



TRACT DICKINSON BAYOU #1 Pictures of Boyles & Crew 1935





Watterson Mostoffuar Diclemison Bayon apr25 1935 630

strind of stake to which fatterson #1 state located 20 nonth of edge of channel. Stanolind to stake under water 3.3' south Easter of channel and pointing to Patterson standing at Dickinson Bayou +/25/35

Dickinson Bay 5:30 PM 4/30/35 A.L. Selig standing at edge of bench marking salt grass - sweet grass line.





Whatteres-Mcotoffican

Dickinson Bayou april 25 1935







. now Hot D. M. to approx. 20 north of parition located in left foreground, Stanolind + State later toward H.D.R.Co. # A.3 Stewart. Eniew of marsh looking Dickinson Bayou H/25/35

At Sallerson 089 mestoffman Dickinson Bayou april 25 1835

State #1

STANOLIND OIL AND GAS COMPANY

712 MAIN STREET HOUSTON, TEXAS

> Re: State Lease #18948 Our File No. 16488 Tract #3 Dickinson Bayou Galveston County, Texas.

4934

Mr. J. H. Walker, Commissioner, General Land Office, Austin, Texas.

Dear Sir:

Attention: Mr. C. F. Blucher

We are pleased to furnish you with the attached topographic map based on Survey work done by Humble Oil and Refining Company and Stanolind Oil and Gas Company, in conjunction with Mr. J. S. Boyles as representative of the Land Office, covering Tract #3, Dickinson Bayou, Galveston County.

The elevations within the marshes furnished by the surveyors have been used as a basis for contouring on an interval of 0.2'.

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Yours very truly, STANOLIND OIL AND GAS COMPANY

JUL 1 71935

REFERRED TO MAP

counter + + # 17

ALS:TG Encl.

Showthe

SUN OIL COMPANY

JNO. G. PEW

SAN JACINTO LIFE BUILDING BEAUMONT, TEXAS

R. W. PACK

122



Mr. Alvis Vandygriff, Chief Clerk General Land Office Austin, Texas

Dear Mr. Vandygriff:-

In accordance with your request we hand you herewith attached one plat showing the location of Tracts No. 25, 26 and 27 of a General Land Office subdivision of offshore shore tracts in the vicinity of Caplen, Bolivar Peninsula, Galveston County, Texas. Also attached hereto the calculation notes for the above tracts along with a report and analysis of the manner in which we determined the position of said tracts.

From the accompanying plat it will be noted where Tract No. 25 is conflicting with Tract No. 153 of another subdivision of the General Land Office dated August 1947, and Tract No. 27 is in conflict also with Tracts No. 145, Tract No. 150 and Tract No. 163 of this same subdivision. This will confirm our telephone conversation to you of August 3, 1947.

In addition to the above data we also attach hereto three plats along with calculation notes and a separate report showing the location of Tracts No. 128, Tract No. 130, Tract No. 146, Tract No. 180, Tract No. 181 and Tract No. 182 of another General Land Office subdivision of offshore tracts off Matagorda Peninsula, Matagorda County, Texas.

From the above accompanying three plats it will be noted that Tracts No. 128 and Tract No. 130 conflict with Tract No. 406. There is a small conflict of Tract No. 146 with Tract No. 405, but no conflict of Tract No. 180 with Tract No. 338.

We trust that the foregoing data will furnish you with desired information and that the delay in getting this data to you has not in any way inconvenienced you.

Yours very truly,

SUN OIL COMPANY lexander

DLA/mp Attachment

La

counter # # 818



1 D-859 GALVESTON Co RLD. SK. Nº14 Flat Folder + 66 1 M - 22 LEIEE M - 92-E190E ME-52 counter ++ 819



GALVESTON CO. ROLL SK. # 14 - FLAT FOLDER -

OFFSHORE SUBMERGED TRACTS

26	M. L.	33137
27	M. L.	19974

Leased to SUN OIL CO. Maps, Computations and XY Coordinates Date: Nov.19, 1947 & Oct. 16, 1950

counter +4821

RECEIVED

NOV 19 1947

counter 44822

GENERAL LAND OFFICE TEXAS OFFSHORE TRACTS - CAPLEN AREA, BOLIVAR PENINSULA, GALVESTON COUNTY, TEXAS

PURPOSE: The purpose of the accompanying analysis was to demonstrate any possible conflict between the offshore tracts as offered for lease on the subdivision published in August 1947 by the Texas General Land Office and leases currently held by the Sun Oil Company. The problem resolves itself into locating the position of the tracts now under lease on the Texas State Grid System and comparing such location with the tracts in the subdivision as published in August 1947, also specified by lines on the Texas State Grid System.

