

STATE OF TEXAS § Gradient Boundary
 COUNTIES § Left Bank of Canadian River
 OF §
 HUTCHINSON AND §
 ROBERTS §

L32	N	18°52'53"	E	51.03
L33	N	48°31'03"	E	36.13
L34	N	71°38'03"	E	44.83
L35	N	13°38'43"	E	36.35
L36	N	14°10'54"	W	57.30
L37	N	10°08'18"	E	32.80
L38	N	65°49'04"	E	32.50
L39	S	74°02'26"	E	29.01
L40	S	82°21'53"	E	38.66
L41	N	24°36'55"	E	53.35
L42	N	29°53'51"	E	55.17
L43	N	13°34'50"	E	44.20
L44	N	11°00'29"	E	83.37
L45	N	10°02'08"	E	41.78
L46	N	20°48'27"	E	52.50
L47	N	51°51'34"	E	24.49
L48	N	73°26'49"	E	20.61
L49	N	63°50'15"	E	62.35
L50	N	45°11'18"	E	38.21
L51	N	44°41'47"	E	87.63
L52	N	15°59'59"	E	49.75
L53	N	09°05'29"	W	42.52
L54	N	15°44'19"	W	40.66
L55	N	05°23'34"	W	52.79
L56	N	49°25'29"	E	35.88
L57	N	04°37'09"	W	48.02
L58	N	24°59'06"	W	22.32
L59	N	23°29'21"	W	30.64
L60	N	05°44'44"	E	33.18
L61	N	19°48'36"	E	35.61
L62	N	30°49'54"	E	34.88
L63	N	13°01'22"	E	35.38
L64	N	15°37'04"	E	39.67
L65	N	04°53'22"	W	25.29
L66	N	38°27'00"	W	77.25
L67	N	06°06'49"	W	26.53
L68	N	44°48'34"	E	18.08
L69	N	83°49'57"	E	20.53
L70	N	21°51'40"	E	59.31
L71	N	20°43'35"	E	59.64
L72	N	32°49'51"	E	96.94
L73	N	15°20'47"	E	65.16
L74	N	07°55'39"	W	73.64
L75	N	01°00'42"	E	34.22
L76	N	25°26'28"	E	23.02
L77	N	66°59'55"	E	38.70
L78	S	71°27'13"	E	28.57
L79	N	75°48'24"	E	90.43
L80	N	40°50'59"	E	41.27
L81	N	24°02'03"	W	46.06
L82	N	48°25'14"	W	37.22
L83	N	14°43'43"	E	43.36
L84	N	34°13'21"	E	23.64
L85	N	84°34'16"	E	79.11
L86	N	24°02'19"	E	63.18
L87	N	17°36'30"	W	54.40
L88	N	44°21'21"	W	27.72
L89	N	23°12'36"	E	37.84
L90	S	85°27'50"	E	26.51
L91	S	51°56'49"	E	22.49
L92	N	56°40'45"	E	27.45

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L93	N	21°41'42"	E	37.98
L94	N	12°55'30"	W	42.72
L95	N	44°06'31"	W	66.27
L96	N	13°04'55"	W	20.89
L97	N	34°34'42"	E	44.36
L98	S	70°42'59"	E	24.76
L99	N	63°37'19"	E	70.91
L100	N	41°42'48"	E	85.79
L101	N	33°23'00"	E	26.64
L102	N	16°19'56"	W	49.58
L103	N	49°54'56"	W	33.33
L104	N	09°56'52"	E	45.45
L105	N	30°20'14"	E	29.41
L106	N	57°50'55"	E	52.97
L107	S	66°20'47"	E	72.85
L108	N	69°56'37"	E	83.43
L109	N	44°38'06"	E	110.38
L110	N	64°23'26"	E	73.56
L111	N	87°15'54"	E	48.86
L112	N	15°48'02"	E	76.60
L113	N	46°02'45"	E	93.56
L114	N	66°14'52"	E	69.86
L115	N	37°00'37"	E	50.03
L116	N	24°27'14"	E	40.16
L117	N	21°23'46"	W	48.48
L118	N	42°07'29"	E	54.37
L119	N	67°15'24"	E	77.57
L120	N	48°40'30"	E	61.78
L121	N	33°48'23"	E	128.87
L122	N	20°04'56"	E	90.18
L123	N	39°14'24"	E	33.22
L124	N	63°08'02"	E	51.97
L125	N	53°07'23"	E	100.46
L126	N	81°23'04"	E	55.93
L127	S	79°48'04"	E	30.91
L128	N	75°50'12"	E	73.03
L129	N	50°36'15"	E	91.97
L130	N	70°42'36"	E	29.75
L131	N	57°09'03"	E	49.16
L132	N	28°48'20"	E	47.60
L133	N	76°06'23"	E	14.60
L134	N	06°33'22"	W	39.25
L135	N	37°27'27"	E	59.71
L136	N	48°54'33"	E	80.56
L137	N	56°36'55"	E	120.55
L138	N	70°13'39"	E	98.19
L139	S	89°28'26"	E	45.78
L140	N	59°50'15"	E	63.14
L141	N	59°25'43"	E	48.33
L142	N	73°09'50"	E	35.94
L143	N	62°05'34"	E	134.91
L144	N	42°27'47"	E	61.99
L145	N	21°01'52"	E	50.92
L146	N	20°13'29"	E	62.67
L147	N	10°09'57"	E	19.74
L148	N	48°30'45"	E	78.54
L149	N	70°31'00"	E	66.40
L150	N	37°19'23"	E	31.56
L151	N	70°32'24"	E	15.46
L152	S	45°00'54"	E	15.25
L153	N	44°45'01"	E	61.19
L154	N	54°42'41"	E	141.30

