

Jackson COUNTY ROLLED SKETCH NO. 13

Garcitas Creek Photos

SURVEYED On ground inspection March 13, 1975

Herman Forbes & Ed McCarty FILED 3-14-75

counter 46135



counter 96136

Garcitas Creek

Jackson Co. Rld. sk. #13



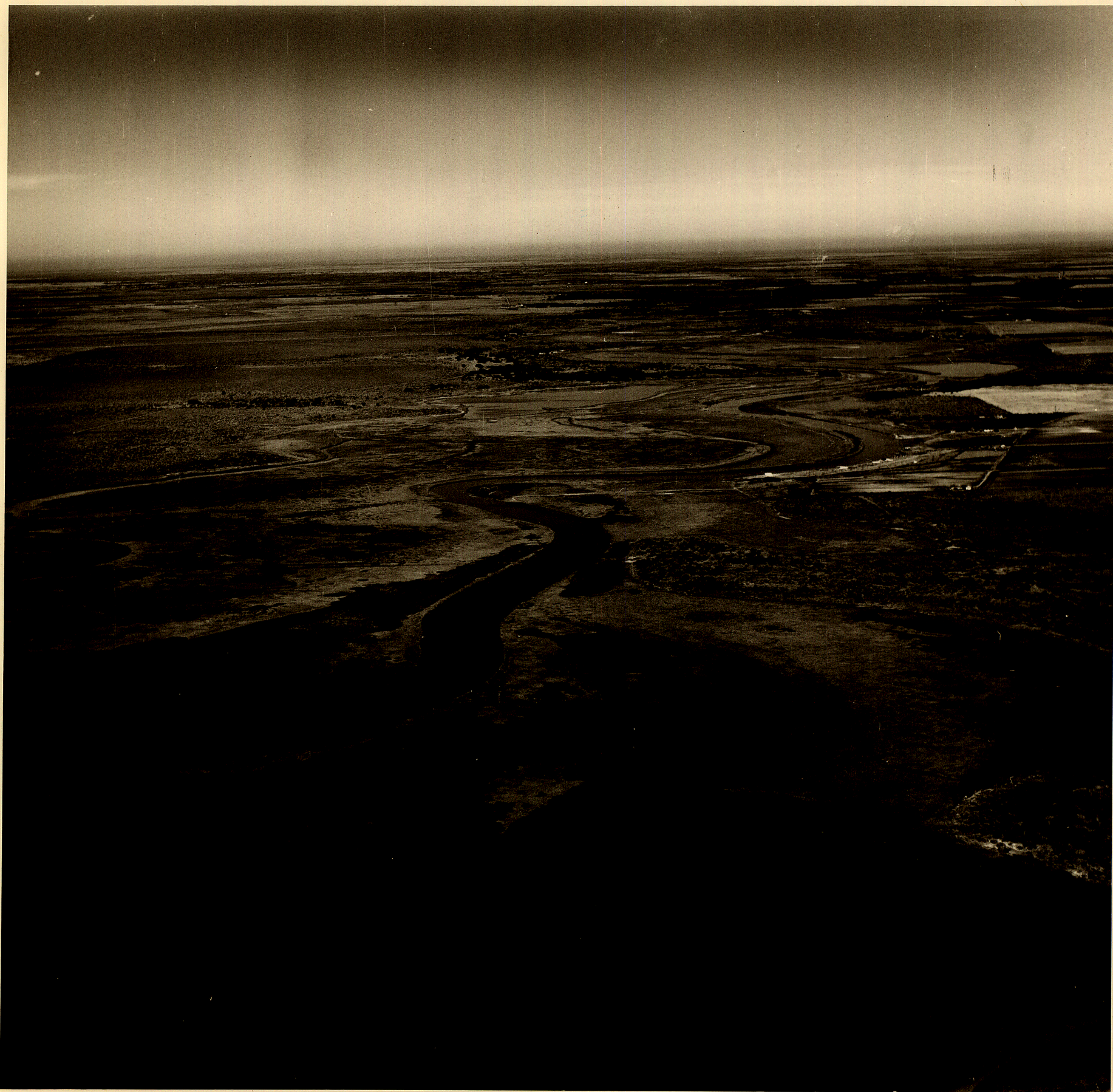
Counter 46137



counter 46138



counter 46139



counter 46140

Garcitas Creek.



counter 46141



counter 46142



Counter 46143



counter 46144



counter 46145



counter 46196



counter 46147



Counter 96/48

Senor Commissioner:

2265

The Tract that I have surveyed for Citizen Martin de Leon by virtue of your decree is situated between the Zorrillo, Palo Alto, and Garcitas Creeks, beginning at a tree that is commonly called wild peach situated on the west margin of Garcitas Creek, six inches in diameter, bearing north seven degrees fifty minutes east at a distance of six varas from a black oak twelve inches in diameter, and bearing south four degrees thirty minutes west eleven and two-fifths varas from a tree called linden eighteen inches in diameter, which is the first landmark. Thence a straight line was run south thirty-five degrees thirty minutes west nine thousand nine hundred varas until arriving at a cottonwood which they call Palo Alto (tall tree) which is on the edge of a little creek that takes its name from this Palo Alto. It is twenty inches in diameter and bears south sixty-four degrees twenty minutes east at a distance of three and three-fifths varas from two twin cottonwoods nine inches in diameter, which is the second and last landmark. Thence I followed the meanders of this creek down to where it joins Zorrillo Creek, otherwise known as Union Creek. Thence following the latter down to its mouth on Matagorda Bay. And thence I followed the shore of said Bay for a boundary, this being known as Tapon Point and being the final mouth of Garcitas Creek, until arriving at the point where this creek begins to empty into a flat full of permanent marshes and small lakes, which point is known as the Old Presidio. And thence I followed all the meanders of the Garcitas up to the point where the Arenoso Creek joins it. And thence I still followed the Garcitas until arriving at the first landmark, comprising in this survey five leagues of land, of which eight million square varas, or what is

the same, eight labores, belong to the class of farming land,
and the rest to that of grazing land. Its configuration is the
very irregular one which I show on the diagram that I send
you herewith in duplicate.

Guadalupe Victoria, January 24, 1833.

JOSE M. J. CARVAJAL (rubric)

Surveyor.

Transl. Feb. 13, 1940
Corr. March 19, 1941

TITLE = Ramon Musquiz - 5 1/2 leagues

Vol. 67 - 701

(omitting the concession, etc.
on pp. 701-710)

THIRD SEAL

FOR THE BIENNIUM OF

TWO REALS

(seal)

1832 AND 1833

2678

In the City of San Fernando de Bejar on the twenty-second day of the month of November of the year eighteen hundred and thirty-two, before me, Citizen José Antonio de La Garza, only Constitutional ^{Alcalde} of same, and attending witnesses, who will be named at the end, appeared Citizen Ramon Musquiz, ^{Political} Chief of ~~Police~~ of this Department, in his own person, which I attest and recognize, and he declared: That he hereby grants, gives, and confers his special, full, and complete power-of-attorney = with authority for substituting same = to Citizen Narciso Musquiz, a resident and inhabitant of the Town of Guadalupe Victoria, to represent his own person, rights, and ^{actions} with regard to eleven leagues of land that he obtained as a settler by concession from the Supreme Government of this State by Decree of August 28, 1829, and to apply to the Commissioner of Empresario Citizen Martin de Leon's Colony = in accordance with the resolution of March 10th of this year by the special and general Supreme Government of the State = for the survey and legal possession of the tract, on which he has a Ranch for large stock, on the right side of Lavaca Creek, which the Alcalde of the Town of Goliad reserved for him on October 19th of the aforesaid year of 1829, and it contains six or seven leagues; and to obtain the corresponding title, by the instructions in the respective file of documents, of the aforesaid tract and of the remainder of the eleven leagues of land at those places where he has obtained the required consent of said Empresario. In virtue thereof, he granted same, renouncing the laws that may favor him, and for the validity and security thereof he binds his person and present and future holdings: he renounced his own right, domicile and ^{municipality} ~~residence~~, and signed hereto with me, the present Judge, instrumental witnesses being Citizens Domingo Bustillos, Nicolas Flores, and Francisco Bustillos, besides those of my attendance, with whom I act for lack of a notary public, there being none within the terms of the law. To all I attest. Interlined = twenty = Valid.

JOSE ANTONIO DE LA GARZA(rubric)

RAMON MUSQUIZ(rubric)

Attending Witness:

Attending Witness:

J. MARIA BALMACEDA (rubric)

VICTORIANO ZEPEDA (rubric)

counter 46151

THIRD SEAL

TWO REALS

(seal)

FOR THE BIENNIUM OF

1832 AND 1833

Señor
Lord Commissioner:

Guadalupe Victoria
December 20, 1832
presented and ad-
mitted with the
accompanying docu-
ments; forward to
Citizen Empresario
Martin de Leon, for
him to report on
this petition and
note whether the
tract in question
is vacant.