METHOD: Had the other subdivision, on which leases are currently held, been specified on the Lambert Grid, the problem here would be simple and straight forward. However, the points and distances given as a basis for subdivision were geodetically stated. Hence, the accompanying computations, while in terms of the Lambert Projection, are computations along Geodetic lines.

In laying out the positions of the boundary lines perpendicular to the shore lines, a basic assumption had to be made. The NE corner of Tract No. 8 was specified, as was the NE boundary line. Other lines were stated to be parallel to the NE boundary of Tract No. 8 and spaced on half-mile intervals. There was no statement describing the line along which the spacing was to be measured. It should be pointed out that the ultimate location of the tract boundaries in both position and azimuth will depend upon the line chosen along which the tract spacing is made. This follows because two non-identical lines, both perpendicular to the NE boundary of Tract No. 8 will no where else remain parallel, but will converge increasingly as the distance from this boundary is increased. Thus different lines taken, along which to subdivide, will produce distintly different tract boundaries. This fact was overlooked in the Texas General Land Office specification of the tract boundaries.

In the accompanying computations of tract boundaries, it was assumed that the line along which subdivision was to be measured passed through the specified NE corner of Tract No. 8, and ran perpendicular to the specified NE boundary of Tract No. 8. Also it was assumed that this line was a geodetically "straight" line, and so used in the computations. Should this line be accepted as the logical subdivision line (assumed here), the described boundaries may be assumed correct. If, however, any other line is chosen, the precise location may then be questioned. In any event, the result should not differ greatly from that derived here. A location of the subdivision origin is shown on a sketch, page 1, along with miscellaneous computations. The first step was to establish the "mapping angle" at Parr's Grove, which is the angle between true and grid north. The computation of this angle is made on page 2.

The next step is to convert the lengths specified by the General Land Office into lengths on the grid. The specified lengths are geodetic lengths and must be converted into grid lengths by the use of scale factors. Because of the long length between the NE corner of Tract No. 8 and the NE corner of Tract No. 25 considerable error would be introduced by the omission of this scale correction. The scale corrections are factors applied as corrections to logarithms and are obtained from the State Grid Projection Tables. The computation of scale factors to be applied to various lengths was made on Page 3. The particular scale factor used in each case is noted on the coordinate computations, pages 5, 11 and 12.

The condition of parallelism between tract boundaries cannot literally be met, because all geodetic lines converge. The nearest condition obtainable is to say that all tract boundaries must be perpendicular to a single line along which subdivision is to be made. This subdivision line, as stated above, was arbitrarily taken through the specified NE corner of Tract No. 8 and normal to the NE boundary of Tract No. 8. This arbitrary "subdivision line" is a geodetic line by implication. To convert it to a line on the projection grid, it was necessary to compute a correction to the azimuth. This necessity arises because a geodetic line is a curved line on the grid. Over short distances this would produce a negligible error. Over the eight to ten miles involved in this problem, the resulting difference in position becomes significant. This azimuth correction computation is made on page 4.

With the modifications discussed just above, the coordinates of points were computed in a conventional manner. The points determined along the "subdivision line" were designated tract corners. It must be understood that these are not true corners, which are, in fact, on the shore line. These points, however, may be precisely described, which the shore line cannot. These socalled corners are merely points on the tract boundaries along a line of subdivision. The true corners are obtained by projection of the boundaries across the shore line.

