

W. D. TWICHELL,
SURVEYOR.

Land Boundaries a Specialty.

Copy.

Austin
Amarillo, Texas. January 3, 1906.

Mr. W. D. Twichell,
Amarillo, Texas.

Dear Sir:-

Your letter of the 26th ult., in regard to boundry lines of Gray county has been received. Records here show that W. P. Hedgecoke in May 1899, by virtue of a contract authorized by the Commissioner's court of Roberts county, surveyed the southern line of that county. It does not appear that the county court of the county to which Gray county was attached was notified of the proposed survey, or that she had an opportunity to send a representative to assist in making it. In March 1901, Jas. L. Gray, by virtue of an order of the Commissioner's court of Carson county, surveyed the eastern line of that county. It does not appear that the county court of the county to which Gray county was attached was notified.

I do not think either of those lines were legally established. Evidence here does not show they were. Book 1 page 1 record of county court minutes for Gray county contains an order of the county court of Gray county providing that T. W. Brown be empowered to locate the east, south, and west boundry lines; and that adjoining counties be notified, and that the 10th day of August 1903 be set as the day to begin.

It appears that Wheeler and Donley counties sent their respective surveyors in response to Gray's notice at the time and place designated; but that Gray's surveyor failed to show up, or if he did attend refused to join in the survey, and later on made a survey on his own account. The Wheeler and Donley surveyors proceeded under the provisions of Article 805 R. S. 1895, and made their reports to their respective counties; and copies of field notes were sent this office. The report made by the Gray county surveyor who was not acting in accordance with the order of the county court was not filed in this office.

Facts indicate that lines established by surveyors of Wheeler and Donley counties by virtue of an order emanating from the county court of Gray county, are legal and will stand, and that the counties themselves have no power to change them; except under proviso third section 1 Article 9 of the Constitution of Texas.

I have briefly given you facts as they appear here.

(signed) Respectfully,
John J. Terrell

Commissioner.

Hannicutt-Gk.

Gray Co Bdty Line 3

D Counter 53854

W. D. TWICHELL,
SURVEYOR.

as Land Boundaries a Specialty.

Amarillo, Texas.

THE STATE OF TEXAS)
)
)
 GRAY COUNTY.)

Pursuant to the order of Gray County Court to survey establish and fix the boundrys of Gray County, said order being dated Jan. 22d, 1906, I, W. D. Twichell, a practical surveyor, duly appointed and fully qualified as required by law, was at Miami, on Feb. 24th, that being the place and time designated in said order for the parties reperesenting counties adjoining Gray, to meet and perpare to commense the survey. There I was notified by Coffee & Kelly, attorneys duly reperesenting Roberts County, that Roberts & Hutchison would not send surveyor and these counties would accept the boundries established by me; and further I was informed by J. L. Gray, County Judge of Carson Co. that his court would send no surveyor, and that Carson County was willing to accept an accurate survey that would properly mark and fix her boundries, giving to each county its proper quantity. Judge J. L. Gray being a practical surveyor, and he being the surveyor who had surveyed and marked the east line of Carson, I took occasion to discuss with him the best and most accurate method to trace the correct boundries. The plan of proceedure which I afterwards followed, and which is fully and specifically set out in the following field notes, was than fully understood and agreed to as the best method of procedure by the above mentioned parties reperesenting the counties adjoining Gray. Judge Gray stated to me that in his former survey of Carson County, he had included about 31 1/2 miles between the east and west boundries of Carson County to connect with corners designated, and to comply with instruction given by the land office.

D' counter
53855

Amarillo, Texas,

No. 2.

Field notes for North boundry of Gray Co.

Beginning at an iron pipe driven to the surface, the north-east corner of Wheeler County, well known, said pipe being at corner of fence.