LEON (rubric)

I, Citizen Narciso Musquiz of this vicinity appear be-
fore you and declare: That whereas I am attorney for my
uncle Citizen Ramon Musquiz, as appears by the attached
public instrument numbered 1, authorizing me to apply for
possession of eleven leagues of land that were granted to
him as a settler by the Supreme Government of the State by
decree of August 28, 1829, as appears by the certified copy
numbered 2, and whereas with the previous consent of Citizen
Martin de Leon, Empresario of this Colony, he was reserved
a tract next to the coast between Lavaca and Garcitas Creeks,
by the Alcalde of the Town of Goliad on October 19th of the
aforesaid year of 1829, as shown by document No. 3, and in
accordance with what has been ordered by the Superior Authority
of ~~the Most Excellent Lord~~ *His Excellency the* Governor of the State by order of
March 10th of this year, a certified copy of which I enclose
as No. 4, and as No. 5 the consent duly given him by the
Empresarios Citizen Santiago (James) Pauer and Santiago Wuetson
(Hewetson) who have claimed rights to said lands

I beg and entreat of you, *Señor* Lord Commissioner, in virtue of the power
vested in me, to please order the reserved tract to be sur-
veyed and to grant the corresponding title of possession in
favor of my constituent, and I hope that a competently certi-
fied testimonio of same will be delivered to me, and that
you may also be pleased to give me a certified copy of the
Decree whereby my party was granted the aforesaid eleven
leagues, setting forth those that are to be received after
the Lavaca tract is subtracted.

Guadalupe Victoria, December 19, 1832.

NARCISO MUSQUIZ
(rubric)

Señor
~~Lord~~ Commissioner:

Pursuant to your foregoing Decree I must say; that the Amparo (sanction, ~~reservation~~ ^{or injunction}) given by the Alcalde of Goliad for the tract mentioned in the present petition was with my consent, by virtue whereof the interested party has been settled on it since the year 1831, and whereas it was vacant, there is no obstacle to his being granted ownership of same, as, he requests.

Guadalupe Victoria, December 20, 1832

MARTIN DE LEON (rubric)

Town of Guadalupe Victoria, December 20, 1832

To the Surveyor Citizen José Maria Carvajal ^{so that he may} ~~for him to~~ make a scientific survey of the tracts requested, enter the corresponding Field Notes of the interested party hereinafter, and return this petition.

LEON (rubric)

Señor
~~Lord~~ Commissioner:

The Tract surveyed for ~~Don~~ Ramon Musquiz pursuant to the foregoing Decree is situated between the Lavaca River and Garcitas Creek, beginning at a stake that is driven on the ^West bank of Lavaca River and bears ^North twenty-four degrees ^East at a distance of four and four-fifths varas from a white oak twelve inches in diameter ^North fifty-nine degrees forty-five minutes ^West at a distance of eleven and a fifth varas from another white oak fifteen inches in diameter, which is the first landmark of this survey, and the last of the tract surveyed for don Silbestre de Leon. Having established this landmark, a straight line, which is also said don Silbestre de Leon's, was run ^South forty-five degrees ^West four thousand seven hundred and two varas until arriving at a stake driven in the prairie on don Valentin Garcia's ^Northeast line; which is the second landmark of this survey and the fifth of said Leon's. Thence followed said Garcia's line ^South thirty degrees ^East eight thousand nine hundred and forty-six varas until arriving at said don Valentin Garcia's third landmark, which is an oak twenty inches in diameter and is ^South eighty-seven degrees forty minutes ^East eighteen

and a fifth varas of an oak twelve inches in diameter, and South fifty-eight degrees twenty-five minutes ^West at a distance of two and three-fifths varas from another oak eight inches in diameter, which is ^{also} the third landmark ~~also~~ of this survey. Thence followed the Venadito Creek as a boundary down along all its meanders until arriving at a stake that is on the ^West side of this creek and bears ^North sixty-eight degrees fifty minutes ^East at a distance of eighty and one fifth varas from an oak six inches in diameter, which is the fourth landmark of this survey and of the aforesaid Garcia. Thence leaving the Venadito, followed the lower line of the aforesaid Garcia ^South twenty-eight degrees ten minutes ^West seven thousand four hundred and fifty varas until arriving at the fifth landmark thereof, which is an oak commonly called "black oak," that is fourteen inches in diameter and bears ^South sixty-eight degrees ^West one vara from another black oak the same size, situated on the ^Northeast margin of Garcitas Creek and they complete the fifth and last landmark of this survey. Thence followed said Garcitas Creek down to its mouth on Matagorda Bay. And thence followed all the edge of said Bay to the mouth of the Lavaca River, and the latter was followed along all its meanders up until arriving at the first landmark, comprising in all the survey one hundred and thirty-seven million and five hundred thousand square varas, or five and a half leagues of land, excluding the lakes and permanent marshes that are enclosed therein; of which nine million square varas, or what is the same, nine labor^s, belong to the class of farming land, and the rest to that of grazing land; its configuration being that which I show on the diagram that I respectfully ^{submit to you} ~~send you~~ herewith in duplicate.

Town of Guadalupe Victoria, December 31, 1832

JOSE M. J. CARVAJAL (rubric)

Surveyor

Whereas the tract requested ~~by~~ Citizen Ramon Musquiz ~~by virtue of~~ the eleven league grant which he obtained as a ~~settler~~ from the Supreme Government of the State ^{and} of the amparo with the consent of the empresario of this colony, and in view of the provisions of the special and general Supreme Government of this State, as appears by the documents attached to this file — has been surveyed: Issue the title of ownership, in order that he may thereby possess

same in accordance with the Laws, and give him a certified copy of the Decree, which he requests, with an explanation of the land that he has yet to receive to complete the aforesaid eleven leagues: by this decree thus I provide, order and sign with two witnesses of my attendance in this Town of Guadalupe Victoria on the second day of the month of January of eighteen hundred and thirty-three, which I certify.

FERNANDO DE LEON (rubric)

Attending Witness:

PLACIDO YENABIDES (rubric)

Attending Witness:

JOSÉ FRAN. CO FLORES (rubric)

I, Fernando de Leon, commissioner of the Supreme Govt. of the State of Coahuila and Texas by supreme decree dated April twentieth, eighteen hundred and thirty-one, for distributing and giving possession of vacant lands to the colonists introduced by the Citizen Empresario Martin de Leon for the first and second colonization contract that he has made to that effect with same Supreme Govt., the former having the consent and approval of the Most Excellent Señor Vice-President of the Republic: Whereas Citizen Ramon Musquiz in accordance with the authority that he obtained to designate ~~the~~ ^{of the} eleven leagues that were granted to him as a settler by Superior Decree of August twenty-eighth, eighteen hundred and twenty-nine, in the vacant lands of the Department, together or separate, has designated those ~~containing~~ ^{described in} the foregoing field notes of the Surveyor in lands under the boundaries of the colony of which I am commissioner — In the name of the State, I grant concede and put him in real and personal possession of one hundred and thirty-seven million five hundred thousand square varas, or the equivalent thereof, five and a half leagues of land, which are those that he possesses and whose boundaries are set forth by the diagram and field notes made by the Surveyor Citizen José M. J. Carbajal, as appears in this file, and it has an area of nine million square varas, or what is the same, nine ^{labor} ~~labors~~, that belong to the class of arable land, and one hundred and twenty-eight million five hundred thousand square varas to grazing land. According to this he must pay the State the amount of one hundred and seventy-six pesos five ^{reals} ~~reals~~, seven ^{granos} ~~granos~~, and twenty hundredths of a grano, by way of ac-

knowledge in accordance with the requirement of Article twenty-two of the colonization law of March twenty-fourth, eighteen hundred and twenty-five, under the penalties therein established. *And he has been advised* ~~It is understood to him~~ that within a year he must construct landmarks of mortar and stone at each corner of the tract, that he must settle and cultivate it in accordance with the requirements of said law, and that he shall scrupulously comply with all else that is ordered therein, and that he shall never convey it in mortmain.

Therefore, exercising the powers vested in me by the Law and instructions to this end, dated September fourth, eighteen hundred and twenty-seven, I issue the present title and order that a testimonio be made thereof ~~and be~~ delivered to the interested party, ~~in~~ order that he may possess ~~and enjoy~~ the land that has been granted him in possession -- he, his children, heirs and successors, or whoever have his or their right or represent his or their action, such being the will of the State. Given in the Town of Guadalupe Victoria on the second day of the month of January, eighteen hundred and thirty-three. = Interlined: on the - day - month of = Valid.

