " ( 3117.0 " ) " " 4:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 44° 20'W. 113.0 METERS (370.8 FEET).  
" S. 45° 40'E. 228.0 METERS ( 748.1 FEET ) TO CORNER NO. 5,  
" S. 30° 30'W. 464.0 " ( 1522.4 " ) " " 6,  
" S. 67° 00'W. 815.0 " ( 2674.0 " ) " " 7,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER :-

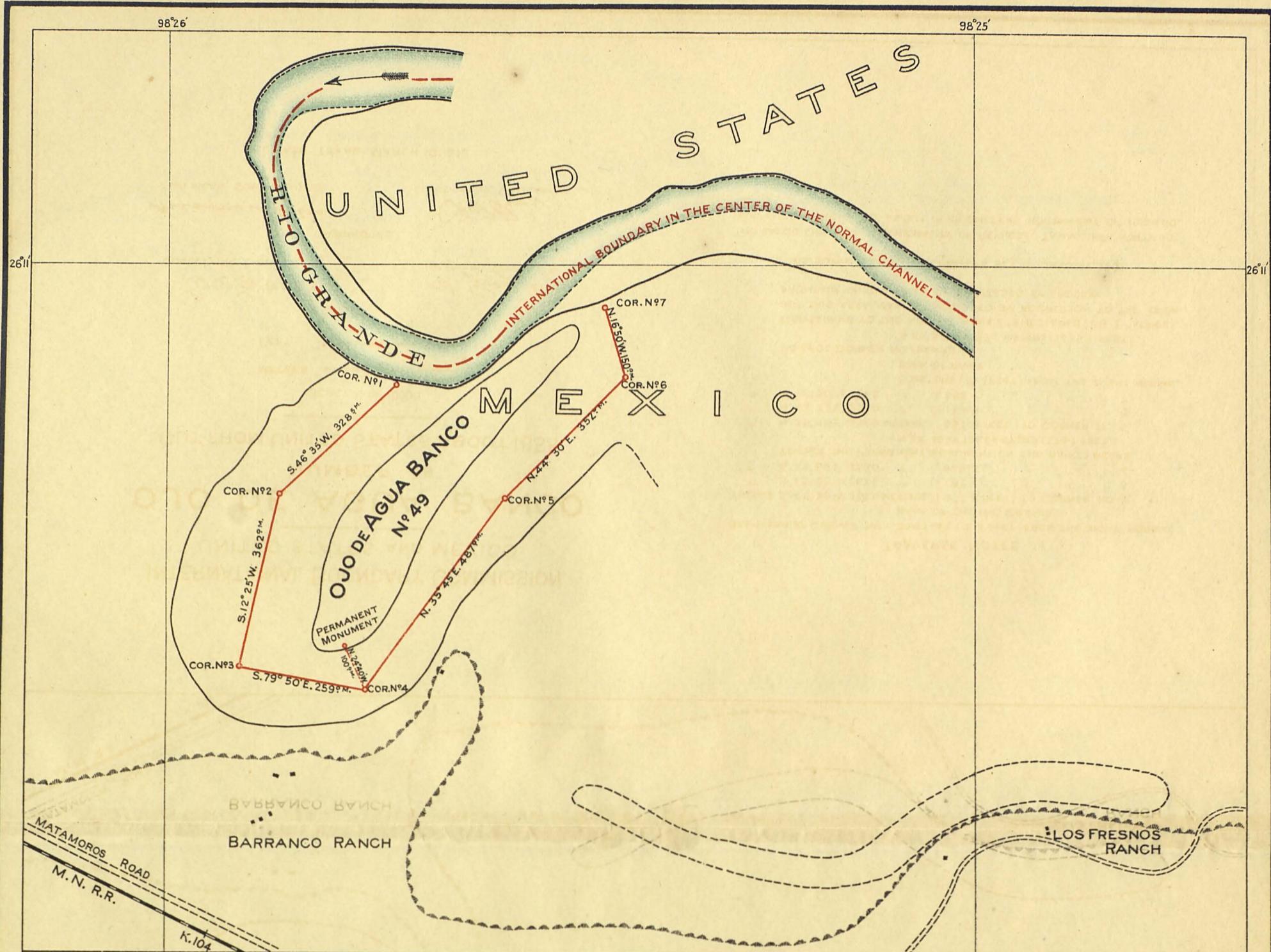
WHENCE CORNER NO. 1 BEARS -

N. 37° 41'W. 858.6 METERS (2816.9 FEET).

CONTAINING TO THE NORMAL BANK, 85.8 HECTARES (212.0 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, WEST OF HEDLEY'S RANCH,  
AND ABOUT 16 KILOMETERS NORTHWEST OF HIDALGO.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

OJO DE AGUA BANCO  
NUMBER 49  
CUT FROM UNITED STATES ABOUT 1855

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Payas.*  
INGENIERO CONSULTOR

APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*F.D. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS, MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 46° 35' W. 328.5 METERS (1077.8 FEET) TO CORNER NO. 2,  
" S. 12° 25' W. 362.0 " (1187.7 " ) " " " 3,

" S. 79° 50' E. 259.0 " (849.8 " ) " " " 4;

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

N. 24° 40' W. 100.0 METERS (328.1 FEET).

" N. 35° 45' E. 487.0 METERS (1597.8 FEET) TO CORNER NO. 5,

" N. 44° 30' E. 352.0 " (1154.9 " ) " " " 6,

" N. 16° 50' W. 150.0 " (492.2 " ) " " " 7,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER.

