

2-73

**BRAZOS OIL AND GAS COMPANY**

CITY NATIONAL BANK BUILDING  
HOUSTON, TEXAS

October 24, 1951

General Land Office  
Austin, Texas

Attention: Mr. Wm. Shirriffs

Subject: Tres Palacios Bay Survey

Dear Sir:

We wish to report that there must be an error in this survey.

A transit traverse was run from U.S.C. & G.S. triangulation station "Palacios South Base" to the 2" I.P. set in concrete at the western end of the State's Base Line. A true bearing and distance between these points was calculated from this traverse and found to be South  $67^{\circ} 41'$  East 3787.7 feet. This would make the coordinates for the west end of the base line  $X = 2,895,120.8$  and  $Y = 324,935.0$  using a theta angle equal  $1^{\circ} 21 \frac{3}{4}'$ .

The 2" I.P. set in concrete at the eastern end of the State's Base Line was found and tied to U.S.E. triangulation station "Mott". The true bearing and distance from "Mott" to the pipe was found to be North  $43^{\circ} 59 \frac{1}{2}'$  East 2310.8 feet. Calculated from this bearing and distance, using the above theta angle, the coordinates of the pipe set at the eastern end of the Base Line will be  $X = 2,899,886.5$  and  $Y = 320,712.4$ .

The above values are correct within the limits of accuracy expected from an ordinary engineering transit, because in addition to the transit traverses run on the ground, flags were erected on stations "Oliver Point", "Mott", each end of the Base Line, and the "Weather Mast" at Palacios, and the work was checked by triangulation.

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Mr. Wm. Shirriffs  
Oct. 24, 1951  
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Since the monuments set by the original locator were recovered and found in good condition, they were used in staking the well location and the coordinates assigned by the State were ignored in as much as they apparently have an approximate 200 foot mistake in their location with respect to triangulation station "Palacios South Base."

We hope that this information will be helpful to you and that you will advise us if you decide to change your map.

Very truly yours,

BRAZOS OIL AND GAS COMPANY

*W. H. Akkerman*

W. H. Akkerman

WHA:jls

cc: Mr. John E. Floyd  
Mr. Guy L. Nevill  
Mr. Vincent H. Buckley  
Engr. File (2)

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sk. File. #

See Letter from Brazos Oil & Gas Co.

Palacios S. Base

X = 2,891,583.72

Y = 326,289.55

$\theta = 1^{\circ} 21' 45''$

Brazos Oil & Gas Co.

Mr. Akkerman

Western Base.

2" I.P. Found

X = 2,895,120.8 Ft

Y = 324,935.0"

True Brq.  $54^{\circ} 2' 54' 17''$  W

(Grid Brq.  $5^{\circ} 41' 32' 32''$  W)

2087.11 Ft

2087.11

BAY

Old Brq. + Dist.  $547.06$  E  
2293.63 vs = 6371.19 Ft

731.56 vs.  
2087.11  
True Brq.  $547^{\circ} 05' 43''$  E  
(Grid Brq.)  $548^{\circ} 27' 28''$  E  
Corrected Brq. + Dist.

731.56 vs.  
2087.11  
6367.3

1700 Ft.

Eastern Base

2" I.P. Found

X = 2,899,886.5'

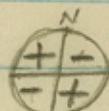
Y = 320,712.4'

(Coordinates for both I.P.'s  
Submitted by Mr. Akkerman.)

USCGS Mott.

X = 2,898,321.48'

Y = 319,012.16'



From True Brq. to Grid Brq.)

Calculations by  
Hale 11/1/51

counter 30825

FROM  
CALC D  
TRVERSE

Geod. Az.  $138^{\circ} 34' 38.6''$   
Back Az.  $318^{\circ} 34' 03.3''$   
(U.S. C. & G. S. Pub.)  
(Page # 64)

This is O.K. for Mr. Akkerman

9918 Ft. 3  
True Brq.  $54^{\circ} 1' 25.97''$  E

TRES-PALACIOS

True Brq.  $136^{\circ} 57' 12.7''$  E  
Corrected Brq. + dist.  
5674.1' E  
5674.1' E  
5674.1' E  
(old Brq. + dist.  $12912.7''$ )  
(22.370)

MATAGORDA SKETCH FILE No. 35

Letter of Correction in Coordinate  
Values in Tres Palacios Bay Survey  
Brazos Oil and Gas Company  
(Adopted) Oct. 24, 1951

counter 30826

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