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to a point where monument marked "REF No. 8" bears N.41°49'21"W. 4.90 varas. Said monument has Coordinates on the Texas Coordinate System of 1927 - North Zone of Y=250,918.51 varas and X=763,867.77 varas.

Thence continuing downstream along the Left or Northerly Bank of the Canadian River, crossing the East line of Hutchinson County and the West line of Roberts County, with the meanders of the Gradient Boundary as follows: (All distances are gird varas).

L155	N 48°37'09"	E	91.06
L156	N 60°41'33"	E	61.61
L157	N 85°13'55"	E	29.35
L158	S 82°58'10"	E	31.20
L159	N 23°16'14"	E	58.85
L160	N 50°47'28"	E	15.53
L161	N 76°36'41"	E	48.70
L162	N 53°43'34"	E	87.15
L163	N 57°56'00"	E	88.87
L164	N 80°31'27"	E	84.62
L165	S 89°53'45"	E	158.47
L166	N 57°12'10"	E	111.04
L167	S 73°48'55"	E	39.06
L168	S 15°43'52"	E	26.81
L169	N 86°14'16"	E	51.33
L170	S 80°08'15"	E	67.23
L171	N 76°22'51"	E	56.19
L172	N 49°14'05"	E	40.28
L173	N 27°25'24"	E	59.81
L174	N 06°08'17"	E	57.26
L175	N 23°19'09"	E	27.15
L176	N 49°59'17"	E	40.67
L177	N 28°55'37"	E	67.42
L178	N 46°23'39"	E	39.01
L179	N 73°06'17"	E	35.43
L180	S 83°16'21"	E	35.02
L181	N 75°36'09"	E	48.13
L182	S 82°01'18"	E	61.18
L183	N 63°11'36"	E	69.57
L184	N 67°45'49"	E	77.37
L185	N 48°22'25"	E	71.86
L186	N 84°14'07"	E	38.87
L187	N 70°44'53"	E	66.83
L188	N 76°57'01"	E	46.51
L189	N 83°08'49"	E	41.90
L190	S 71°51'53"	E	68.89
L191	N 86°22'58"	E	80.03
L192	N 77°46'02"	E	96.81
L193	S 86°02'44"	E	95.35
L194	N 54°36'15"	E	43.30
L195	N 69°37'17"	E	64.19
L196	N 48°48'49"	E	76.28
L197	N 73°22'54"	E	31.78
L198	S 54°09'16"	E	27.20
L199	N 51°37'52"	E	26.83
L200	N 00°05'21"	E	34.21
L201	N 64°55'07"	E	48.16
L202	N 31°58'29"	E	64.52
L203	N 50°08'09"	E	105.83
L204	N 62°27'00"	E	35.40
L205	N 79°20'24"	E	53.80

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L206	N	89°01'29"	E	159.78
L207	S	69°25'06"	E	56.23
L208	S	79°07'15"	E	95.96
L209	N	61°02'16"	E	28.81
L210	N	35°35'35"	E	41.22
L211	N	61°57'07"	E	26.50
L212	N	53°29'14"	E	79.18
L213	N	46°01'25"	E	73.18
L214	N	73°42'45"	E	27.23
L215	S	88°27'54"	E	33.12
L216	N	38°48'23"	E	35.90
L217	N	22°44'06"	E	39.56
L218	N	42°32'51"	E	72.37
L219	N	23°10'01"	E	54.13
L220	N	83°02'32"	E	66.74
L221	S	32°56'01"	E	31.78
L222	N	63°08'15"	E	61.76
L223	N	86°12'20"	E	138.53
L224	N	69°20'38"	E	39.49
L225	S	87°47'17"	E	94.78
L226	N	84°03'48"	E	115.34
L227	N	70°11'27"	E	115.97
L228	N	72°43'16"	E	103.16
L229	N	78°25'18"	E	157.77
L230	S	74°33'27"	E	61.41
L231	S	38°10'54"	E	44.79
L232	N	59°03'52"	E	51.36
L233	N	35°22'15"	E	48.35
L234	N	58°58'53"	E	43.33
L235	N	42°01'17"	E	50.10
L236	N	59°21'29"	E	38.26
L237	N	80°31'13"	E	44.69
L238	N	36°14'51"	E	42.18
L239	N	57°21'37"	E	37.95
L240	N	83°39'57"	E	49.37
L241	N	51°40'21"	E	18.18
L242	N	45°18'49"	E	73.02
L243	N	29°55'25"	E	54.69
L244	N	69°34'39"	E	58.04