The next step in the computations was to establish an approximate position of the shore line. This was accomplished by resetting a survey made by Sun Oil Company into coordinates on the State Grid. This survey was made on a plane coordinate system with origin at triangulation Station "Red Bluff" and based on the Red Bluff Merridian. An azimuth was obtained in this system between Triangulation Stations "Slipper" and "Shell". A comparison of this azimuth and the State Grid azimuth between these stations gave a conversion angle to place all azimuths in this survey on the grid. Scale factors were applied and coordinates were computed of pertinent points in this survey. This provided coordinates of the corners of Tracts No. 26 and No. 27 as actually surveyed and established a shore line. A sketch of the used portion of this survey is shown on page 7. The usual computations follow. In the coordinate list, the tract covers as established by this survey are designated "Sun)".

Beginning on page 13 are computations of the coordinates of intersections of the tract boundaries with other lines of importance.

The above computations are plotted on the accompanying map. Points not pertinent to the purpose of this analysis were omitted as superflous.

Dow J. Lovett

counter + + 827 .

FINAL COORDINATES

100

_ Survey Offshore Tract	Coord. Zone Sou C	Sent, Date
County	State Trexa s	Prospect
Station	X	Y
A Paris Grove	3, 372, 607, 89	605,06.8,38
A Slipper	3, 408, 472, 03	643, 846,54
A shell	3,423,419,57	648,028.25
Corners as com	puted along a line.	through the
NE Corner of Ti	act 8 - Asper skete	h, Page li
N.E. Corner Tr. 8	3,372,687,77	602,903.48
NE Cot. Tr. 24	3,407, 655.04	626,589.55
NE. Cor. Tr. 25	3,409, 840.50	62.8,069,92
NE. Con Tr. 26	3, 412, 025, 96	629,550,29
NE Cor. Tr 27	3,414,211,42	631,030.66
	17 Thacts, as locat	
survey, on the	share line - as p	er sketch, page. Z
Monument	3, 407, 881.11	643,081,51
Corner,	3, 415, 478.03	628,283,87
	3, 415, 611.69	628,023,51
	3, 413, 801.63	626, 796, 94
<u>"B"</u>	3, H13, 678.63	626.978.53
<u>"4</u> "	3, 411, 492.89	625, 498,18
"D"	3, 415, 986, 36	628,277.29
NE Cor. Tr. 27 (Sun)		627,745.84
NE lor Tr. 26 (Sun)		626,545.90
NE (or. Tr. 25 (Sun)	3,411,569.68	625,364.82
ļ,	J	

Gulf Tracts - Subdivision Scheme,



N Azimuth, Parr's Grove To NE Con Trac t No8 = 180:00 00 Lambert Grid Mapping Angle = (2)2° 06' 46".8 Grid Azimuth =177° 53' 13".2

Dist. Parr's Grove to N.E. Cor, Trac. + No.8, 780 Var. Factor to feet. X. 2.97778 Dist. in Feet. = 2166.67'