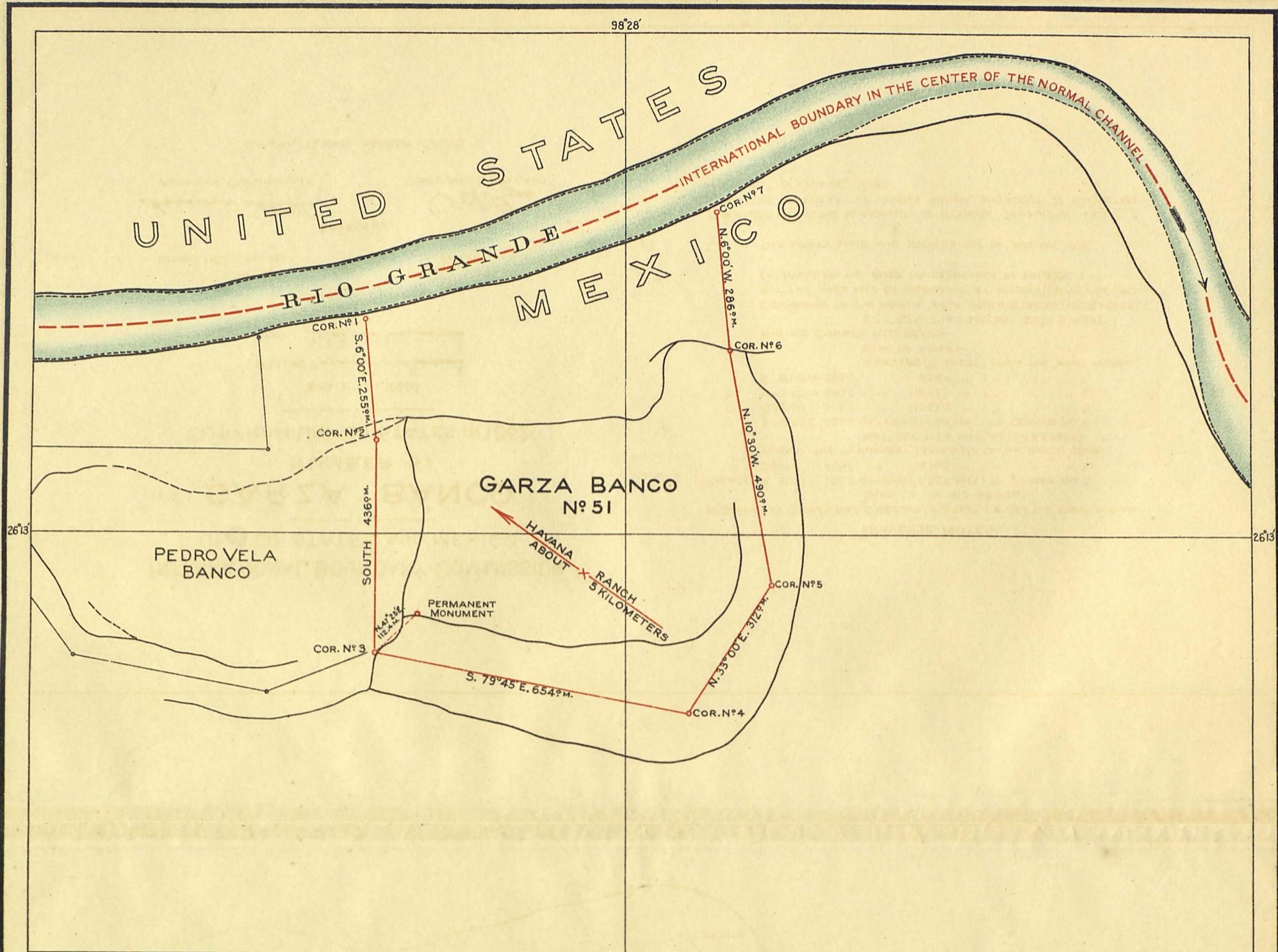
WHENCE CORNER NO. 1 BEARS -

S. 68° 50' W. 457.1 METERS (1499.7 FEET).

CONTAINING TO THE NORMAL BANK, 27.5 HECTARES (68.2 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, NORTH OF BARRANCO RANCH, AND ABOUT 18 KILOMETERS NORTHWEST OF HIDALGO, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**GARZA BANCO**