to a point for the end of this portion of said Gradient Boundary from which monument marked "REF No. 15" bears S.47°59'12"W. 267.17 varas and a fence corner bears N.0°24'05'W. 34.91 varas. From said fence corner an existing fence traverses N.0°24'05"W. along or near the common line between H. & G.N.R.R. Co. Surveys 38 and 39 Block A. Said monument has Coordinates on the Texas Coordinate System of 1927 - North Zone of Y=252,512.61 varas and X=768,267.47 varas.

CONTROL: N.G.S. (U.S.C. & G.S.) Triangulation Stations BEE, BULGE, LOOP, MOORE, ROBERTS NORTH BASE. Data for Station ROBERTS NORTH BASE, Y=247,232.44 varas, X=769,691.23 varas, Theta Angle = +0°16'12", Scale factor = 0.9999442, Elevation factor = 0.99986709 (all at ROBERTS NORTH BASE). All courses, distances and Coordinates refer to the Texas Coordinate System of 1927 - North Zone.

FIELD SURVEY PERSONNEL: Wm. C. Wilson, Jr., A. K. "Bud" McMahan, Gerald McMahan, Ronald Johnson.

SURVEYED: September 8 to October 22, 1992.

STATE OF TEXAS § Gradient Boundary
COUNTIES Left Bank of Canadian River
OF §
HUTCHINSON AND §
ROBERTS §

I, Wm. C. Wilson, Jr. Licensed State Land Surveyor of Tom Green County, Texas do hereby certify that the foregoing survey was made by me on the ground according to law, and on the date and with the field survey personnel aforesaid, duly qualified, and that the limits, corners and boundaries with the marks of the same, natural and artificial, are truly and correctly described and set forth in the foregoing field notes, just as I found them on the ground.

Wm. C. Wilson, Jr.

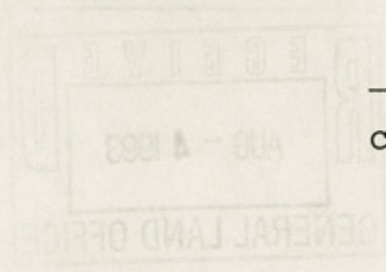
Licensed State Land Surveyor

Filed for record in my office, the 29 day of ~~December, 1992~~ ^{July 1993},
at _____ o'clock __ M, and duly recorded the ___ day of December,
1992³ in Book _____
Page _____ of the Field Note Records of Hutchinson County, Texas.

County Clerk

Filed for record in my office, the 29 day of ~~December, 1992~~ ^{July 1993},
at _____ o'clock __ M, and duly recorded the ___ day of December,
1992³ in Book _____
Page _____ of the Field Note Records of Roberts County, Texas.

County Clerk



BY: *Jackie M. Jackson*
JACKIE M. JACKSON, County Clerk
Roberts County, Texas

PAID TO THE STATE OF TEXAS
HUTCHINSON COUNTY, TEXAS
CEROL W. HERRERT, County Clerk
Direct _____
page _____ of the _____
copy of the original on file in this office
The foregoing instrument is a true and correct copy of _____

Page 1 of 2

STATE OF TEXAS
COUNTY OF ROBERTS
HUTCHINSON AND
GRADIENT BOUNDARY
LEFT BANK OF CANADIAN RIVER

I, Wm. C. Wilson, Jr., Licensed State Land Surveyor of the State of Texas, do hereby certify that the foregoing is a true and correct copy of the original on file in this office in Vol. 7 page 1 of the Field Note Records.



Filed for record in my office, the 29th day of July, 1993, at 10:41 AM.

County Clerk

RECEIVED
AUG 19 1993
GENERAL LAND OFFICE

RECEIVED
AUG - 4 1993
GENERAL LAND OFFICE

THE STATE OF TEXAS
COUNTY OF ROBERTS

I, Jackie M. Jackson, County Clerk of Roberts County, Texas do hereby Certify that the foregoing is a full, true and correct copy of

Field Notes

as the same is shown of record in this office, in Vol. 7 page 1 of the *Field Note* Records.