Grid Az Trackt Bound. 145° 53 18,2 - 90° Grid Az Subdivisión Line 55° 53' 13,2

X No. Tracts 8 to 25 NE Con Tr. 8 TO NE. Cor. Tr. 25

PLANE COORDINATES ON LAMBERT PROJECTION & GEODETIC POSITION FROM LAMBERT COORDINATES

-

Survey State Tract		. Zong Texas Sout	
Stato Texas	Count	y Galveston	Prosp
Station: A Farr's	the second se	liver Peninsula, Galvest	en Cen Ter
<u>X</u>	3 372 607:89		37, 807, 440,38
	2,000,000.00	Y (-)	605,068.38
Y'	1, 372, 607,89	R!	37 202,372,00
		Tan 0	0,0368957089
θ (min of θ)	2° 06' 40"	Tan Θ (min of Θ)	0,0368625230
<u>θ (sec of θ)</u>	6.8358	Diff.(sec of 0)	0,0000331859
	2. 06' 46, 8358		
θ (min of λ)	2'06' 23, 8477	λ (min of λ)	94° 42'
Diff. (sec of >)	22. 9881	λ (sec of λ) (-)	
			94°41' 13,"0771
Corr.1/2Tan 8 (')	- 61587	1/2 Tan 9	0,0184478545
Corr.1/2Tan 0 (")		Correc. (-)	
Total correc.	- 62739	Tan $\theta/2$	0.0184415806
v	605,068,38	- 1011 O/ C	
Υ"(X'Tan θ/2) (-)	25,313,06		
Y!	579.755.3.2		
Y'(min.of Ø) (-)	575.682.66	d Inin at di	29° 25'
$Y'(sec. of \emptyset)$	4,072,66	Ø (min.of Ø)	40, 3240
	7,072,00		29 25 40, 3240 .
	· · · · · · · · · · · · · · · · · · ·	<u>и</u> /	N/ Nº 40,000
R(for min.of Ø)		Y' (for min.of Ø)	
Cor.for sec.of 9(-)		Cor.for sec of (-)	
R		Y'	
		$Y''(=2Rsin \frac{9}{7})$ (+)	
$\Theta($ for min of $>$ $)$	2"06' 53,2424	Y	
Cor.for sec of X(-	6. H06G		
$\theta \longrightarrow$	2006' 46! 8358	/	
θ ¹¹			
M(for 10"		K(for 10")	
Cor.for frac. (-)		Cor.for frac.(+)	
M		<u> </u>	
ain 0/011-1		2 sin 🖁 (0"K)	
$\frac{\sin \Theta(\Theta^{"}M)}{V!}$		2R sin 3	Place results
<u>X' (R sin,θ)</u>	2,000,000.00	<u> 20. 3111 5</u>	above
v	2,000,000.00		
<u>x</u>			
			94 41' 13,0771
	de (\$)29°25' 40."32.	40 T-20024.020 (2)	

For mapping angle at & Parris Grove.

Log factors for conversion of measured distance into grid distance on the Lambert Grid-Tex. Son. Cent. Zone (Units in seventh place logs)

Scale Factor at & Parr's Brove = -587 Scale Factor at & Caplen. = -576 Sum = -1163 +2

Factor To apply between AParis Grove & A Caplen, -5

Scale Factor at a Capter = -576 Scale Factor at. A Blipper = -568 Bum = -1144 Factor To apply between & Cayter & A Slipper = -572

 $\Delta Parr's Grove Lat = 29° 25' 40", 3240$ $\Delta Caplen Lat = 29° 29' 46", 5595$ $\Delta Slippen Lat = 29° 31' 50, 730$ Connection To Grid Azimuth. On line from NECor. Tr. No.8 To NECon Tr. No.25 Taken along subdivision line.) Nominal Azimuth = 55°53' 13."2

$\Delta \chi$		
	1. Lee Now A.	4.6520528 9.7478948
AX = 37194.20		
	AY' 2	
		3

 $(Y-Y_0) = + 56,972,38$ $\Delta Y/3 = + 8371,94$ $\Xi - 65,344.24$

L'092 "	4,8152.057
Log AX =	4,57047,52
	0,3735671
	+0.57" ~+0.6"

Nominal Azimuth = 55°53'13,2 Connect = + 0,6 Connected Grid Az. = 55°53'13'8 (NECon. Tr. No 8 To NECon. Tr. No 25)

= + 235° 53' 14".4

Notes Using the same correction for obtaining the back azimuth is not quite exact. However since this azimuth is to be used only tocally, involving no great distances, further refinement would not be of practical utility. (4

STANDARD B & P" Nothar"