FERNANDO DE LEON (rubric)

Attending Witness:

PLACIDO VENABIDES (rubric)

Attending Witness:

JOSE FRAN^{CO} FLORES (rubric)

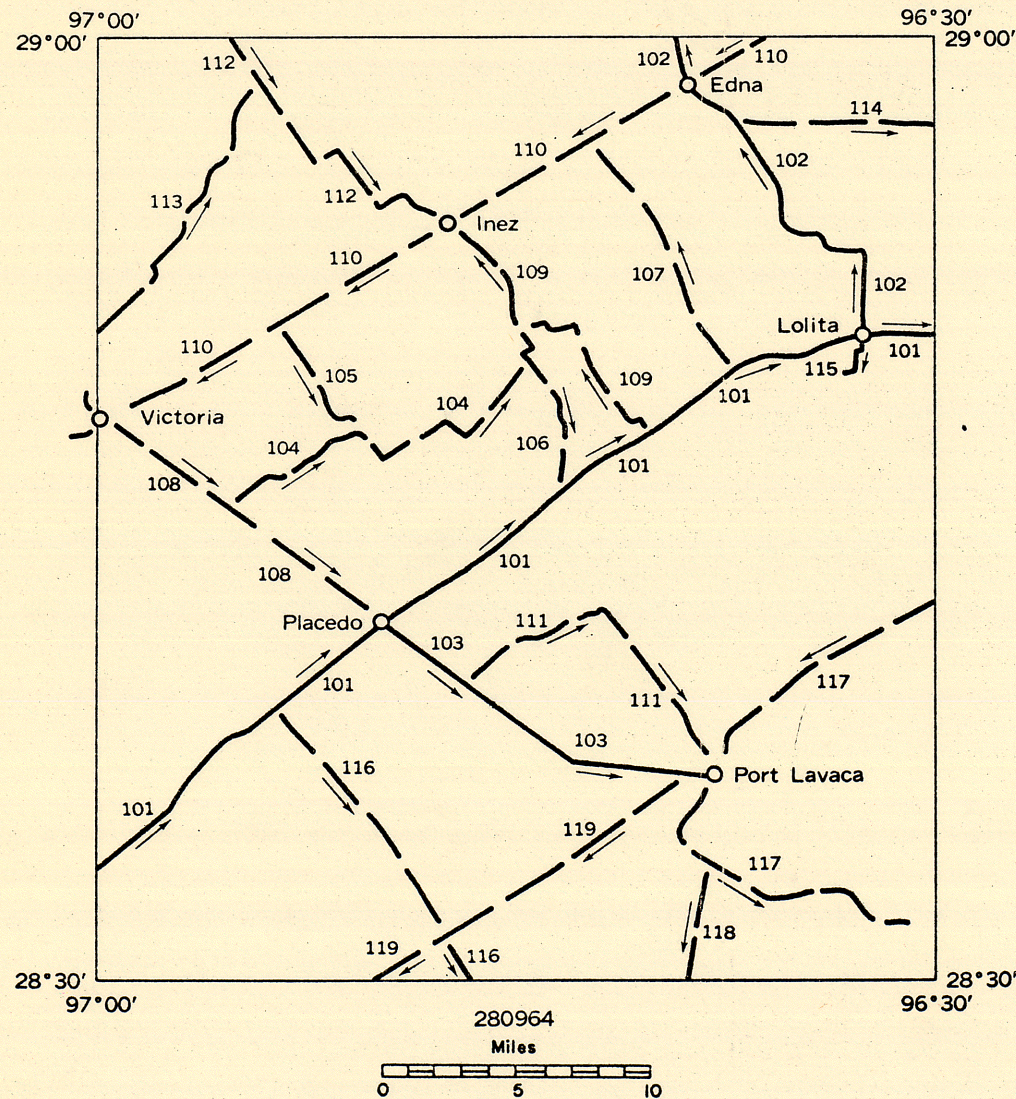
Testimonio delivered to the interested party on same day, month and year.

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA
by the
NATIONAL GEODETIC SURVEY
SEA LEVEL DATUM OF 1929

QUAD - - - - - 280964
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12



REPLACES EARLIER LIST

USCOMM-NOAA-ASHEVILLE

NOAA FORM 76-127
(7-72)

Johnson Co. Rd. Sta. #13

counter 46157 3'

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

REPLACES ELEV. DATED MARCH 1973

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

LIST OF COMPARATIVE ADJUSTED ELEVATIONS

QUAD 280954 PAGE NO. 1
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

These adjusted elevations, in feet, are based on the Sea-level Datum of 1929 through the 1957 and 1973 adjustments.

The descriptions of the destroyed marks have been omitted, however, they are available upon request if required.

LINE 101 - ADJUSTED ELEVATIONS

	208	L-10265	L-13936	L-22711	L-22726	L-22735	L-22898
1918 FIRST- ORDER (Feet)	1943 FIRST- ORDER (Feet)	1950-51 FIRST- ORDER (Feet)	1972 SECOND- ORDER (Feet)	1972 FIRST- ORDER (Feet)	1972 FIRST- ORDER (Feet)	1972-73 FIRST- ORDER (Feet)	
BENCH MARK							
G 695		68.517	68.340				
P 40	64.262	64.314	64.101				
H 695		67.792	67.615				
J 695		42.326	42.113				
Q 40	24.032	23.924	23.806				
V 174			14.012				
R 40	25.997	26.056	25.889				
L 695		45.800	45.590				
S 40	63.543	63.530	63.461				
G 696		57.136	56.929				
T 40	60.836	61.030	60.902				
M 695		57.113	57.041	(DEST)			
BLOOM RM 2			59.183				
BLOOM RM 1			60.216				
BLOOM			59.541				
BLOOM AZ			60.216				
N 695		56.998	56.998	(DEST)			
U 40	57.152	57.165	57.086				
Q 695		56.371	56.371				
Q 695 RESET 1959					51.493		51.401
V 40	56.965	56.726	56.726		55.902		55.814
D 41	51.122	50.971	50.925		50.200		50.085
S 1196					50.567		50.435
R 1196					51.309		51.227
E 41	50.869	51.079	51.079		(DEST)		
R 695		45.230	45.413		(DEST)		
N 1196					48.642		48.579
P 1196					44.619		44.547
BM WELL					45.499		45.430
S 174		44.291			43.530		43.461

LINE 101 (CONTINUED) -- VERTICAL ELEVATIONS

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

SEPTEMBER 1973
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

VERTICAL CONTROL DATA

QUAD 280954 PAGE NO. 1
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

counter 46158 52

Jackson Co Rd 13

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280954 PAGE NO. 2
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

LINE 101 (CONTINUED) -- ADJUSTED ELEVATIONS

BENCH MARK	208	L-10265	L-13936	L-22711	L-22726	L-22735	L-22898
	1918 FIRST- ORDER (Feet)	1943 FIRST- ORDER (Feet)	1950-51 FIRST- ORDER (Feet)	1972 SECOND- ORDER (Feet)	1972 FIRST- ORDER (Feet)	1972 FIRST- ORDER (Feet)	1972-73 FIRST- ORDER (Feet)
S 695		44.393	NOT RECOVERED		(DEST)		
F 41	43.422	43.350	43.287		(DEST)		
GAGING STA (USGS)					43.232		43.169
T 695		44.436	44.386		43.711		43.635
G 41	43.084	43.041	42.999		(DEST)		
D 1195					40.705		40.663
E 1195					36.831		36.814
U 695		42.234	42.185		NOT RECOVERED		
V 695		34.541	34.498		(DEST)		
F 1195					36.762		36.739
U 174			37.549		(DEST)		
A 1192					40.239		40.207
N 697		40.571	40.531		39.941		39.895
W 695		36.588	36.588		36.329		36.250
X 695		16.545	16.545		15.873		15.837
E 1192					20.026		19.990
V 762		27.825	27.805		27.136		27.100
F 1192					34.196		34.183
J 41	35.518	35.886	35.856		35.568		35.531
G 1192					30.987		30.919
T 174			34.390		(DEST)		
K 41	31.758	31.758	31.699		31.158		31.135
T 762		34.134	34.101		(DEST)		
H 1192					32.736		32.667
S 762		35.443	35.243		(DEST)		
J 1192					33.816		33.812
N 41	42.014	41.995	41.955		(DEST)		
M 41	44.429	44.350	44.317	43.530	43.530		43.517
M 1196				34.964	NOT LEVELED		NOT LEVELED
B 1192				37.920	37.920		37.907

counter 46159

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280964 PAGE NO. 3
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

LINE 111

ADJUSTMENT OF 1950 HGZ L-13956

R. C. Darling 1950 FIRST-ORDER

BENCH MARK	ADJUSTED (Meters)	ELEVATION (Feet)
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Q 597	12.810	42.027
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ADJUSTMENT OF 1943 HGZ L-9424

E. H. Sheridan 1941-42 SECOND-ORDER

S 597	10.793	35.410
U 597	8.934	29.311
V 597	9.685	31.775
WILSON	9.553	31.342
WILSON RM 2	9.117	29.911

*Changed elevation.