Given under my hand and seal of office at Miami, Texas this the 29 day of *July* 19*93*.

JACKIE M. JACKSON, County Clerk
Roberts County, Texas
By: *Jo Ann Morgenstern*

The Foregoing instrument is a full, true and correct copy of the original on file in this office in Vol. 7 page 452 of the *Field Note Records*.
Attest: *Carly 29*, 1993
CAROL ANN HERBST, County Clerk
Hutchinson County, Texas
By: *Winnie Pittsrell* Deputy



county 27459

"Monument" is brass disk marked as indicated in concrete cylinder in 4" P.V.C. 3 feet long set in soil with approximately 1/2 foot protruding.

STATE OF TEXAS § Gradient Boundary
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See Hutchinson County Rolled Sketch 42, 43 and Roberts County Rolled Sketch 3

FIELD NOTES of survey of Gradient Boundary along the Left Bank of a portion of the Canadian River made for E. H. Brainard by virtue of his Riparian ownership of adjoining

H. & G. N.R.R. Co. Surveys 1, 2, 9, 10, 11, 12, & 13 Block E and H. & G.N.R.R. Co. Surveys 39 and 40 Block A, Hutchinson and Roberts Counties, Texas, and pursuant to Vernon's Ann. Civ. St. art. 5282c, Sec. 2 (3), Sec. 2 (4), Sec. 25, and Sec. 26; and V.T.C.A., Natural Resources Code Chapter 21, regulating surveys of the location of boundaries of any land in which the State or Public Free School Fund has an interest and the preparation of field notes and plats/or maps which are to be filed in the General Land Office of the State of Texas. Said land is situated, about 18 miles N.74°E. from Stinnett, the County Seat of Hutchinson County and about 29 miles N.53 1/2°W. from Miami, the County Seat of Roberts County, and is described by metes and bounds as follows, to wit:

Beginning at a point in the Gradient Boundary on the Left or Northerly Bank of the Canadian River from which monument marked "REF No. 22" bears N.0°06'18"W. 3.79 varas. Said monument has Coordinates on the Texas Coordinate System of 1927 - North Zone of Y=246,114.98 varas and X=759,810.82 varas and is set in line with existing fence which traverses N.0°06'18"W. along or near the common line of H. & G.N.R.R. Co. Surveys 13 and 14 Block E.

Thence downstream along the Left or Northerly Bank of Canadian River with the meanders of the Gradient Boundary as follows: (All distances are grid varas).

L1	S 84°07'05"	E	25.50
L2	N 49°48'37"	E	24.05
L3	N 60°06'38"	E	56.90
L4	S 54°20'57"	E	24.27
L5	N 75°14'11"	E	37.38
L6	N 69°42'45"	E	48.18
L7	N 88°40'04"	E	52.18
L8	N 78°41'23"	E	20.54
L9	N 60°51'54"	E	38.03
L10	N 33°47'26"	E	27.39
L11	N 51°13'09"	E	31.29
L12	N 68°37'06"	E	15.52
L13	N 79°27'13"	E	22.94
L14	N 45°45'26"	E	25.69
L15	N 07°01'46"	E	19.47
L16	N 15°34'19"	E	31.47
L17	N 84°02'25"	E	28.27
L18	S 86°32'22"	E	31.47
L19	N 40°12'50"	E	18.42
L20	N 26°42'39"	E	26.16
L21	N 68°01'46"	E	54.19
L22	N 79°03'41"	E	60.39
L23	N 78°57'29"	E	36.29
L24	N 58°38'10"	E	35.42
L25	N 34°48'17"	E	34.10
L26	N 00°26'49"	W	51.18
L27	N 06°47'38"	E	36.48
L28	N 13°32'31"	E	35.84
L29	N 05°59'13"	E	42.21
L30	N 18°23'47"	E	73.88
L31	N 09°48'17"	E	61.58

File No. Sketch File 52

Hutchinson County

Gradient Boundary Survey along left bank (northern) of Canadian River made for E.H. Brainard by virtue of his riparian ownership of adj. Blk. A, H & G.N.R.R. Co. Blk. E, Survs. 1, 2, 9, 10, 11, 12 & 13; H & G.N.R.R. Co. Survs. 39, 40

Date Filed: February 17, 2000

David Devhurst, Commissioner

By Douglas Howard

FILED
 CAROL ANN HERBST
 COUNTY CLERK

93 JUL 29 11:27

HUTCHINSON COUNTY, TEXAS
 BY W. Litterell DEPUTY