NUMBER 51

CUT FROM UNITED STATES IN 1862

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

W.W. Follett  
CONSULTING ENGINEER

E. Payao.  
INGENIERO CONSULTOR

APPROVED

A. C. Ellies  
AMERICAN COMMISSIONER

O. O. Payao  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

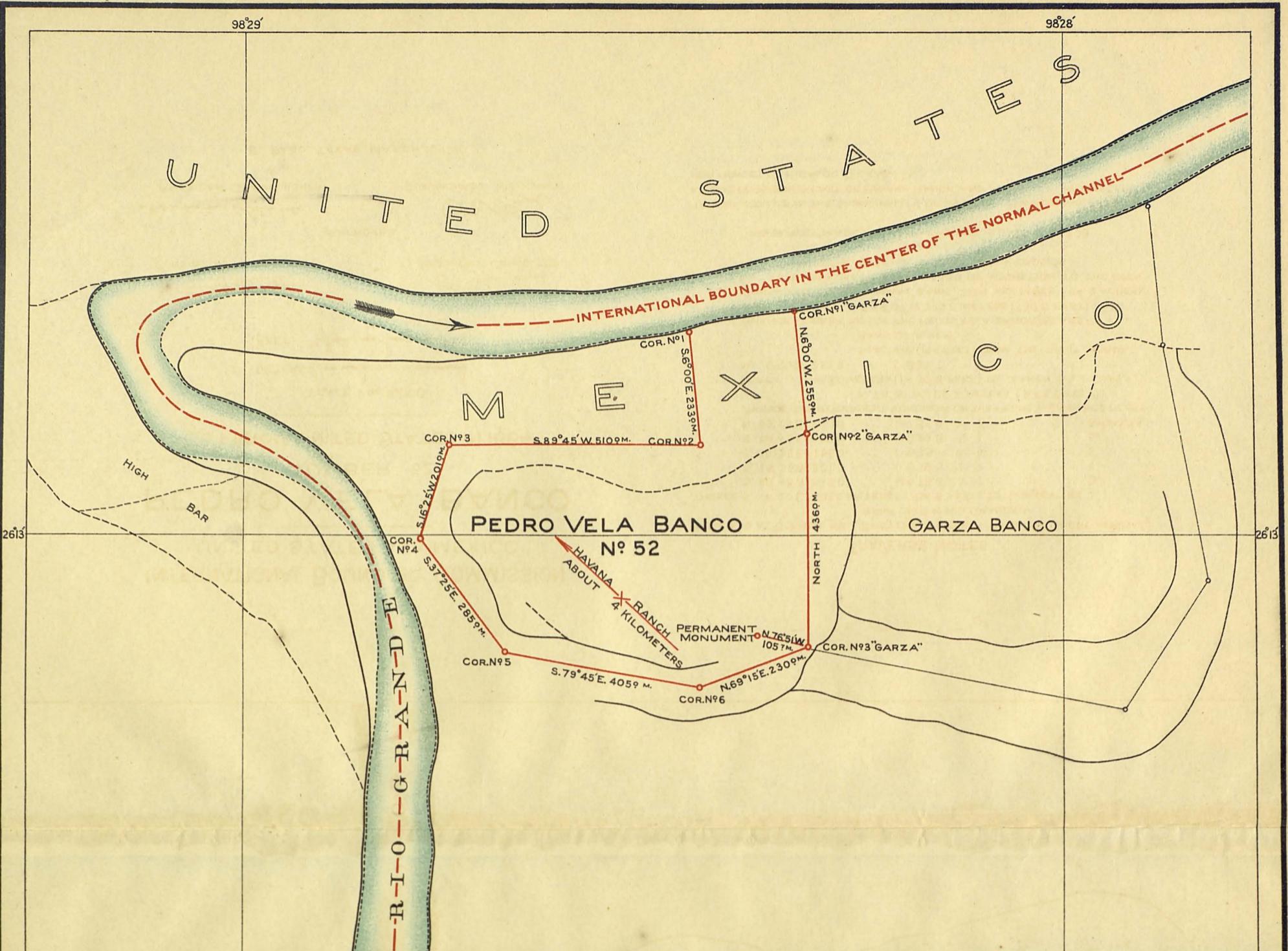
BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-  
THENCE S. 6°00' E. 255.0 METERS (836.7 FEET) TO CORNER NO. 2,  
" SOUTH 436.0 " (1430.5 " ) " " 3:-  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
N.47° 25'E. 112.4 METERS (368.8 FEET).  
" S. 79° 45' E. 654.0 METERS (2145.8 FEET) TO CORNER NO. 4,  
" N.33° 00' E. 312.0 " (1023.7 " ) " " 5,  
" N. 10° 30' W. 490.0 " (1607.6 " ) " " 6,  
" N. 6° 00' W. 286.0 " (938.4 " ) " " " 7,

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS-  
S.72° 53' W. 754.2 METERS (2474.5 FEET).  
CONTAINING TO THE NORMAL BANK, 65.0 HECTARES (160.6 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, ABOUT 5 KILOMETERS SOUTHEAST OF HAVANA RANCH, AND ABOUT 24 KILOMETERS NORTHWEST OF HIDALGO, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**PEDRO VELA BANCO**  
NUMBER 52  
CUT FROM UNITED STATES IN 1864

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 80 160 240

*W.W. Elliott*  
CONSULTING ENGINEER

*E. Payas*  
INGENIERO CONSULTOR

APPROVED

*Hudson Miles*  
AMERICAN COMMISSIONER

*F.J. Payas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-

THENCE S. 6°00'E. 233.0 METERS (764.5 FEET) TO CORNER NO. 2,  
" S. 89°45'W. 510.0 " (1673.3 " ) " " " 3,  
" S. 16°25'W. 201.0 " (659.5 " ) " " " 4,  
" S. 37°25'E. 285.0 " (935.1 " ) " " " 5,  
" S. 79°45'E. 405.0 " (1328.8 " ) " " " 6,  
" N. 69°15'E. 230.0 " (754.6 " ) " " " 3-GARZA:-

WHENCE THE PERMANENT MONUMENT ON THE PEDRO VELA BANCO BEARS  
N. 76°51'W. 105.7 METERS (346.8 FEET).

" NORTH 436.0 METERS (1430.5 FEET) TO CORNER NO. 2-GARZA,  
" N. 6°00'W. 255.0 " (836.7 " ) " " " 1 " ,  
5 METERS (16.4 FEET) FROM THE RIGHT NORMAL

BANK OF RIVER:-

WHENCE CORNER NO. 1 OF THE PEDRO VELA BANCO BEARS-  
S. 78°07'W. 222.5 METERS (730.0 FEET).  
CONTAINING TO THE NORMAL BANK, 38.4 HECTARES (94.9 ACRES).  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN  
FRONTEAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN THE MUNICIPALITY OF REYNOSA, TAMAULIPAS, ABOUT 4  
KILOMETERS SOUTHEAST OF HAVANA RANCH, AND ABOUT 25 KILOMETERS  
NORTHWEST OF HIDALGO, TEXAS.

### TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:-

THENCE N. 60° 45'E. 130.0 METERS (426.5 FEET) TO CORNER NO. 2,  
 " N. 29° 20'E. 722.0 " (2368.9 " ) " " 3,  
 " N. 68° 20'E. 333.0 " (1092.6 " ) " " 4,  
 " S. 48° 15'E. 352.0 " (1154.9 " ) " " 5,  
 WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
 S.31° 00'W.136.0 METERS(446.2 FEET).