LINE 111 (Continued)

BENCH MARK	ADJUSTED (Meters)	ELEVATION (Feet)
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WILSON RM 1	8.778	28.799
W 597 RESET 1958		28.969

ADJUSTMENT OF 1950 HGZ L-13956

R. C. Darling 1950 FIRST-ORDER

X 597	7.726	25.348
Y 597 RESET 1946	7.142	23.432
Z 597 RESET 1946	6.744	22.126

A 598 RESET 1946	5.726	18.786
B 598 RESET 1946	5.249	17.221

LINE 112

ADJUSTMENT OF 1943 HGZ L-10766

C. J. Beyma 1943 SECOND-ORDER

BENCH MARK	ADJUSTED (Meters)	ELEVATION (Feet)
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L 870	35.518	116.529
K 870	35.370	116.043
J 870	33.605	110.252
H 870	32.496	106.614

G 870	29.952	98.268
F 870		DESTROYED
E 870		DESTROYED

READJUSTMENT OF 06-15-73 HGZ L-22705

R. R. Gerrish 02-15-72 03-13-72 SECOND-ORDER

D 870	25.301	84.977
C 870	23.606	77.447
Y 1195	23.385	76.722
B 870 RESET 1950	21.248	69.711
A 870	20.048	65.774

counter 46160

S³

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280954 PAGE NO. 4
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

LINE 113

ADJUSTMENT OF 1943	HGZ L-10766
C. J. Beyma 1943	SECOND-ORDER
BENCH MARK	ADJUSTED ELEVATION
(Meters)	(Feet)
Y 870	35.393 116.119
Z 870	35.960 117.979
A 886	36.737 120.528
BECK AZI	37.126 121.804
BECK	36.759 120.600
BECK RM 1	36.854 120.912
BECK RM 2	36.939 121.191
B 886	36.293 119.071
C 886	34.733 113.953
D 886	28.541 93.638
E 886	35.216 115.538
F 886	DESTROYED
G 886	35.595 116.781

LINE 114

READJUSTMENT OF 06-15-73	HGZ L-22723
R. R. Gerrish 03-28-72 03-31-72	SECOND-ORDER
BENCH MARK	ADJUSTED ELEVATION
(Meters)	(Feet)
P 1197	17.500 57.710
Q 1197	17.645 58.022
15 WHV (USGS)	16.941 55.531
P 1197	15.560 52.064
14 WHV (USGS)	15.709 51.539
S 1197 RESET 1972	53.344
T 1197 RESET 1972	52.771
13 WHV (USGS)	15.992 52.467
U 1197	15.589 51.145

LINE 116

ADJUSTMENT OF 1952	HGZ L-13936
R. C. Darling 1950-51	FIRST-ORDER
BENCH MARK	ADJUSTED ELEVATION
(Meters)	(Feet)
A 591	17.594 57.723
ADJUSTMENT OF 1943	HGZ L-9494
C. J. Beyma 1942	SECOND-ORDER
B 591 RESET 1947	54.910
C 591	14.798 48.550
D 591	12.665 41.552
E 591	14.774 48.471
F 591	13.190 43.274
G 591	12.976 42.572
WELDER RM 2	12.937 42.444
WELDER	12.704 41.680
J 591	10.746 35.256
K 591	10.377 34.045
II 591	10.470 34.350
N 591	2.204 30.197
P 591	8.737 28.665

LINE 117

ADJUSTMENT OF 1943	HGZ L-10415
C. J. Beyma 1943	SECOND-ORDER
BENCH MARK	ADJUSTED ELEVATION
(Meters)	(Feet)
R 596	DESTROYED
S 596 RESET 1954	16.234
T 596	DESTROYED
U 596	6.435 21.112
V 596	1.951 6.401

counter 46161

Jackson Co Rld SK 13

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA
by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280964 PAGE NO. 7
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

LINE 101

DESCRIPTION OF BENCH MARK

QUAD 280964

Designation D 1195 State Texas County Victoria
Nearest town Placedo County Victoria
Distance and direction from nearest town 5.7 miles northeast
Character of mark A C&GS BM Disk on a Rod
Established by National Geodetic Survey
Detailed description

About 5.7 miles northeast along Farm-to-Market Road 616 from the intersection of U.S. Highway 87 at Placedo, 5½ poles southwest of Missouri and Pacific Railroad milepost 230. 0.1 mile northeast of a farmhouse, 60 feet southeast of the center line of the road, 167 feet southeast and across the road from the southeast rail of the main track, 107 feet northeast of a corner fence post, 12 feet southwest of a power pole, 27.8 feet east of the northeast end of a tubular culvert under an entrance road to a pasture, 1½ feet northwest of a fence, 1.0 feet northeast of a metal witness post about 1 foot below the level of the road, and on the top of a 4-foot section of copper coated rod that is attached to a metal base plate. The disk projects 1 inch and is protected by a 6-inch metal pipe which projects 1 inch.

DESCRIPTION OF BENCH MARK

QUAD 280964

Designation E 1195 State Texas County Victoria
Nearest town Placedo County Victoria
Distance and direction from nearest town 6.65 miles northeast
Character of mark A C&GS BM Disk on a Rod
Established by National Geodetic Survey
Detailed description

About 6.65 miles northeast along Farm-to-Market Road 616 from the intersection of U.S. Highway 87 at Placedo, or about 5.45 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, 0.3 mile southwest of a trestle and a 3-channel culvert over Angula Creek, 167 feet southeast and across the road from the southeast rail of the main track, 58½ feet southeast of the center line of the road, 136 feet northeast of a power pole, 22½ feet southwest of the center of a metal gate at the entrance to a pasture, 1½ feet northwest of a fence, 5.4 feet northeast of a concrete right-of-way marker, 0.8 foot east of a metal witness post, about level with the road, and on the top of a 4-foot section of copper coated rod that is attached to a metal base plate. The disk is level with the surface of the ground and is protected by a 6-inch metal pipe which projects 1 inch.

RECOVERY NOTE, BENCH MARK

R

Designation U 695 1943 State Texas (Tex) County Victoria
Nearest town La Salle Described in 280964 (240) Chief of party L.F. Smith
Distance and direction from nearest town 6.0 miles southwest Recovery date 6/13/67
Character of mark C&GS Bench mark disk Established by C&GS Stamping U 695 1943
Also horizontal control point: ☐ Present condition Not found
Detailed report: --

This bench mark was searched for but not found, the mark may have been destroyed during construction work along railroad.

RECOVERY NOTE, BENCH MARK --

6.0 miles southwest along the St. Louis, Brownsville and Mexico Railroad from the station at La Salle, 0.5 mile northeast of the station at Carr, southeast of and across the track from the 3rd pole northeast of milepost 230, 50 feet southeast of the southeast rail of the main track, 28 feet northwest of the center line of a northeast and southwest road, 2.3 feet southeast of a fence, 2.5 feet northeast of a witness post, set in the top of a concrete post which projects 0.6 foot above the ground.

Not Recovered

1972

RECOVERY NOTE, BENCH MARK

QUAD 280964

R

Designation V 695 State Texas County Victoria
Nearest town La Salle Described in 240
Distance and direction from nearest town 5.1 miles southwest
Character of mark A C&GS BM Disk Established by C&GS
Also horizontal control point: ☐ Present condition Destroyed
Detailed report: The concrete post in which the disk was set was found pulled out of the ground and the imprint of the disk was plainly visible. The mark has been destroyed but the disk was not recovered.

DESCRIPTION OF BENCH MARK

QUAD 280964

Designation F 1195 State Texas County Victoria
Nearest town La Salle County Jackson Chief of party R. Gerrish
Distance and direction from nearest town 4.7 miles southwest
Character of mark A C&GS BM Disk on a Rod
Established by National Geodetic Survey
Detailed description

About 4.7 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, 167 feet southeast and across Farm-to-Market Road 616 from the southeast rail of the main track, 60 feet southeast of the center line of the road, 68.4 feet west of the west corner of a concrete foundation for an engine at the Florida High Pressure Gas Line, 50½ feet southwest of the center of a metal gate at the entrance to the pipeline, 20 feet northeast of a power pole which bears a transformer, 2.0 feet west-southwest of a corner fence post, 1.0 foot northeast of a metal witness post, about 1½ feet above the level of the road, and on the top of a 4-foot section of copper coated rod that is attached to a metal base plate. The disk projects 2 inches and is protected by a 6-inch metal pipe which projects 2 inches.

RECOVERY NOTE, BENCH MARK

R

Designation U 174 1950 State Texas (Tex) County Victoria
Nearest town La Salle Described in 280964 (240) Chief of party L.F. Smith
Distance and direction from nearest town 4.45 miles southwest Recovery date 6/13/67
Character of mark C&GS Bench mark disk Established by C&GS Stamping U 174 1950
Also horizontal control point: ☐ Present condition Destroyed
Detailed report: --

This bench mark was found pulled out of the ground, disk recovered.

counter 76162

54

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280964 PAGE NO. 8
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

DESCRIPTION OF BENCH MARK

QUAD 280964

Designation A 1192 State Texas County Victoria
Nearest town La Salle County Jackson
Distance and direction from nearest town 3.8 miles southwest
Character of mark A C&GS BM Disk on a Rod
Established by National Geodetic Survey
Detailed description

About 3.8 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, at a crossing of the railroad and a private road, 0.4 mile northeast of milepost 232, 49 feet northwest and across a sidetrack from the northwest rail of the main track, 132 yards southwest of a railroad sign which bears the letters "KEERAN", 30 feet southwest of the center line of the road, 6.4 feet southwest of the southwest post in the more northeasterly of two gates, 1 foot southeast of a fence, 56.3 feet southwest and across the road from bench mark N 697, 0.8 foot southwest of a metal witness post, about 2 feet below the level of the track, and on the top of a copper coated rod which is level with the surface of the ground and is protected by a 5-inch metal pipe which projects 1 inch. The rod was driven to refusal at a depth of 78 feet.