~~XXXXXXXXXXXX~~

Thence N 0° 13' W following the 100th meridian W. L. west longitude as retraced by Auther D. Kidder in 1904, and attempting to find Mile post placed on said meridian by H. C. F. Hackbush, U. S. surveyor in 1875 at which time he reports to have recovered and to have remarked said meridian with mile post (in this vicinity). I fail to find the 77th mile post described by Kidder as an oak post 6x6x24 marked but was informed by a man living at that place that it was immediately under the fence near where the distance for my fifth mile indicated, but that it had been pulled up and burned for wood by parties not knowing that it was a land mark. Continuing same course 8 mile and ~~IX~~ 1486 varas I fell 31 varas east of the red sand stone at 80 miles and 60 chains N from the initial monument on Red River. this stone is 12x 12x10 above ground plainly marked 80 + 60 on the south side and 100 M. W. on north side, the bearing ^{three} trees are still standing and are in good condition. This measurement indicates that the iron pipe at the northeast corner of Wheeler Co. is not more than 60 varas south.

Beginning at the iron pipe at the northeast corner of Wheeler Co. I then traced west followig the line of pipes marking the south line of Hemphill Co. 30 miles and 324 varas to the large concrete rock well known and properly inscribed for the S W of Hemphill, S E of Robertss and NW of Wheeler in connecting the iron pipes along this line, most of which are standing in good condition properly marked I find that the distances between the pipes usualy measure 1911 varas and that the pipes graduly bear to the north with slight irregularities

Amarillo, Texas.

No. 3.

to the 24th mile which I find is 82 varas north of a paralell west from the N E of Wheeler. The 29th mile is 78 varas north and the corner rock is 64 varas north ~~of a~~ ^{of a} paralell from the iron pipe at ~~2022~~ the N W of Wheeler. Since my measurements indicates that the N E of Wheeler is 60 varas south of the 72d mile post, my paralell west indicates that the large rock marking the N E of Gray Co is not more than 4 varas north of the 72d mile post which places it well within the variance which is to be expected in making surveys of 39 mile across undulating country and fully varifies the position of this rock as being correct for latitude.

Beginning at the N W corner of Wheeler Co. at large stone 14x14x12 described and varified as above the well known S W corner of Hemphill Co. properly marked ^{Polaris in Western Elongation brs. AR. 88° 32'} Magnetic Variation 10° 50' E.

Thence West at 1260 to 1454 vrs pass through north edge of lake basin at 1901 varas set concrete stone 12x8x8 marked R-1M-G for first mile whence an iron pipe marked 29 G 1R bears east 39 varas and north 12 varas

Thence West at 450 to 607 pass through N edge of lake basin at 487 crossed fence at 1901 varas set concrete stone 12x8x8 marked R 2M G whence large stone marked S L G bears east 63 varas and N 31 varas an iron pipe marked 28 G 2 R lying on stone. 2" Mile

Thence West 1901 varas set concrete stone 24x8x8 whence a large stone marked for county line bears south 59.6/10 varas and W 2.6/10 varas. 3" Mile

Thence West at 488.5 varas N E corner of school plot bears S 7.6 ^{varas} miles at 568 varas N W corner of school plot bears S 4.6 varas, at 1901 varas set concrete stone 24x8x8 marked G 4 M R. 4" Mile

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No. 4.

Thence West, at 504 varas cross fence, at 1657 and 1490 cross ravines,
at 1600 crossed fence, at 1901 varas set stone 12x8x8 marked R 5 M G
and earth mound 2 feet high. 5" Mile

Thence W, at 525 1/2 varas an iron pipe marked 57-76-75-M-2 bears
N 0° 15" W 368 varas, same being ~~##~~ the N W corner of survey No. 57
B-W Block M2 H. & G. N.R. R. Co., at 842 varas cross fence at 1901 vara
a concrete stone 24x8x8 marked R 6 M G and earth mound 2 feet high.
6" Mile Polaris in western elongation bears A. R. 88° 32'

Thence West, at 300 vrs cross fence, at 1485 vrs cross fence, at 1901
vrs set stone 24x8x8 marked R 7 M G and earth mound 2 feet high in field.
Magnetic variation reads 100° 50' east. 7" Mile

Thence West, at 250 vrs pass 47 vrs ^{south} of rock corral, Fifers place, at 263
vrs cross fence, at 538 vrs an iron pipe marked 89-90-107-108 B M2
bears N 320 vrs same being NW corner of survey 89 in Block M2, at 705,
1200 and 1410 cross ravines, at 1901 vrs a concrete stone 12x8x8 marked
R 8 M G and an earth mound 2 feet high.