Name T	raversestate	Trac ts: Balivar f) en.	County Balves	Ten State Tex	Р	rosp. Date	
Sta.	Brng.	ΔX	Adj	X	ΔY	Adj	Y	٤x
A Bre's Grue	179°53'13,"2 3 2°06'46"8 ^E 2166.67'	L. Ast. 8.3359927 Scale failer 587 3.3357340 1.516 8.5666983 1.9024123		8,372,607,89 (+) 79,88	3,8857927 -587 3,3357840 4,05, 9,9997046 3,3354386		605,068.88 (-) 2,164.90	scale factor at a Parvis. Grove
NE Cor. Indit. No8	55°53' 13."8 N.,E 55°53' 13.8	+ 79,875 4,6520528 581 4,6519947 9,9179961 4,5699908		3,372,687.77 H) 37 152 93	-2164,902 4,6520528. -581 4,6519947 9,7488290 4.4008219		602,903,48 (+) 25,166,44	scale factor at Ptibetween a farts Brove and a Capten
N.E.Cor Trackt No.25	44880,00 55° 5 3'14.'4 N 55°53' 14 ¹⁴ ^E	(+) 37,152.73 3,4216039 -579 3,4215460 9,9179.769 3,3395429		3,409,840,50 (4) 2,18546	(4) 25166.44 8.4216039 529 3.4215460 9,7488252 3.1703712		628,069.92	scale factor at NE. Cor, Tracket No 25
N.E. GA TheodyTNo 26	2640.0' 55°53' 14'4 N 55°53' 14'4	B 2185.46 ditto from above		3,412,025.96 (+ 2,185,46	(1): 1480.374 ditto from above		629;550.29 (+): 1480.39	- <u>εγ</u>
N.E.Cor TrackT No.29	2640.0			3,41 4 ,211,42			631,030,66	-
N.E.Cori Trackt No.25	235° 53' 14.4 9 55° 53' 14.4	ditto from above		3, 409, 840,50 () 2, 185.46	ditte from above.		628,069,92 () 1480,39	
N.E. Cor Trackt No. 24	2640.0"	€ 2185.46		3,407,655.04	(+) <u>1480,37</u>		626,589.55	

orners on Subdivision Line

6

STANDAR

Geodetic	Position From La	mbert Coordinates						
Survey Capten Coord. Zone Tex. Sou. Cent.								
State Texas	Count	J Galveston 1	Prosp.					
Station: NE Gr. Tr.	25 (Preliminary	for correct scale	factors					
Χ	3,409877.00	<u>R (Y=O)</u>	37. 807 440,38					
(-)	2,000,000.00	Y	628 015,85					
X'	1,409,877,07	R'	37,179.4.24.53					
		Tan Ə	0,0379208954					
Θ (min of Θ).	2° 10' 10"	Tan 0 (min of 0)	010378820538					
θ (sec of θ)	8,0002	Diff. (sec of Θ)	0,0000388416					
0	20 101 18:0002							
Θ (min of λ)	20 09 49:6110	$(\min \text{ of } \lambda)$	940 351					
Diff (sec of λ)	28,3892	(sec of A) (-)	57,9475					
		λ	94° 34 02.0525					
Corr. 1/2Tan A(!)		1/2 Tan 0	0,0189604477					
Corr.1/2 Tan @("	- 469	Correc. (-)	the second se					
Total Correc.	- 68113	Tan 9/2	0,0189536364					
<u>Y</u>	628,015,85							
Y"(X'Tan 9/2) (-	26,722,30							
Y'	601,293.55							
Y' (min. of \emptyset) (-	and the second	\emptyset (min. of \emptyset)	29°29' 7					
Y' (sec.of Ø)	1,371.17	Ø. (sec. of Ø)	13."5760					
		ø	29029' 13."5760					
Station:								
X		R (Y=0)						
(-)		v						
X'	the second se	RI						
	the second s	Tan A						
Θ (min. of Θ)		Tan Θ (min. of Θ)						
Θ (sec. of Θ)		Diff. (sec. of 0						
θ								
Θ (min. of λ)		$(\min, of \lambda)$						
Diff. (sec. of)		(sec. of λ) (-)						
Corr. 1/2Tan 0 (!		1/2 Tan A						
Corr. 1/2Tan 0 ("		Correc. (-)						
Fotal Correc.		Tan 9/2						
Y								
Y" (XITan 4/2) (-)								
<u> </u>								
V! (min. of Ø)(-		Ø (min. of Ø)						
Y'. (sec. of Ø)		Ø (sec. of Ø)						
		d						
		And the second s						

Azimuths and Lengths given by Engineering Dept., Sun Oil Co., Beaumont, Tex,

Azimuths are Plane Azimuths with O° Plane Az. = True N. At U.S.C. 46.5 Triangulation Station : "Red Bluff"

M.H.T

Coordinates A Shell x=3,423,419,57 Y= 648,028.25

Coordinates & Slipper X=3,408,472.03 643,846,54

counter ++832

Minument.