RECOVERY NOTE, BENCH MARK

QUAD 280964

R

Designation X 695 State Texas County Victoria
Nearest town La Salle Described in 240
Distance and direction from nearest town 2.05 miles southwest
Character of mark A C&GS BM Disk Established by C&GS
Also horizontal control point ☐ Present condition Good

feet of corner of 1/4, SEC .T .R
Detailed report: About 2.05 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, 0.15 mile northeast of milepost 234, set in the top of the south corner of the southeast end of the upper portion of the southwest concrete pier of railroad bridge number 234-1 over Garcitas Creek which is the Victoria Jackson County line, 39.0 feet northeast of the southwest end of the bridge, 8 feet southeast of the southeast rail of the track, and about 6 feet below the level of the track.

RECOVERY NOTE, BENCH MARK

QUAD 280964

R

Designation N 697 State Texas County Victoria
Nearest town La Salle Described in 240
Distance and direction from nearest town 3.8 miles southwest
Character of mark A C&GS BM Disk Established by C&GS
Also horizontal control point ☐ Present condition Good

feet of corner of 1/4, SEC .T .R
Detailed report: About 3.8 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, at a crossing of the railroad and a private road, 0.4 mile northeast of milepost 232, 114 yards southwest of a railroad sign which bears the letters "KEERAN", 46 feet northwest and across a sidetrack from the northwest rail of the main track, 23 1/2 feet northeast of the center line of the road, 1 1/2 feet southeast of a fence, 56.3 feet northeast and across the road from bench mark A 1192, 1.6 feet southeast of a metal witness post, about 2 feet below the level of the track, and set in the top of a concrete post which projects 3 inches.

Recovered as Described 1973

DESCRIPTION OF BENCH MARK

QUAD 280964

Designation E 1192 State Texas County Jackson
Nearest town La Salle County Jackson
Distance and direction from nearest town 1.65 miles southwest
Character of mark A C&GS BM Disk
Established by National Geodetic Survey
Detailed description

About 1.65 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, 0.45 mile southwest of milepost 235, 0.4 mile northeast of the railroad bridge over Garcitas Creek, set in the top of the southeast end of the northeast concrete abutment of a 350-foot railroad bridge number 234-4 over a branch of Garcitas Creek, 7 1/2 feet southeast of the southeast rail of the track, and about level with the track.

RECOVERY NOTE, BENCH MARK

QUAD 280964

R

Designation V 762 State Texas County Jackson
Nearest town La Salle Described in 240
Distance and direction from nearest town 1.2 miles southwest
Character of mark A C&GS BM Disk Established by C&GS
Also horizontal control point ☐ Present condition Good

feet of corner of 1/4, SEC .T .R
Detailed report: About 1.2 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, 88 1/2 feet south-southwest and across the track from milepost 235, 77 feet northwest of the center line of Farm-to-Market Road 616, 41 feet southeast of the southeast rail of the track, 1.0 foot northwest of a metal witness post, about 1/2 foot below the level of the track, and set in the top of a concrete post which projects 1 inch.

NOTE: The concrete on the southwest and southeast sides of the post is chipped but the mark appears solid.

RECOVERY NOTE, BENCH MARK

QUAD 280964

R

Designation W 695 State Texas County Victoria
Nearest town La Salle Described in 240
Distance and direction from nearest town 3.2 miles southwest
Character of mark A C&GS BM Disk Established by C&GS
Also horizontal control point ☐ Present condition Good

feet of corner of 1/4, SEC .T .R
Detailed report: About 3.2 miles southwest along the Missouri Pacific Railroad from the crossing of a paved road at La Salle, about 1.15 miles southwest of the railroad bridge over Garcitas Creek, 93 feet southeast and across the track from milepost 233, 45 1/2 feet southeast of the southeast rail of the track, 61 1/2 feet northwest of the center line of Farm-to-Market Road 616, 121 yards southwest of a pipeline which crosses the track, 1.0 foot northwest of a metal witness post, about 2 feet below the level of the track, and set in the top of a concrete post which projects 8 inches.

counter 46163

Jackson Co Rld Sk 13

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280964 PAGE NO. 47
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE NH 14-12

LINE 111

V 597.-- In Victoria County, 7.5 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 10.0 miles east of Placedo, Victoria County, at the end of the graded part of the road (in 1942), 18 feet north of the center line of the road, 3 feet east of a white wooden witness post, and in a fence line. A standard disk, stamped "V 597 1942" and set in the top of a concrete post projecting 0.5 foot above ground.

R.M. 1 Wilson.-- 6.4 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 0.35 mile southwest of triangulation station Wilson described above, 0.5 mile north of a road intersection, 410 feet southeast of a small house, 28 feet southwest of the center line of the road, and 2.5 feet west of a fence corner. A standard reference-mark disk, stamped "WILSON NO 1 1931" and set in the top of a concrete post projecting 0.5 foot above ground.

DESCRIPTION OF BENCH MARK

Designation W 597 RESET 1958	State Texas	County Calhoun
Nearest town Port Lavaca	County	Chief of party
Distance and direction from nearest town 5.7 miles north		Leveling date 1958
Character of mark a standard disk		Stamping W 597 RESET 1958
Established by Texas Highway Dept.		
Detailed description		

Wilson.-- 6.8 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, at the Calhoun-Victoria county line, 33 feet east of the center line of the road, 10 feet north of the edge of a drainage ditch, 18 feet east of a fence, 3 feet south of a white wooden witness post, and level with the road. A standard triangulation-station disk, stamped "WILSON 1931" and set in the top of a concrete post projecting 0.5 foot above ground.

5.7 miles north along Farm-to-market Highway 1090 from the Texas and New Orleans Railroad station at Port Lavaca, 40 feet east of centerline of the highway, set in the south end of a concrete side roadculvert at a road intersection, and set flush with the top of the culvert headwall.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 655-A

RECOVERY NOTE, BENCH MARK

Designation X 597	State Texas	County Calhoun
Nearest town Port Lavaca	County Calhoun	NOV. 1950
Distance and direction from nearest town 4.8 miles northwest		Stamping X 597 1942
Character of mark A bench mark disk		
Established by U.S. Coast and Geodetic Survey		
Present condition Good		

Detailed report 4.8 miles northwest along Farm Road 234 from the Texas and New Orleans Railroad station at Port Lavaca, at a schoolhouse, 68 feet east of the east corner of the schoolhouse, 38 feet southwest of the center line of Farm Road 234, 49 feet northwest of the center line of a northeast and southwest road, 6 feet northwest of a telephone pole, set in the top of a concrete post which projects 0.5 foot above the ground.

R.M. 2 Wilson.-- 129.1 feet northeast of triangulation station Wilson described above, 143.5 feet northwest of a fence corner, 19 feet southwest of the center line of the road, and 1 foot southwest of a fence. A standard reference-mark disk, stamped "WILSON NO 2 1931" and set in the top of a concrete post projecting 0.5 foot above ground.

R

counter 46164

55

SEPTEMBER 1973

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

VERTICAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
SEA-LEVEL DATUM OF 1929

QUAD 280954 PAGE NO. 48
TEXAS
LATITUDE 28°30' TO 29°00'
LONGITUDE 96°30' TO 97°00'
DIAGRAM BEEVILLE IN 14-12

DESCRIPTION OF BENCH MARK

Designation Y 597 Reset 1946 State Texas County Calhoun
Nearest town Port Lavaca
Distance and direction from nearest town 3.7 miles northwest NOV. 1950
Character of mark A bench mark disk Stamping Y 597 RESET 1946
Established by U.S. Coast and Geodetic Survey
Detailed description 3.7 miles northwest along Farm Road 234 from the Texas and New Orleans
Railroad station at Port Lavaca, 85.5 feet north of the north corner of a wooden
bridge over a drainage ditch, 41 feet northeast of the center line of the road,
46 feet northwest of a small grass covered knoll, 3.6 feet northwest of a witness
post, set in the top of a concrete post which projects 0.6 foot above the ground.

DESCRIPTION OF BENCH MARK

Designation B 598 Reset 1946 State Texas County Calhoun
Nearest town Port Lavaca
Distance and direction from nearest town 0.8 mile northwest
Character of mark A bench mark disk Stamping B 598 RESET 1946
Established by U.S. Coast and Geodetic Survey
Detailed description 0.8 mile northwest along Farm Road 234 from the Texas and New Orleans
Railroad station at Port Lavaca, 57 feet northwest of the west corner of a house,
40 feet northeast of the center line of the road, 3 feet northwest of a power pole
which is at the junction of two power lines, 1 foot southwest of a fence, 3.8
feet southeast of a witness post, set in the top of a concrete post which projects
0.6 foot above the ground.

DESCRIPTION OF BENCH MARK

Designation Z 597 Reset 1946 State Texas County Calhoun
Nearest town Port Lavaca
Distance and direction from nearest town 2.8 miles northwest
Character of mark A bench mark disk Stamping Z 597 RESET 1946
Established by U.S. Coast and Geodetic Survey
Detailed description 2.8 miles northwest along Farm Road 234 from the Texas and New Orleans
Railroad station at Port Lavaca, 61 feet west of the west corner of an old house,
40 feet northeast of the center line of the road, 14 feet northwest of the center
line of a private driveway, 2.4 feet southeast of a power pole, 1 foot southwest
of a fence, 3.4 feet southeast of a witness post, set in the top of a concrete
post which projects 0.8 foot above the ground.