Whence a large stone marked 8 S L R Co. bears S 240 and E 13. 8" Mile

Thence West, at 540, 770, 1227, 1375, and 1810 vrs cross ravines, at 1901
vrs set stone 24x8x8 marked R 9 M G and earth mound 2 feet high on a
ridge. 9" Mile

Thence West, at 225, 459, 1030, 1440, 1689, and 1765 cross ravines, at
1901 a rough rock marked R 10 M G and pile of stone 2 feet high. 10 Mile

Thence Wset, at 526 vrs cross ravine, at 567 vrs cross fence, at 758 vrs
cross ravine, at 1901 vrs set concrete stone 24x8x8 marked R 11 M G
and pile of stone 2 feet high in spur canon, draw in canon bears
West 67 vrs, bluff bears West 100 vrs. 11 Mile

Thence west, at 67 vrs cross draw, at 100 vrs bluff, at 420 cross fence,
at 630 cross draw, at 1901 set stone 24x8x8 marked R 12 MG and earth
mound 2 feet high. 12 mile

and on to NW Gray

Amarillo, Texas.

Counter 53859

No. 4

Thence West, at 504 varas cross fence, at 1037 and 1430 cross ravines,
 at 1600 crossed fence, at 1901 varas set stone 12x8x8 marked R & M G
 and earth mound 2 feet high. 5" pipe
 Thence W, at 525 1/2 varas an iron pipe marked 57-75-75-M-2 bears
 N 0° 15' 36" varas, also being the N W corner of survey No. 57
 Block-M H. & G. N. R. Co., at 842 varas cross fence at 1901 varas
 a concrete stone 24x8x8 marked R & M G and earth mound 2 feet high.
 6" pipe. Polaris in western elongation bears A. R. 88° 30'
 Thence West, at 800 varas cross fence, at 1285 varas cross fence, at 1901
 varas set stone 24x8x8 marked R & M G and earth mound 2 feet high in field.
 Magnetic variation reads 100° 00' east, 7" pipe
 Thence West, at 250 varas pass 47 varas of rock corral, 21 feet place, at 268
 varas cross fence, at 528 varas an iron pipe marked 82-90-10-108 E M
 bears N 320 varas same being NW corner of survey 82 in Block M, at 705,
 1200 and 1410 cross ravines, at 1901 varas a concrete stone 12x8x8 marked
 R & M G and an earth mound 2 feet high.
 Whence a large stone marked S & L R Co. bears S 240 and E 18. 8" pipe
 Thence West, at 540, 770, 1227, 1275, and 1810 varas cross ravines, at 1901
 varas set stone 24x8x8 marked R & M G and earth mound 2 feet high on a
 ridge. 9" pipe
 Thence West, at 225, 230, 1020, 1440, 1600, and 1900 cross ravines, at
 1901 a rough rock marked R 10 M G and pile of stone 2 feet high. 10" pipe
 Thence West, at 526 varas cross ravine, at 527 varas cross fence, at 758 varas
 cross ravine, at 1901 varas set concrete stone 24x8x8 marked R 11 M G
 and pile of stone 2 feet high in spur canon, draw in canon bears
 West 67 varas, bluff bears West 100 varas. 11" pipe
 Thence west, at 67 varas cross draw, at 100 varas bluff, at 420 cross fence,
 at 630 cross draw, at 1901 set stone 24x8x8 marked R 12 M G and earth
 mound 2 feet high. 12" pipe

Amarillo, Texas.