" S. 3° 50'W. 224.0 METERS (734.9 FEET) TO CORNER NO. 6,  
 " S. 45° 55'W. 882.0 " (2893.8 " ) " " 7,  
 " S. 60° 45'W. 317.0 " (1040.1 " ) " " 8,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO. 1 BEARS-  
 N.15°32'W.426.0 METERS(1397.7 FEET).  
 CONTAINING TO THE NORMAL BANK, 61.4 HECTARES (151.7 ACRES), BUT  
 THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE  
 ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN HIDALGO COUNTY, TEXAS, ABOUT 1 KILOMETER SOUTH OF  
 HAVANA RANCH, AND ABOUT 28 KILOMETERS NORTHWEST OF HIDALGO.

### INTERNATIONAL BOUNDARY COMMISSION UNITED STATES AND MEXICO

### ANTONIO VELA BANCO NUMBER 53

CUT FROM MEXICO IN 1865

SCALE 1 IN 10000  
 METERS 0 200 400 600  
 FEET 0 200 400 600

*W.W. Elliott*  
CONSULTING ENGINEER

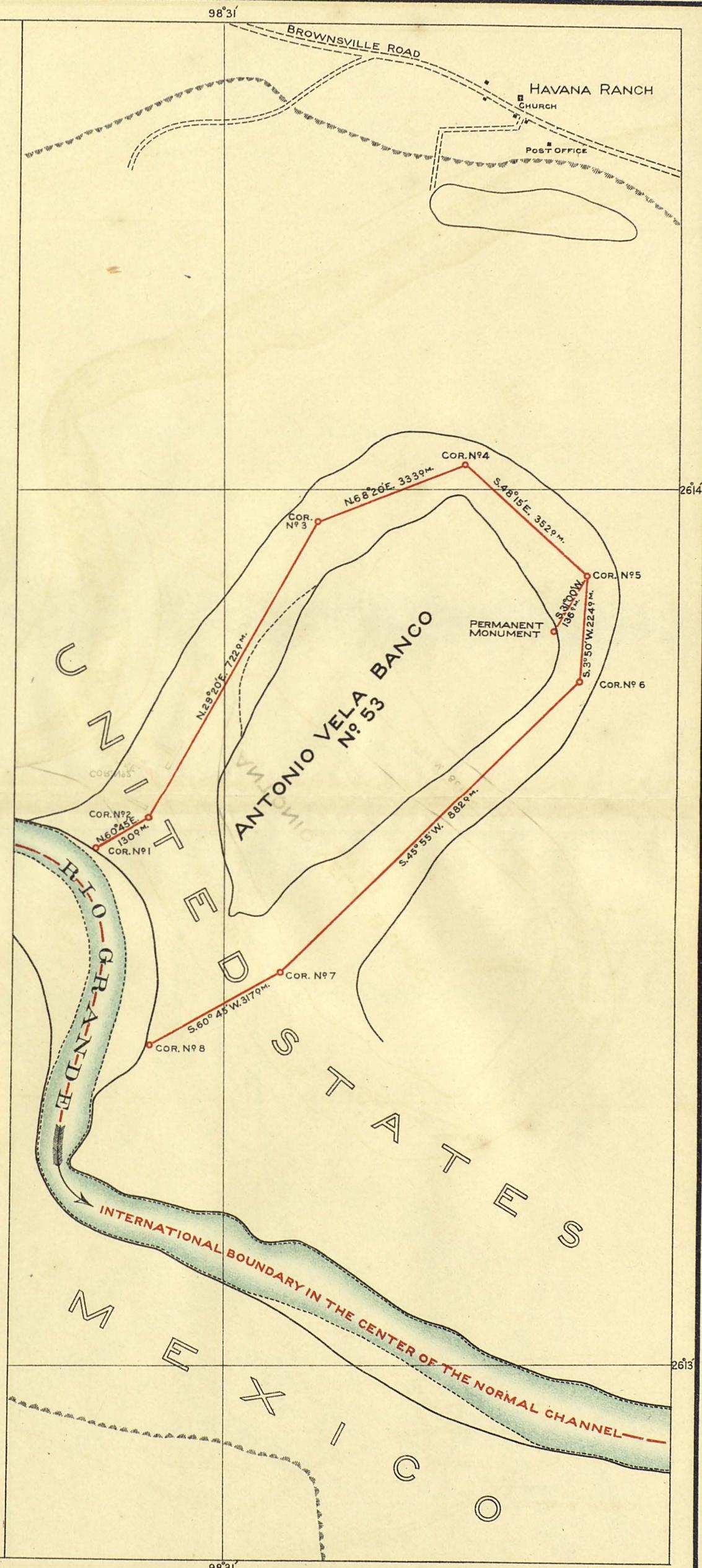
*E. Payar*  
INGENIERO CONSULTOR

APPROVED

*John Clegg*  
AMERICAN COMMISSIONER

*O.O. Payar*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.



### TRAVERSE NOTES

BEGINNING AT CORNER NO.1, IN THE CENTER OF THE OLD RIVER BED WHICH NOW FRONTS THIS BANCO:-

WHENCE A POST MARKED "CORNER NO.1" BEARS-

N.13°50'W. 78.0 METERS (255.9 FEET)

THENCE N. 13°50' W 294.0 METERS ( 964.6 FEET) TO CORNER NO. 2.

" N. 16°45' E. 602.1 " (1975.5 " ) " " 3.

" N. 1°59'W. 893.0 " (2929.9 " ) " " 4.