DESCRIPTION OF BENCH MARK

Designation A 598 Reset 1946 State Texas County Calhoun
Nearest town Port Lavaca
Distance and direction from nearest town 1.8 miles northwest
Character of mark A bench mark disk Stamping A 598 RESET 1946
Established by U.S. Coast and Geodetic Survey
Detailed description 1.8 miles northwest along Farm Road 234 from the Texas and New Orleans
Railroad station at Port Lavaca, 40 feet southwest of the center line of the road,
14 feet southeast of a telephone pole, 1 foot northeast of a fence, 3.6 feet
southeast of a witness post, set in the top of a concrete post which projects
0.8 foot above the ground.

UNITED STATES COAST AND GEODETIC SURVEY
Second-order leveling

Palacios Area, Texas

Standard (adjusted) elevations based on the Sea-level Datum of 1929.

This area is bounded by the Gulf of Mexico; and by first-order leveling extending northward from Matagorda to Bay City; southward from Bay City through Blessing, Francitas and La Ward to Placido; and southward from Placido to Port Lavaca. The area includes leveling over the following lines:

Line	Title	Page
1--	Buckeye to 3 Mi. E of Simpsonville.	1
2--	3 Mi. E of Simpsonville to 5 Mi. N of Matagorda	2
3--	Blessing to Camp Hulen.	3
4--	3 Mi. E of Simpsonville to 6 Mi. N of Placios.	4
5--	Simpsonville via Oyster Lake to Matagorda Bay.	5
6--	3 Mi. S of Simpsonville to 5.2 Mi. E of Citrus Grove	5
7--	Camp Hulen to 8 Mi. W of Camp Hulen	5
8--	8 Mi. W of Camp Hulen to Junction of State Highways 36 and 172	6
9--	Junction of State Highways 36 and 172 to Olivia	6
10--	8 Mi. W of Camp Hulen to 2 Mi. S of El Campo Club	6
11--	Francitas to 8 Mi. W of Camp Hulen.	7
12--	La Ward to Junction of State Highways 36 and 172	7
13--	Junction of State Highways 36 and 172 to Port Lavaca.	8
14--	3.7 Mi. SE of Placido to Port Lavaca.	8

The original field work was done from December 9, 1941, to February 5, 1942, by a party under the supervision of E.M. Sheridan. The portion of Line 13 from a point 17.2 miles west of Palacios to Port Lavaca was relevelled in February 1943 by a party under the supervision of Chester J. Peyma. The portion of Line 14 from a point 4.8 miles northwest of Port Lavaca to Port Lavaca was relevelled in November 1950 by a party under the supervision of Robert C. Darling. The elevations given for the portion relevelled in 1943 are derived from a combination of the two levelings; the elevations for the portion relevelled in 1950 are derived from the releveling.

This list SUPERSEDES a card-plate list dated October 21, 1942 (Reprinted February 21, 1946) (Reprinted September 19, 1949); and contains additional data from the releveling of 1950, and from reports received since that list was issued.

For tidal bench marks included in this list, elevations with respect to local tidal datum planes are available on request to The Director, U.S. Coast and Geodetic Survey, Washington 25, D.C.

Line 1--Buckeye to 3 Mi. E of Simpsonville

This line follows the county canal road south from Buckeye to a point 3 miles east of Simpsonville.

For additional bench marks in the vicinity of Buckeye, see "Clenville Area, Texas--Line 1 (60 Texas)" and "Sinton, Tex., to New Orleans, La. (240 Texas)."

A 581.-- 0.8 mile south along a shell road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, thence 0.2 mile west along a dirt road; 70 feet south of a concrete-pipe culvert, 25 feet southeast of the center line of the dirt road, 3 feet northwest of a fence corner, and 3 feet south of a white wooden witness post. A standard disk, stamped "A 581 1941" and set in the top of a concrete post projecting 0.7 foot above ground. (12.622 meters or 41.411 feet.)

B 581.-- 0.8 mile south along a shell road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, thence 1.8 miles southwest along a dirt road; 0.3 mile south of a curve, 60 feet south of a small wooden culvert on a small drainage ditch, 3.3 feet east of the center line of the road, 7.8 feet east of the right-of-way fence, 3.3 feet south of the road, 1.1 feet south of a white wooden witness post, and about 1 1/2 foot lower than the road. A standard disk, stamped "B 581 1941" and set in the top of a concrete post projecting 1 foot above ground. (10.109 meters or 33.163 feet.)

C 581.-- 3.2 miles southwest along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, 0.3 mile south of a road intersection, 36 feet west of the center line of the road, 3 feet west of a fence, 3 feet north of a white wooden witness post, and about 1 foot higher than the road. A standard disk, stamped "C 581 1941" and set in the top of a concrete post projecting 0.6 foot above ground. (12.007 meters or 39.393 feet.)

D 581.-- 4.2 miles southwest along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, 0.3 mile west of the canal, 0.1 mile south of a tree, 30 feet west of the center line of the road, 7 feet west of a fence, 3 feet north of a white wooden witness post, and level with the road. A standard disk, stamped "D 581 1941" and set in the top of a concrete post projecting 0.8 foot above ground. (12.469 meters or 40.909 feet.)

E 581.-- 5.2 miles southwest along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, 0.4 mile south of a sharp curve, 40 feet east of the center line of the road, 21 feet west of the edge of the canal, 3 feet south of a white wooden witness post, and about 3 feet higher than the road. A standard disk, stamped "E 581 1941" and set in the top of a concrete post projecting 0.5 foot above ground. (11.474 meters or 37.644 feet.)

F 581.-- 6.2 miles southwest along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, 0.1 mile south of a sharp curve, 300 feet south of a wooden bridge, 36 feet west of the center line of the road, 4 feet west of a fence, 3 feet north of a white wooden witness post, and level with the road. A standard disk, stamped "F 581 1941" and set in the top of a concrete post projecting 0.6 foot above ground. (10.633 meters or 34.885 feet.)

G 581.-- 7.3 miles southwest along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, at a road intersection, 30 feet west of the center line of the main road, 6 feet south of a south gatepost, 3 feet south of a white wooden witness post, 2 feet west of a fence, and level with the road. A standard disk, stamped "G 581 1941" and set in the top of a concrete post projecting 0.6 foot above ground. (10.847 meters or 35.587 feet.)

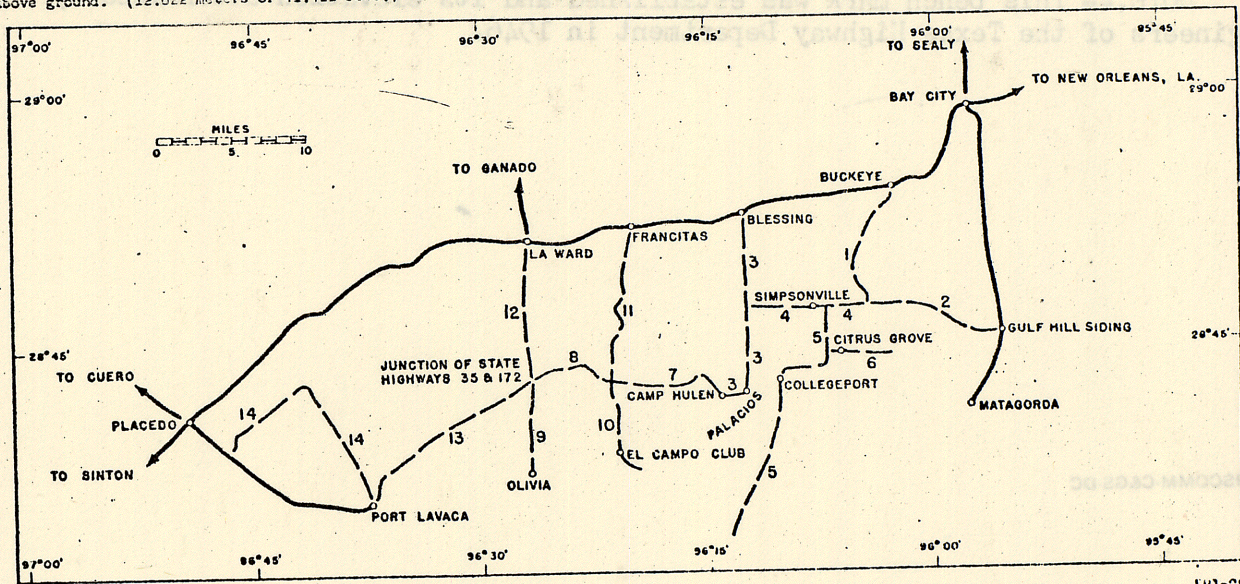
H 581.-- Destroyed prior to April 1949.

J 581.-- 9.3 miles south along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, 115 feet east of the intersection of a road leading east to Gulf Hill, at a concrete culvert on the canal, in the top of the west end of the north headwall, 18 feet north of the center line of the road, and about 1 foot higher than the road. A standard disk, stamped "J 581 1941." (9.524 meters or 31.247 feet.)

T.B.M. 6.-- 9.3 miles south along the county canal road from the St. Louis, Brownsville and Mexico Railway station at Buckeye, Matagorda County, at the intersection of the road leading east to Gulf Hill, at a concrete bridge on the canal, and on the top of the east end of the south abutment. A chiseled square. (9.511 meters or 31.204 feet.)