AZIMUTH AND LENGTH FROM CO-ORDINATES.

Name Survey Cupi	len.		Date
County Galveston	State \mathcal{T}	ēx.	Prospect
From: A Slipper	To: A shell		Use: Azimuth
Δ×	AY		Log AX 4,1745697
3, 423, 419, 57	648,028,	25	LOG DX 3,6218539
3,408, 472.03	643,846,5	54	Log tan Ø 0,5532158
1.4,947.54	4 ,1 8 1	71	\$ 74°22'14,0 Az 74°22'14.0
Log AX		Log A	Y
Log sin Ø		Log c	os Ø
Log Dist.		Log D	ist.
From:	То:		Use:
ΔΧ	AY		Log AX
			Log AY
			Log tan Ø
			ø Az
Log AX		Log A	Y
Log sin Ø		Log c	os. Ø
Log Dist.		Log.	Dist.
From:	то:		Use:
Δ×	AY		Log A X
		And in case of the local division of the loc	Log DY
			Log tan Ø
			Ø Az
Log AX		Log A	¥
Log sin Ø		Log s	in Ø
Log Dist.		Log D	ist.

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Conversion Red Bluff to Grid Azimuths

Connection to a slipper to a shell Azimuth.

Y1 643,846,54 Y0 545,931,18 Y1-Y0 97,915,36

 $\Delta Y = 4,181.71 \\ \frac{1}{3} \\ \Delta Y_{8} = 1,393.90$

 $Y_1 = Y_0 = 97, 915, 36$ $\Delta Y_3 = 1393, 80$ $\Xi = 99, 309.26$

Scale correct at A Slipper. = -569 Scale correct at NE Con Tr 25 = -509 Z = -1148 + 2

Correct, Delween & Slipper + N.E. Cor. Tr. 25

Azimuth & Shapper to Shell on Red Bluff & Merid. 76°20' 11,3" Grid Azimuth & Slipper Ti & Shell 74°22' 13"6 Conversion Factor (-) 1°57'5777

Conversion "Red Bluff" To Grid Azimuths.

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0

Monument to Rail Monument = 154° 47' 26"3 Factor = (-) 1° 57' 57".7 Grid A2. 152° 49' 28.6

Name 2	Faverse			County	State	. Pi	rosp. Date	
Sta.	Brng	ΔX	Adj	X	ΔY	Adj	Y	٤x
Slipper	2,17°40'58,6 3 87°40'58,6 966,8'	L.D.\$ 2, 9853366 - 574 2,9852992 Lain 9,7862483 2,7715275 (-) 590.919		3,408,472.03 () 590,92	L Dist. 2,9858366 - 574 2,9852792 9,8988991 2.8836783		643,846,54 D 765.03	
Monument	152°49'28."6 S 27°10' 31,"4 ^E	L. Dist 4,2210489 		3,407,881.11 (D. 7596,92	(-) 765,029 L.Dist 4,2210489 4,2209915 9,9492010 4,1701925	1.2	643,081.51 14,097,64	
Rornet	16,636,0 152°49'28''6 8 27°10'31."4 ^E	(+) 7596,92 L,D,d. 2.4664227 -574 2,4663653 9,6596460 2,1260113		3,415.478.03 (4) 133.66	(-) 14,797,64 L.D.St 2.4664227 2.4663653 9,9492010 7.4155663		628283.87 (-) 260,36	
Rail <u>Monument</u> 1	292.7 235*53'16"3 55°53'16",3 21,87,41	(4) 133,663 L.D.S. 8,3399302 -579 3,3398723 9,9179996 3,2578719		3,415,611,69 (-) 1810,06	H 260,355 L.D.st. 3,3399302 -579 9.3398723 9.7488193 3.0886916		628,023,51 17 1226,37	£Υ
"C"	-325°53'16,3" N 34°06'43,7 219,36'	-579 2,3410995 9,7488193 2,0899188		3,413,801.63 (?) 123.00	(-) 1226568 4.05 2,3411574 -579 2.3410995 9,9179996 2.2590991		626796,94 (+))8),59	
<i>'β</i> '	2.17.30 2.35°53'16".3 55°53' 16".3 2640,0'			3, A13, 678.63 (-) 2185.74	(+) 181593 A.D.St. 3.4216039 -579 3.4215460 9.7488193 3.1403653		626,978.53 (9 1,480,35	
A	<u></u>	(-) 2185.474	L	3,411,492.89	€ 1480,353		625,498.18	