" N. 14°31' E. 414.0 " (13583. " ) " " 5.

" N.65°10' E. 246.0 " ( 807.1 " ) " " 6.

" S.37°20'E. 410.0 " (13452. " ) " " 7:-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
S.57°27'W. 97.3 METERS (319.2 FEET).

" S. 13° 10' E. 1164.0 METERS (3819.1 FEET) TO CORNER NO. 8.

" S.39° 10' W. 234.0 " ( 767.8 " ) " " 9.

" S.71°00'W. 338.0 " (1109.0 " ) " " 10.

" S.57°40'W. 332.0 " (1089.3 " ) " " 11.

" S.13°50'E. 256.0 " ( 839.9 " ) " " 12,

IN THE CENTER OF THE OLD RIVER BED:-

WHENCE A POST MARKED "CORNER NO.12" BEARS-

N.13°50'W. 91.0 METERS (298.6 FEET).

" S.70°06'W. 240.8 METERS ( 790.1 FEET) TO CORNER NO.1.

CONTAINING TO THE CENTER OF THE OLD RIVER BED, 122.5 HECTARES (302.7 ACRES), BUT THIS AREA MAY BE DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN JANUARY, 1909.

THIS BANCO LIES IN STARR COUNTY, TEXAS, SOUTH OF GARCIAS RANCH, AND ABOUT 14 KILOMETERS SOUTHEAST OF RIO GRANDE CITY.

INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

SANTO DOMINGO BANCO  
NUMBER 55  
CUT FROM MEXICO IN 1866

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

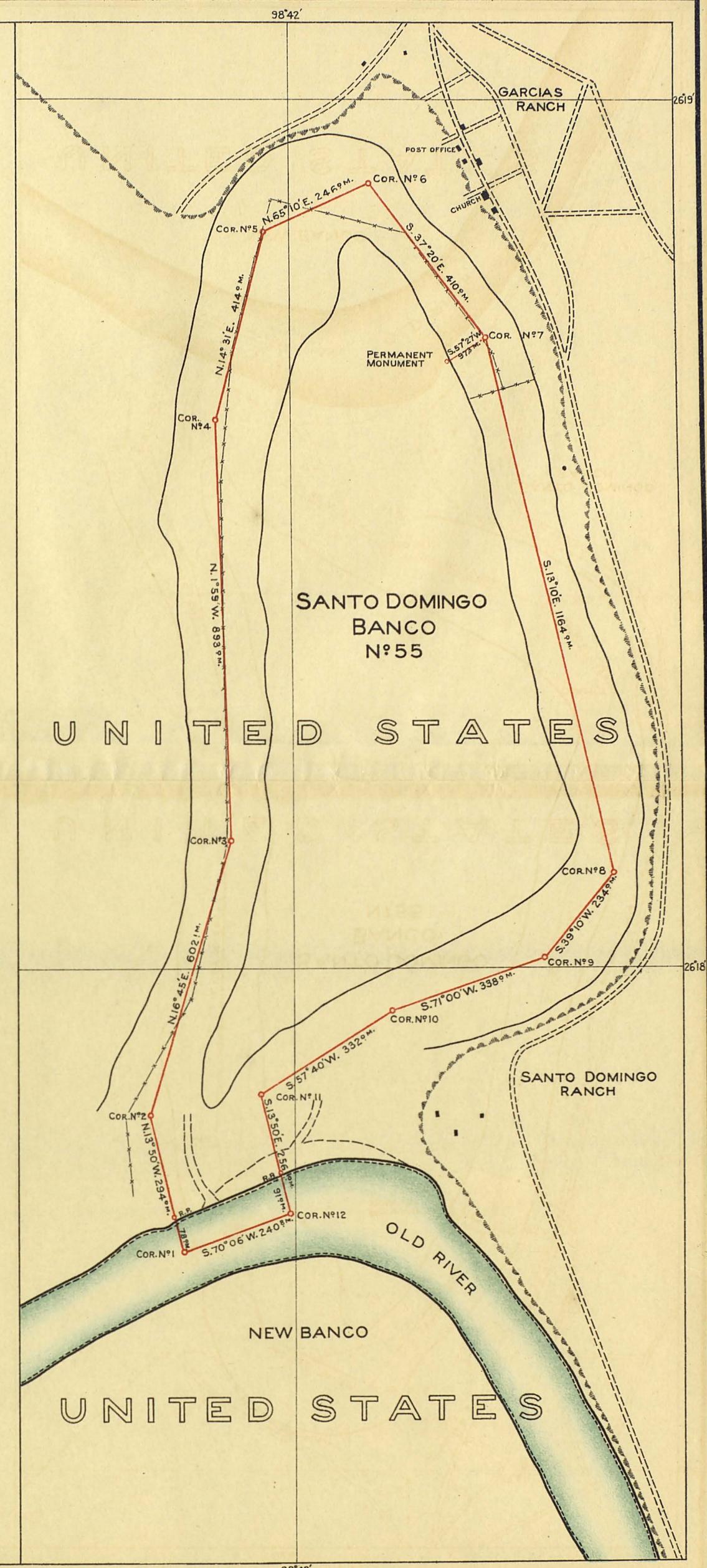
*E. Payas.*  
INGENIERO CONSULTOR

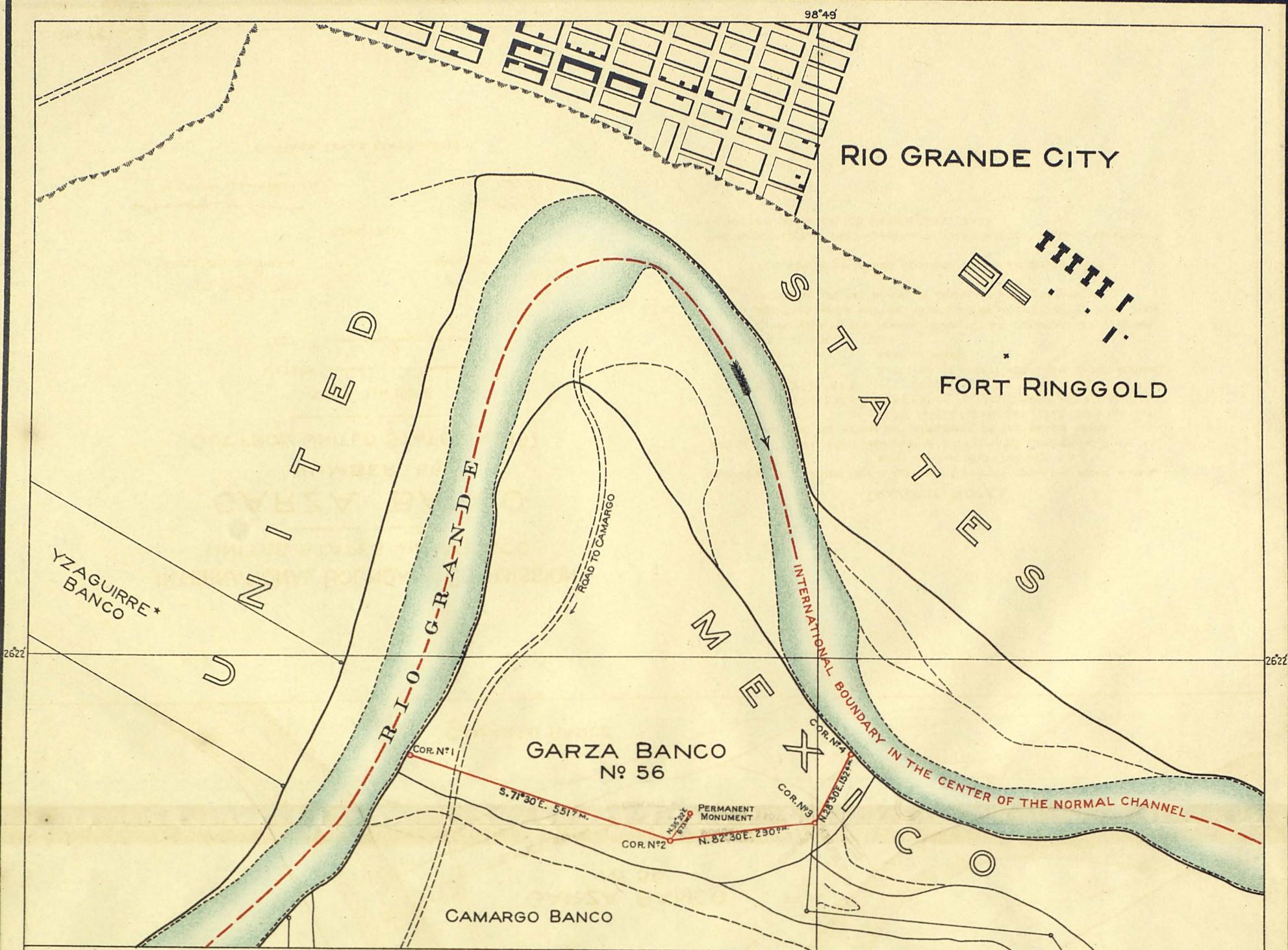
APPROVED

*Austin Miles*  
AMERICAN COMMISSIONER

*F.D. Olvera*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10, 1910.





INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**GARZA BANCO  
NUMBER 56**  
CUT FROM UNITED STATES IN 1897

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Rayas.*  
INGENIERO CONSULTOR