For additional bench marks in this locality, see Lines 2 and 4 of this list.

End of Line 1.



DATA ON RESET BENCH MARKSLine 11 (con.)

A 596 RESET.-- 2.2 miles southwest along a shell road from the St. Louis, Brownsville & Mexico Railway from the station at Francitas, Jackson County, thence 1.9 miles south along a dirt road, thence 1.7 miles southeast along a shell road, by a deep ditch, and thence 4.2 miles southwest along Farm-to-market Highway 1862; 1 mile northeast of State Highway, 63 feet northwest of the centerline of the highway, and 3 feet northwest of the right-of-way fence. A standard disk, stamped "A 596 RESET 1954" and set in the top of a concrete post. Elevation: 17.050 feet.

NOTE.-- This bench mark was established and its elevation determined by engineers of the Texas Highway Department in October 1954.

Line 13

S 596 RESET.-- 7.4 miles east along State Highway 35 from the post office at Fort Lavaca, Calhoun County, 19.8 miles west of Palacios, 0.2 mile west of a bridge over a Creek, at the intersection of Farm-to-market Highway 2143, 70 feet south of the centerline of State Highway 35, and 140 feet east of the centerline of FM 2143. A standard disk, stamped "S 596 RESET 1954" and set in the top of a concrete post projecting 0.5 foot above ground. Elevation: 16.234 feet.

NOTE.-- This bench mark was established and its elevation determined by engineers of the Texas Highway Department in October 1954.

Line 14

W 597 RESET.-- 5.7 miles north along Farm-to-market Highway 234 from the Texas & New Orleans Railroad station at Fort Lavaca, Calhoun County, at a road intersection, 40 feet east of the centerline of the highway, 21 feet south of the centerline of the cross road, and 3 feet south of a white wooden witness post. A standard disk, stamped "W 597 RESET 1946" and set in the top of a concrete post projecting 0.5 foot above ground. Same elevation: 27.969 feet.

NOTE.-- This bench mark was established and its elevation determined by engineers of the Texas Highway Department in 1946.

USCOMM-C&GS-DC

-8

South end of the west headwall, 18 feet west of the center line of the highway, and about 1/2 foot higher than the highway. A standard disk, stamped "C 597 1942." (8.485 meters or 27.879 feet.)

D 597.-- 6.3 miles north along State Highway 172 from the St. Louis, Brownsville and Mexico Railway station at La Ward, Jackson County, 0.1 mile north of the junction of the highway leading to a farmhouse, 45 feet west of the center line of the highway, 12 feet south of a fence corner, 1 foot west of the fence, 3 feet north of a white wooden witness post, and level with the highway. A standard disk, stamped "D 597 1942" and set in the top of a concrete post projecting 0.7 foot above ground. (8.129 meters or 26.684 feet.)

E 597.-- 7.3 miles south along State Highway 172 from the St. Louis, Brownsville and Mexico Railway station at La Ward, Jackson County, 1.0 mile north of the junction of State Highway 35, 30 feet north of a gate in the right-of-way fence, at a large concrete culvert under the highway, in the top of the south end of the west headwall, 18 feet west of the center line of the highway, and level with the highway. A standard disk, stamped "E 597 1942." (8.049 meters or 26.407 feet.)

T.A.M. 2 D.-- 8.3 miles south along State Highway 172 from the St. Louis, Brownsville and Mexico Railway station at La Ward, Jackson County, at the junction of State Highway 35, 36 feet south of the center line of State Highway 35, 15 feet west of the center line of State Highway 172, at a 3- by 3-foot concrete-box culvert under State Highway 172, and on the top of the west headwall. A chiseled square. (7.354 meters or 24.127 feet.)

For additional bench marks in the vicinity of the junction of State Highways 35 and 172, see Lines 8, 9 and 13 of this list.

End of Line 12.

Line 13--Junction of State Highways 35 and 172 to Port Lavaca

This line follows State Highway 35 from the junction of State Highway 172 about 8.3 miles south of La Ward to Port Lavaca.

For additional bench marks in the vicinity of the junction of State Highways 35 and 172, see Lines 8, 9 and 12 of this list.

N 596.-- 1.0 mile west along State Highway 35 from the junction of State Highway 172 about 8.3 miles south of La Ward, Jackson County, 0.2 mile west of the junction of a driveway leading to a farmhouse, 52 feet south of the center line of the highway, 2 feet west of a fence corner, 1 foot south of the highway. A standard disk, stamped "N 596 1942" and set in the top of a concrete post projecting 0.5 foot above ground. (4.919 meters or 16.158 feet.)

P 596.-- 2.1 miles west along State Highway 35 from the junction of State Highway 172 about 8.3 miles south of La Ward, Jackson County, at the junction of a road leading north to Taler Ranch, 55 feet northeast of the center line of the highway, 51 feet north of the center line of the highway, 4 feet west of a white wooden witness post, and level with the highway. A standard disk, stamped "P 596 1942" and set in the top of a concrete post projecting 0.4 foot above ground. (5.762 meters or 18.904 feet.)

Q 596.-- In Calhoun County, 3.0 miles west along State Highway 35 from the junction of State Highway 172 about 8.3 miles south of La Ward, Jackson County, 0.6 mile southwest of the Calhoun-Jackson County line, 54 feet north of the center line of the highway, 3 feet west of a white wooden witness post, and 0.5 foot west of the right-of-way fence. A standard disk, stamped "Q 596 1942" and set in the top of a concrete post projecting 0.4 foot above ground. (7.654 meters or 25.111 feet.)

R 596.-- In Calhoun County, 4.0 miles west along State Highway 35 from the junction of State Highway 172 about 8.3 miles south of La Ward, Jackson County, 590 feet east of a state highway sign, 60 feet north of the center line of the highway, 3 feet east of a white wooden witness post, in the right-of-way fence line, and level with the highway. A standard disk, stamped "R 596 1942" and set in the top of a concrete post projecting 0.4 foot above ground. (7.246 meters or 23.773 feet.)

**

S 596.-- In Calhoun County, 4.7 miles west along State Highway 35 from the junction of State Highway 172 about 8.3 miles south of La Ward, Jackson County, 7.4 miles east of Port Lavaca, Calhoun County, 0.2 mile east of a bridge over a small creek, at the intersection of a road leading south, 63 feet south of the center line of the highway, at a 3- by 3-foot concrete-box culvert under the side road, and in the top of the east headwall. A standard disk, stamped "S 596 1942." (4.638 meters or 15.237 feet.)

T 596.-- 6.4 miles east along State Highway 35 from Port Lavaca, Calhoun County, 51 feet south of the center line of the highway, 27 feet southwest of a tree at the edge of the pavement, 4 feet east of a white wooden witness post, 1 foot south of the right-of-way fence, and about 1-1/2 feet lower than the highway. A standard disk, stamped "T 596 1942" and set in the top of a concrete post projecting 0.4 foot above ground. (5.707 meters or 18.724 feet.)

U 596.-- 5.4 miles east along State Highway 35 from Port Lavaca, Calhoun County, 1.2 mile northeast of the edge of Lavaca Bay, 51 feet south of the center line of the highway, 40 feet southwest of a tree at the edge of the pavement, 2 feet east of the first power pole east of a transformer yard, 4 feet east of a white wooden witness post, 1 foot south of the right-of-way fence, and about 1 foot lower than the highway. A standard disk, stamped "U 596 1942" and set in the top of a concrete post projecting 0.5 foot above ground. (6.435 meters or 21.112 feet.)

** RESET - See end of this list.

V 596.-- 4.9 miles east along State Highway 35 from Port Lavaca, Calhoun County, at the junction of a road leading to Lavaca Bay, 57 feet east of the center line of the road, 54 feet north of the center line of the highway, 3 feet west of a white wooden witness post, and 2 feet south of the right-of-way fence. A standard disk, stamped "V 596 1942" and set in the top of a concrete post projecting 0.6 foot above ground. (1.951 meters or 6.401 feet.)

T.H.M. 1 - Tidal bench mark.-- 3.0 miles east along State Highway 35 from the post office at Port Lavaca, Calhoun County, 179 feet west of the southeast corner of the Sanouille house, and in Lavaca Bay Causeway, 110 feet east of the center line, and in the top of the south concrete curb of the causeway. A standard disk, stamped "T.H.M. 1 1925." (4.538 meters or 14.888 feet.)

Tidal 1.-- 1.9 miles northeast along State Highway 35 from the post office at Port Lavaca, Calhoun County, 0.1 mile southwest of the southwest end of Lavaca Bay Causeway, 50.4 feet northwest of the center line of the highway, 27.5 feet northeast of the center line of a private road on the property of John Garner, and in Lavaca, 3 feet northeast of a white wooden witness post, and in the right-of-way fence line. A standard disk, stamped "T.H.M. 1 1925" and set in the top of a concrete post projecting 0.1 foot above ground. (1.601 meters or 5.254 feet.)

Tidal 2.-- 1.9 miles northeast along State Highway 35 from the post office at Port Lavaca, Calhoun County, 0.1 mile southwest of the southwest end of Lavaca Bay Causeway, 146 feet northwest of the center line of the highway, 8 feet west of the center line of a private road on the property of John Garner, and 3 feet south of a white wooden witness post. A standard disk, stamped "T.H.M. 2 1925" and set in the top of a concrete post flush with the ground. (2.329 meters or 7.641 feet.)