C

Traverse Fina	l Coordinate	Computation
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P

Name T	raverse			County	State	, Pr	osp. Date	
Sta.	Brng	ΔX	Adj	×	ΔY	Adj	Ý	٤x
Rail Monument	55°53'16,'3 N 5 5° 53'16,'3 452,59'	2.6557050 - 579 2.6556471 9.9179996 2.5986467		3,415,611,69 (+) 394.67	2,6557050 - 579 2,6556471 9,7488193 2,4044664		628,023.51 253.98	scale factor at N.E.Conver. Trockt 25 4
"D"	145°53'16.''3 8 34°06'43.''7 641,98	(+) 374.668 2.8075215 -579 2.8074636 9.7488193 2.5562829		3,415,986.36 H) 359,98	A) 253,783 2,8075215 -579 2,8074636 9,9179996 2,7254632		628,277.29 531,45	12
'Sun' NE Cor. 27	67117.0	(+) 359.984.		3,416,346,34	⊖ 531,457		62.7,745,84	εγ
"C"	145°53'16"3 \$ \$4°06'43"7 363",25	2.4817429 9,7488193 2.2305622		3,413,801.63 H) 170.04	2.4818008 -599 2.4819429 <u>9.9179996</u> 2.3997425		626,796.94 (-) 251,04	
"Sun" - NE: Gr. 26		(+ <u>) 1790,44</u>		3,413,971.67	<u>(-)</u> 251,039		626,545.90	
"A" "Bun"	145°53'16, ⁴ 3 8 34°06' 43,"7 ^E 136,9 4	2,1365303 -579 2,1364724 9,7488193 1.8852917 (+) 76,787		3,411,492,89 (+) 76,79	2,1365303 - 579 2,1364724 9,9179996 2,0544720 (-) 113,363		625,498,18 () 133,36	
N.E.Cor. 25				3,411,569.68	1		625,364,82	

3

an man

Computations of Intersections of NE Boundary of Tract No. 24 with Lines as indicated.

Intersection with line Y= 620,400.00, - South Boundary of Block 146

626,589,55 620,400.00 AY = 6,189.55 eg ≤Y = 8.7916591 Tana (D= 9,8308281 ≤X: = 3,6224872 3,407,655.04 4.192.64 X=3,411,847.68

Intersection with line X=3,412,435,81, - East Boundary of Block No. 153

3,412,435,81 3,407,655.04 AX = 4,780.77

Log AX = 3,6794979 og Tan X () = 9,8308281 Log AY = 3,8486698

Intersection with line Y= 615,120,00, - South Boundary of Block No. 152

626,589,55 615,120.00 615,120.00 67=11,469,55

Log AY = 4.0595464 og Tana (+) = 9,830 8281 Log AX = 3,8903745 3,407,655,04 == 7769.17 3,415424.21

Intersection with line X=3,417,715,81, - East Boundary of Block No. 161

 $\frac{3,417,915.81}{3,407,655.04}$ $\frac{3,407,655.04}{AX} = 10,060.77$

Log AX = 4.0026310 og Tan X = 9,8308281 A Log AY = 4.1718029

626,589.55 Y=14,852.61 Y=611,736.94

counter ++839

November 26, 1947

Sun Oil Company San Jacinto Life Building Beaumont, Texas

Attention: Mr. D. L. Alexander

Gentlemen:

I appreciate very much you supplying me with the detailed information concerning the present location of Tracts No. 25, 26 and 27, submerged area offshore in the vicinity of Bolivar Peninsula, Galveston County, Texas.