5

Thence West, at 10 vrs cross ravine, at 355 vrs cross road, at 596 vrs cross fence, at 1170 vrs cross draw, at 1325 vrs point of bluff, at 1901 set rough stone 24x16x8 marked R R G 13 M and pile of stone 2 feet high. 13 Mile.

13-14

Thence West, at 107 and 527 cross ravine, at 1017 set 5 lb. lard bucket filled with stone 1 vara N of line Jackson Bros. wind mill bears N 77 varas, ^{1110 and} at 1700 cross draw, at 1901 vrs set concrete stone 24x8x8 marked R 14 M G and pile of stone 2 feet high. 14" Mile.

14-15

(Polaris bears A. R. 88 32' western elongation)

Thence West, at 175 vrs cross ravine, at 375 vrs cross Red Deer creek, at 550 and 856 vrs cross fence, at 929 vrs wind mill bears south 2 vrs, at 1232 vrs cross railroad, course north 69 30' east, bridge board No. 223 bears ^N 69 30' east 463 vrs, at 1500 vrs Lewis's house bears south about 1/4 mile, at 1901 vrs set rough stone 20x16x7 marked R 15 M G and pile stone 2 feet high on island in creek. 15" Mile.

15-16
16-17
17-18

Thence West, at 720 vrs an iron pipe marked 1 B 3 ~~1212x~~ 2 bears north 0 18' west 335 vrs same being the N. E. corner of survey No. 1, Block No. 3, I & G N R R., at 1110 vrs cross ravine, at 1790 vrs cross road, at 1901 vrs set concrete stone 24x8x8 marked R 16 M G and rock mound 2 feet high. 16" Mile.

✓

Thence West, at 274, 700, and 1857 vrs cross ravine, at 1901 set rough stone 28x16x3 marked R 17 M G and pile stone 2 feet high. 17 Mile

17-18

Thence west, at 600 vrs cross ravine, at 845 vrs a county line iron pipe bears north 23 8' W, at 1901 vrs set concrete stone 24x8x8 marked R 18 M G and earth mound 2 feet high. 18" Mile

18-19

(Magnetic variation 11° east) March 8, 1906, polaris bears A. R. 88 32' in western elongation.

Thence west, at 170, 600, and 765 vrs cross ravine, at 924 vrs iron pipe marked R 19 G 11 ~~==~~ bears north 3 1/2, at 1901 set concrete stone 12x8x8 marked R 19 G and earth mound 2 feet high on west side of road. 19" Mile

19-20

Amarillo, Texas.

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Thence West, at 1901 vrs set concrete stone 12x8x8 marked R 20 M G and earth mound 2 feet high, whence a wind mill bears north 66 50' W. and a draw bears west 100 vrs. 20" Mile.

Thence West, at 571, 965, and 1550 cross ravines, at 1901 set concrete stone 12x8x8 marked R 21 M G and earth mound 2 feet high. 21" Mile.

Thence West, at 458 vrs wind mill bears N 19 34' west, and the West wind mill in Pampa bears S 23 32' W, at 850 touch S edge of lake basin, at 1653 vrs cross ravine, at 1901 vrs set concrete stone 12x8x8 marked R 22 M G and earth mound 2 feet high, whence wind mill bears N 40 32' E. 22" Mile.

Thence West, at 900 vrs cross ravine, at 1901 vrs set concrete stone 12x8x8 marked R 23 M G and earth mound 2 feet high. 23" Mile.

Thence West, at 100 vrs cross ravine, at 1901 set concrete stone 12x8x8 marked R 24 M G and earth mound 2 feet high, a draw bears W 32 vrs, large stone marked R 24 G bears south 7° 31' W. ^{800 vrs} 24" Mile.

Thence West, at 630 vrs cross fence (course south 6' east), at 1901 vrs set concrete stone 12x8x8 marked R 25 M G and earth mound 2 feet high. 25" Mile.

Thence West, at 550 vrs cross ravine, at 1901 vrs set concrete stone 12x8x8 marked R 26 M G and earth mound 2 feet high. 26" Mile.