APPROVED

*A. S. Elliott*  
AMERICAN COMMISSIONER

*J. J. Rayas*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

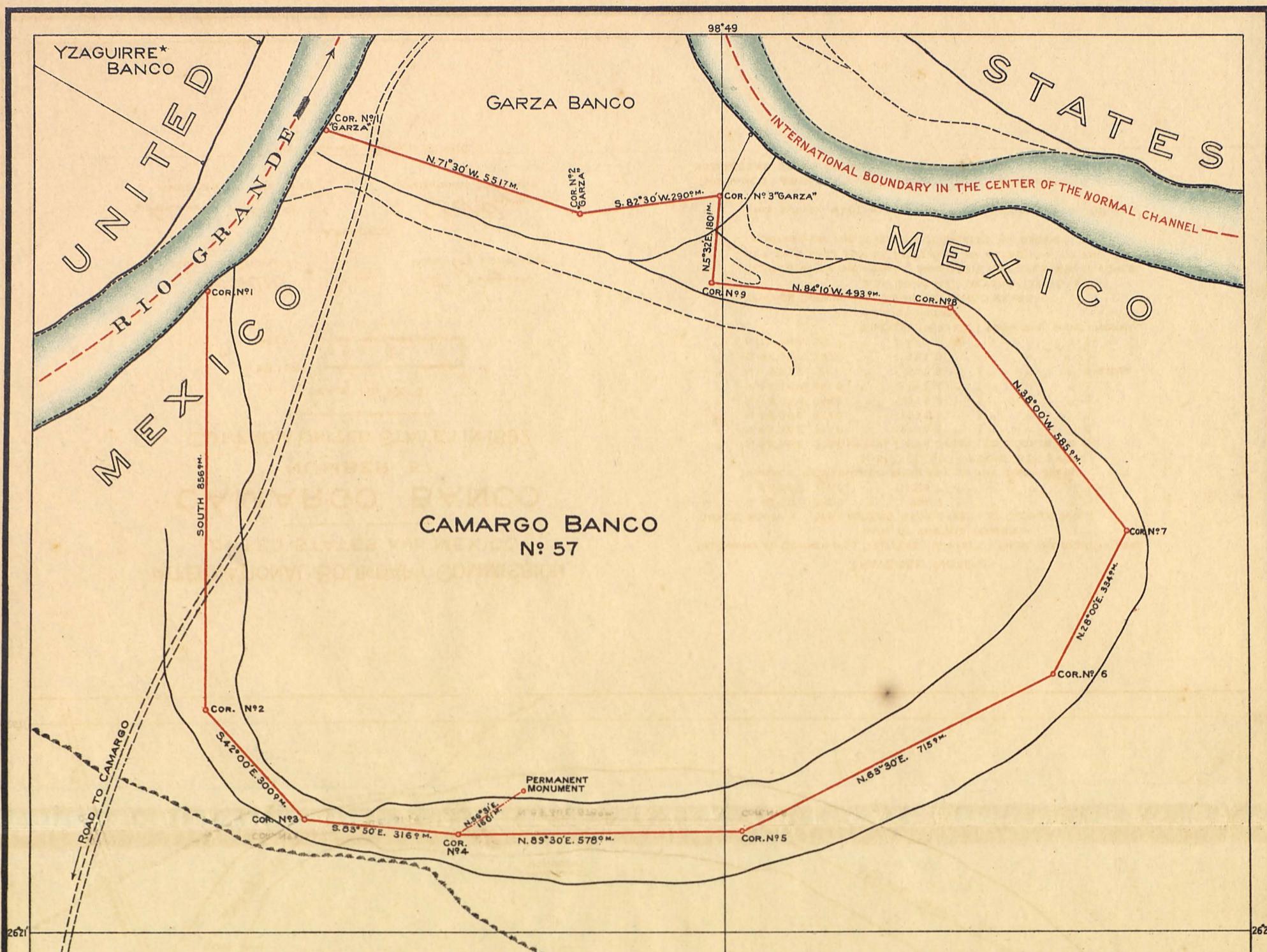
BEGINNING AT CORNER NO.1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE:-  
THENCE S. 71° 30'E. 551.7 METERS (1810.0 FEET) TO CORNER NO.2:-  
WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS  
N. 35° 22'E. 67.5 METERS (221.5 FEET).  
" N. 82° 30'E. 290.0 METERS (951.5 FEET) TO CORNER NO.3,  
" N. 28° 30'E. 152.6 " (500.7 " ) " " 4,  
5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER.

NO CLOSURE.

CONTAINING TO THE NORMAL BANK, 45.4 HECTARES (112.2 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN DECEMBER, 1908.

THIS BANCO LIES IN THE MUNICIPALITY OF CAMARGO, TAMAULIPAS, ABOUT 1 KILOMETER SOUTH OF RIO GRANDE CITY, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

CAMARGO BANCO  
NUMBER 57

CUT FROM UNITED STATES IN 1892

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 100 200 300

*W.W. Follett*  
CONSULTING ENGINEER

*E. Diaz*  
INGENIERO CONSULTOR

APPROVED

*Aaron Miles*  
AMERICAN COMMISSIONER

*O. O. Dyer*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO. 1, 5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF THE RIO GRANDE :-

THENCE SOUTH 856.0 METERS (2808.4 FEET) TO CORNER NO. 2,  
" S. 42° 0' 0"E. 300.0 " (984.2 " ) " " 3,  
" S. 83° 50'E. 316.0 " (1036.7 " ) " " 4-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