W 596 - Tidal bench mark.-- 0.8 mile north along State Highway 35 from the post office at Port Lavaca, Calhoun County, at a 4- by 4-foot concrete-box culvert under the highway, in the top of the south end of the west headwall, 15 feet west of the center line of the highway, and level with the highway. A standard disk, stamped "W 596 1942." (4.233 meters or 13.888 feet.)

For additional bench marks in the vicinity of Port Lavaca, see "Rockport Area, Texas--Lines 1 and 3 (245 Texas)," "Sinton, Tex., to New Orleans, La. (240 Texas)" and line 14 of this list.

End of Line 13.

Line 14--3.7 MI. SE of Placedo to Port Lavaca

This line follows a graded road from a point about 4 miles southeast of Placedo to Port Lavaca.

For additional bench marks in the vicinity of 4 miles southeast of Placedo, see "Sinton, Tex., to New Orleans, La. (240 Texas)."

Q 597.-- 4.7 miles east of Placedo, Victoria County. This bench mark may be reached from the crossing of the St. Louis, Brownsville and Mexico Railway by going 3.7 miles southeast along U.S. Highway 87, thence 1.0 mile northeast along a gravel road (the Lake Placedo road). It is 0.5 mile northeast of a curve in the road, 36 feet southeast of the center line of the road, 3 feet southeast of a fence, and 3.4 feet southeast of a white wooden witness post. A standard disk, stamped "Q 597 1942" and set in the top of a concrete post projecting 0.8 foot above ground. (12.810 meters or 42.027 feet.)

R 597.-- Destroyed prior to April 1952.

S 597.-- 6.9 miles east of Placedo, Victoria County. This bench mark may be reached from the crossing of the St. Louis, Brownsville and Mexico Railway by going 3.7 miles southeast along U.S. Highway 87, thence 3.2 miles northeast along a gravel road. It is 240 feet west of a farmhouse, 20 feet south of the center line of the road, 8 feet east of a fence corner in a barn lot, 3 feet west of a white wooden witness post. A standard disk, stamped "S 597 1942" and set in the top of a concrete post projecting 0.5 foot above ground. (10.793 meters or 35.410 feet.)

T 597.-- Destroyed prior to May 1951.

U 597.-- 9.0 miles east of Placedo, Victoria County. This bench mark may be reached from the crossing of the St. Louis, Brownsville and Mexico Railway by going 3.7 miles southeast along U.S. Highway 87, thence 5.3 miles northeast along a gravel road. It is at the junction of a driveway leading to a house, 26 feet north of the center line of the road, 15 feet west of the center line of the driveway, 3 feet east of a white wooden witness post, and 2 feet north of a fence. A standard disk, stamped "U 597 1942" and set in the top of a concrete post projecting 0.2 foot above ground. (8.834 meters or 29.311 feet.)

V 597.-- In Victoria County, 7.5 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 10.0 mile east of Placedo, Victoria County, at the end of the graded part of the road (in 1942), 18 feet north of the center line of the road, 3 feet east of a white wooden witness post, and in a fence line. A standard disk, stamped "V 597 1942" and set in the top of a concrete post projecting 0.5 foot above ground. (9.685 meters or 31.775 feet.)

Wilson.-- 6.8 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, at the Calhoun-Victoria county line, 73 feet east of the center line of the road, 10 feet north of the edge of a drainage ditch, 18 feet east of a fence, 3 feet south of a white wooden witness post, and level with the road. A standard triangulation station disk, stamped "W13011 1931" and set in the top of a concrete post projecting 0.5 foot above ground. (6.454 meters or 21.341 feet.)

R.M. 2 Wilson.-- 120.1 feet northeast of triangulation station Wilson described above, 181.5 feet northwest of a fence corner, 19 feet southwest of the center line of the road, and 1 foot

END-22

UNITED STATES COAST AND GEODETIC SURVEY
Second-order leveling

Southwest of a fence. A standard reference-mark disk, stamped "WILSON NO 2 1931" and set in the top of a concrete post projecting 0.5 foot above ground. (9.117 meters or 29.911 feet.)

R.M. 1 Wilson.-- 6.4 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 0.25 mile southwest of triangulation station Wilson described above, 0.5 mile north of a road intersection, 410 feet southeast of a small house, 28 feet northwest of the center line of the road, and 2.5 feet west of a fence corner. A standard reference-mark disk, stamped "WILSON NO 1 1931" and set in the top of a concrete post projecting 0.5 foot above ground. (8.778 meters or 28.799 feet.)

** W 597.-- 6.0 miles north along a graded road from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, at a road intersection, 30 feet east of the center line of the north-and-south road, 26 feet south of the center line of the east-and-west road, 6 feet south of a powerline pole, and 3 feet south of a white wooden witness post. A standard disk, stamped "W 597 1942" and set in the top of a concrete post projecting 0.5 foot above ground. (8.525 meters or 27.969 feet.)

X 597.-- 4.8 miles northwest along Farm Road 234 from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, at a schoolhouse, at a road intersection, 68 feet east of the east corner of the schoolhouse, 49 feet northwest of the center line of the north-and-south road, 38 feet northwest of a of the center line of Farm Road 234, and 6 feet northwest of a telephone pole. A standard disk, stamped "X 597 1942" and set in the top of a concrete post projecting 0.5 foot above ground. (7.726 meters or 25.348 feet.)

Y 597 RESET.-- 3.7 miles northwest along Farm Road 234 from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 85.5 feet north of the north corner of a wooden bridge over a drainage ditch, 41 feet northeast of the center line of the road, 46 feet northwest of a small grass-covered knoll, and 3.6 feet northwest of a white wooden witness post. A standard disk, stamped "Y 597 RESET 1946" and set in the top of a concrete post projecting 0.6 foot above ground. (7.142 meters or 23.432 feet.)

NOTE--This bench mark was established by engineers of the Texas State Highway Department in 1946. The elevation is derived from first-order leveling by this Bureau in November 1950.

Z 597 RESET.-- 2.8 miles northwest along Farm Road 234 from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 61 feet west of the west corner of the old house, at the junction of a private driveway, 40 feet northeast of the center line of the road, 14 feet northwest of the center line of the driveway, 2.4 feet southeast of a power pole, 1 foot northwest of a fence, and 3.4 feet southeast of a white wooden witness post. A standard disk, stamped "Z 597 RESET 1946" and set in the top of a concrete post projecting 0.8 foot above ground. (6.744 meters or 22.126 feet.)

NOTE--This bench mark was established by engineers of the Texas State Highway Department in 1946. The elevation is derived from first-order leveling by this Bureau in November 1950.

A 598 RESET.-- 1.8 miles northwest along Farm Road 234 from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 40 feet southwest of the center line of the road, 14 feet southeast of a telephone pole, 1 foot northeast of a fence, and 3.6 feet southeast of a white wooden witness post. A standard disk, stamped "A 598 RESET 1946" and set in the top of a concrete post projecting 0.8 foot above ground. (5.726 meters or 18.786 feet.)

NOTE--This bench mark was established by engineers of the Texas State Highway Department in 1946. The elevation is derived from first-order leveling by this Bureau in November 1950.

B 598 RESET.-- 0.8 mile northwest along Farm Road 234 from the Texas and New Orleans Railroad station at Port Lavaca, Calhoun County, 57 feet northwest of the west corner of a house, 40 feet northeast of the center line of the road, 3 feet northwest of a power pole which is at the junction of two powerlines, 1 foot of a power pole of a fence, and 3.8 feet southeast of a white wooden witness post. A standard disk, stamped "B 598 RESET 1946" and set in the top of a concrete post projecting 0.6 foot above ground. (5.249 meters or 17.221 feet.)

NOTE--This bench mark was established by engineers of the Texas State Highway Department in 1946. The elevation is derived from first-order leveling by this Bureau in November 1950.

C 598.-- At Port Lavaca, Calhoun County, on the Texas and New Orleans Railroad, 81 feet west of the west side of the station, 30 feet southwest of the center line of the track, 6 feet east of a telephone pole, 3 feet west of a white wooden witness post, and level with the track. A standard disk, stamped "C 598 1942" and set in the top of a concrete post projecting 0.4 foot above ground. (6.076 meters or 19.934 feet.)

Port Lavaca, on the Texas and New Orleans Railroad, top of north rail of the main track opposite the station. (20.1 feet.)

For additional bench marks in the vicinity of Port Lavaca, see "Rockport Area, Texas--Lines 1 and 2 (215 Texas)," "Sinton, Tex., to New Orleans, LA. (240 Texas)" and Line 13 of this list.

End of Line 13.

See page 10 for RESET data.

* Reported in December 1957 that this mark will be reset.

USCOMM-C&GS-DC

Jackson Co. Rld. Sk. #13

counter 46169

Ayres
Geo C. Ayres - Houston -
9 Jan

Garcitas Creek Mouth Area
Photos taken

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150 Acres
June 3

National Bank of Commerce
General Bennett - Owner
CA 7-1213 San Antonio
Bill James - Foreman