This information will be of much benefit to us in the office and the excellent manner in which it was arranged is appreciated.

If at any time I can be of service to you, do not hesitate to call upon me.

Sincerely yours,

BASCO M GILES, COMMISSIONER OF THE GENERAL LAND OFFICE

counter ++840

AV:kns



SUN OIL COMPANY

GULF COAST DIVISION SAN JACINTO BUILDING BEAUMONT, TEXAS

October 11, 1950

Honorable Bascom Giles, Commissioner General Land Office Austin, Texas

Dear Sir:

On November 17, 1947, Mr. D. L. Alexander furnished your office a copy of our Plat No. 157 showing our State Leases 26 and 27 near Caplen, Galveston County, Texas, in relation to adjoining tracts in the Gulf of Mexico as based on the Lambert Coordinate System. Attached also to Mr. Alexander's letter was a copy of the report and calculations pertaining to these Lambert Coordinates.

In checking through the calculations, it has been discovered that the coordinates of the intersection of the eastern and western lines of Tracts 25, 26 and 27 with the shore line is in error. This error will show on Page 7 of the calculations (a photostatic copy of this page is attached for your convenience). As shown on this sketch, the distance from the "Monument" to "Corner" is 16,636.0 feet, which is correct. "Rail Monument" shows to be on an azmuth of 154°47'26.3" from "Corner". This is the error as "Rail Monument" should be on an azmuth of 334°47'26.3" 292.7 feet from "Corner". This error will account for the northeast corners of Lots 25, 26 and 27 being located 585 feet southeastwardly and 80 feet southwestwardly from their correct positions.

Attached hereto is a copy of our Drawing No. 157A showing the corrected Lambert Coordinates of these corners. Other Lambert Coordinates shown on our original Drawing No. 157 and this Drawing No. 157A have been checked and proven to be correct.

It is noticed that your map of Galveston Turtle and East Bays and portions of the Gulf of Mexico revised to May 18, 1949, shows these erroneous coordinates. RECEIVED

OCT 16 1950 REFLARED TO MAP counter +48+1 920

Honorable Bascom Giles Page #2 October 11, 1950

. .

Hoping this error has been discovered in time to keep it from causing any trouble, I remain,

Yours very truly,

SUN OIL COMPANY

By OJ. J. L. Patton, Mgr Engineering Dept. Mgr.

JLP/mmi Encls.

cc: Management Committee - Encls. Mr. Joiner Cartwright - Encls.

counter 44812

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8920

slipperia N. Plane tz = 76 Azimuths and Lengths given by Engineering Dept., Sun Oil Co, Beaumont, Tex,

> Azimuths are Flane Azimuths with O'Plane Az. = True N. At U.S.C. 46.5 Triangulation Station: "Red Bluff"

> > M.H.T.

nument.

Coordinates A shell x=3,423,419.57 Y= 648,028.25

Coordinates & Slipper X=3,408,472.03 643,846.54

RECEIVED OCT 16 1950 REFERRED TO MAP

counter \$\$\$843





GALVESTON CO RLD. SK. Nº14 Flat Folder USE DO NOT 3



October 20, 1950

Sun Oil Company San Jacinto Building Beaumont, Texas

Attention: Mr. J. L. Patton, Mgr. Engineering Dept.

Dear Mr. Patton:

Your letter of October 11, 1950 relative to M. L. 19974 and M. L. 33137 on submerged tracts 26 and 27, Gulf of Mexico, Galveston County, has been received.

We had attempted to check the calculations pertaining to the Lambert Coordinates as submitted by Mr. Alexander with his letter of November 17, 1947, but were unable to get the same results, nor could we detect the error at that time.

Your letter of October 11, 1950 explains the reason, and we have now checked your calculations and find them to be correct.

The map of Galveston, Turtle and East Bays and Portion of the Gulf of Mexico, dated May 18, 1949, has been corrected to correspond.

We thank you for your assistance and cooperation in this matter; and will appreciate your calling our attention to any other discrepancies or errors you may find at any time on the maps compiled by this department.

Sincerely yours.

BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE

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