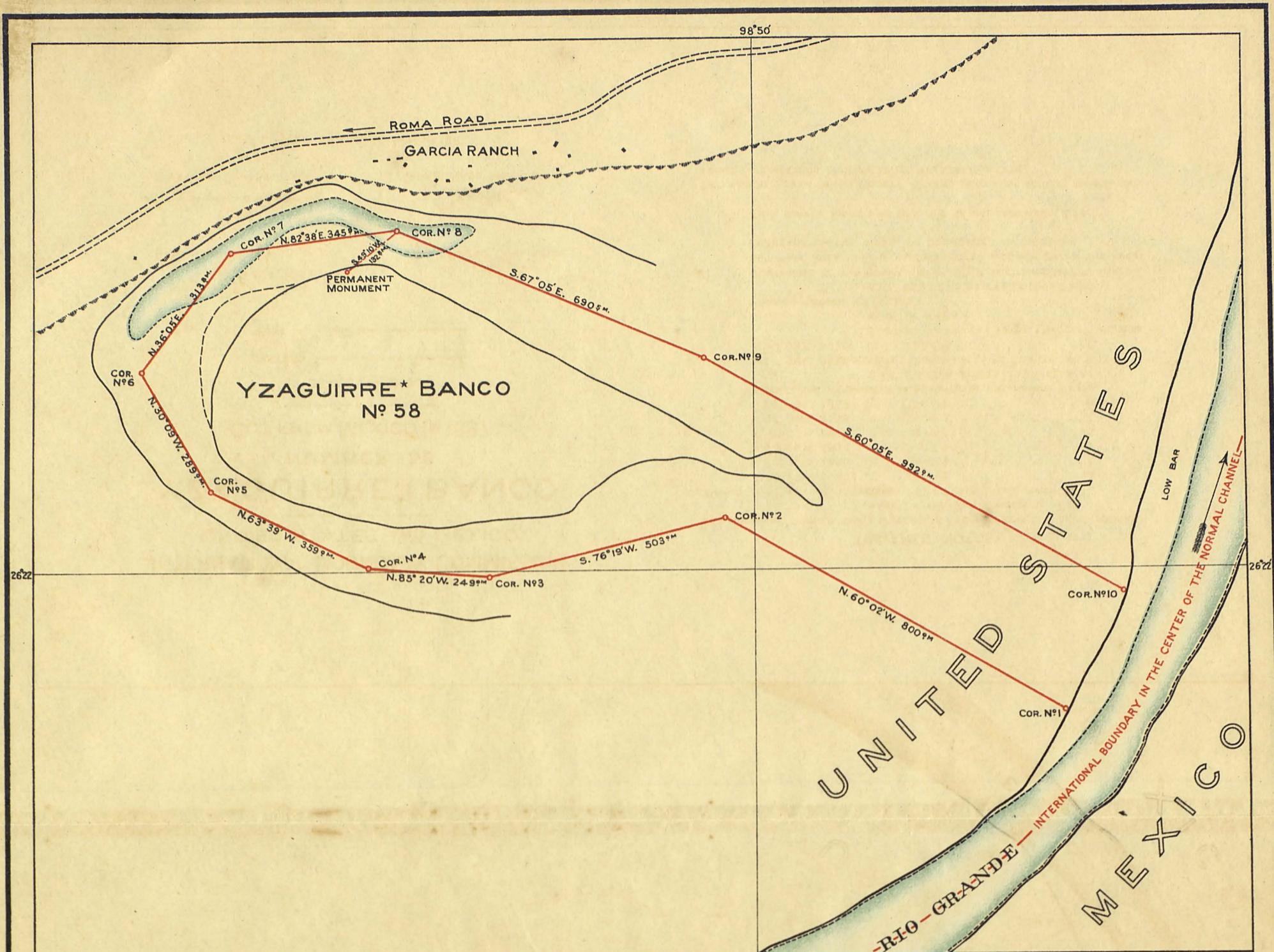
N. 56° 31'E. 160.1 METERS (525.3 FEET).  
" N. 89° 30'E. 578.0 METERS (1896.3 FEET) TO CORNER NO. 5,  
" N. 63° 30'E. 715.0 " (2345.8 " ) " " 6,  
" N. 28° 0' 0"E. 334.0 " (1095.7 " ) " " 7,  
" N. 38° 0' 0"W. 585.0 " (1919.3 " ) " " 8,  
" N. 84° 10'W. 493.0 " (1617.4 " ) " " 9,  
" N. 53° 2'E. 180.1 " (590.9 " ) " " 3-GARZA  
" S. 82° 30'W. 290.0 " (951.5 " ) " " 2- ",  
" N. 71° 30'W. 551.7 " (1810.0 " ) " " 1- ",

5 METERS (16.4 FEET) FROM THE RIGHT NORMAL BANK OF RIVER :-

WHENCE CORNER NO. 1 CAMARGO BANCO BEARS -  
S. 36° 20'W. 414.7 METERS (1360.5 FEET).  
CONTAINING TO THE NORMAL BANK, 199.9 HECTARES (494.0 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN DECEMBER, 1906.

THIS BANCO LIES IN THE MUNICIPALITY OF CAMARGO, TAMAULIPAS, ABOUT 2 KILOMETERS SOUTH OF RIO GRANDE CITY, TEXAS.



INTERNATIONAL BOUNDARY COMMISSION  
UNITED STATES AND MEXICO

**YZAGUIRRE\* BANCO  
NUMBER 58  
CUT FROM MEXICO IN 1897**

SCALE 1 IN 10000  
METERS 0 100 200 300  
FEET 0 200 500 1000

*W.W. Follett*  
CONSULTING ENGINEER

*E. Rayas.*  
INGENIERO CONSULTOR

APPROVED

*Aaron Miles*  
AMERICAN COMMISSIONER

*O.O. Paya*  
COMISIONADO MEXICANO

EL PASO, TEXAS. MARCH 10. 1910.

TRAVERSE NOTES

BEGINNING AT CORNER NO.1, 5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF THE RIO GRANDE:-

THENCE N. 6° 0' 02" W. 800.0 METERS (2624.7 FEET) TO CORNER NO. 2,  
" S. 76° 19' W. 503.0 " (1650.3 " ) " " " 3,  
" N. 85° 20' W. 249.0 " (816.9 " ) " " " 4,  
" N. 63° 39' W. 359.0 " (1177.8 " ) " " " 5,  
" N. 30° 09' W. 289.0 " (948.2 " ) " " " 6,  
" N. 36° 05' E. 313.8 " (1029.5 " ) " " " 7,  
" N. 82° 38' E. 3459 " (1134.9 " ) " " " 8-

WHENCE THE PERMANENT MONUMENT ON THE BANCO BEARS

S. 49° 10' W. 132.8 METERS (435.7 FEET),  
S. 67° 05' E. 690.5 METERS (2265.5 FEET) TO CORNER NO. 9,  
S. 60° 05' E. 992.0 " (3254.6 " ) " " " 10,

5 METERS (16.4 FEET) FROM THE LEFT NORMAL BANK OF RIVER:-

WHENCE CORNER NO.1 BEARS-  
S. 27° 26' W. 275.0 METERS (902.2 FEET),  
CONTAINING TO THE NORMAL BANK, 85.9 HECTARES (212.3 ACRES),  
BUT THIS AREA MAY BE INCREASED BY ACCRETION TO THE OPEN FRONTAGE ON THE RIVER, OR DECREASED BY EROSION.

THIS SURVEY MADE AND CORNERS SET IN DECEMBER, 1908.

THIS BANCO LIES IN STARR COUNTY, TEXAS, SOUTH OF GARCIA RANCH, AND  
ABOUT 2 KILOMETERS SOUTHWEST OF RIO GRANDE CITY.

J. C. Platt  
San Juan, Tx

JAMES P. WALSH  
1615 XANTHISMA  
MC ALLEN, TEX.  
78501