Line reads magnetic variation 1° 15' east.

Thence West, at 200 vrs cross road, at 700 vrs head ^{of} draw, at 1263 vrs cross draw, at 1550 touch draw, at 1901 set fragment concrete stone 8x8x8 marked R 27 M G and earth mound 2 feet high. 27" Mile.

Thence West, at 46 vrs cross draw, at 1675 vrs cross draw, at 1901 vrs set rough stone 18x16x7 marked R 28 M G and pile of stone 2 feet high, on north end of ridge StriBling pile of stone and 4 stone for 28 mile bears (needle reading) S 9° W 228 vrs). 28" Mile.

W. D. TWICHELL,
SURVEYOR.

Texas Land Boundaries a Specialty.

Amarillo, Texas.

Thence West, at 63, 1005, 1150 cross ravine, at 1901 set fragment
concrete stone 8x8x8 marked R 29 M G and earth mound 2 feet high,
and 4 pits. 29" Mile. Magnetic variation ^{of} line reads 11° 15' E.

Thence west, at 529 vrs an iron pipe marked for the 4 counties bears
north 420 vrs from this iron pipe a lone cedar bears north 2° West,
hackberry bush on the creek bears N 23 3/4 W., lone tree in canon
bears N 53 3/4 E, round knoll bears N 57 3/4 E, at 1901 vrs set
concrete stone 12x8x8 marked R 30 M G and pile stone 2 feet high
on point of rocky hill, whence Stribling's rock monument for his
30 mile bears S 4 56' W 229 vrs. 30" Mile.

Thence West, at 480 vrs cross ravine, at 641 vrs iron pipe marked
169, 192, 194, 214 B 3 and B 2 on south bank of creek bears N 76
vrs, at 883 vrs cross E prong of White Deer creek, at 1421 vrs inter-
sect meridian south from N W corner of Ochiltree, ^{said N.W. corner} ~~same~~ being large
stone set by Twichell, wence Clark's monument bears W 313.7 vrs.

At the intersection of the meridian S from N W Ochiltree and the
parallell W from the 72" mile post on the 100 meridian, set a concrete
stone 24x8x8 marked ROB-NW GRAY-S E H- N E C and rock monument of
3 large stone 2 feet high on top of bluff wence the point of low
flat hill bears due S 610 vrs. Polaris in Western elongation bears
A. R. 88 32' same being the NW corner of Gray Co., the SW corner
Roberts Co., SE corner of Hutchison Co., and NE corner of Carson Co.

The magnetic variation of line reads 11° 12'.

W. D. TWICHELL,
SURVEYOR.

Texas Land Boundaries a Specialty.

Amarillo, Texas.

I, W. D. Twichell, surveyor for Gray Co., do hereby certify
that the fore going field notes are true and correct, and ^{that} the
marks, both natural and artificial ~~are~~ ^{are} ~~true and correct~~ ^{as described} as they appear
in the field as determined by actual survey made by me on the
ground Feb. 24th to March 26, 1906.

W. D. Twichell

Surveyor for Gray Co.

and on to S.W. Gray

Amarillo, Texas.

I, W. D. Twichell, Surveyor for Gray Co., do hereby certify that the foregoing field notes are true and correct and the marks, both natural and artificial are true and correct as they appear in the field as determined by actual survey made by me on the ground Feb. 24th to March 25, 1906.

W. D. Twichell

SURVEYOR FOR GRAY CO.

Amarillo, Texas.

March 20, 1906.

Field notes of county boundaries between Gray and Carson Co.

Magnetic variation of line 11 12'.

Beginning at the intersection of paralell brought W from the 72" mile on the 100th meridian, with the meridain brought south from north the west corner of Ochiltree, same being large stone set by

Twichell for the NW corner of Ochiltree, whence Clark's monument bears west 313.7 vrs, at said intersection set concrete stone 24x8x8 marked ROB NW-GRAY SE-H NE-C, and rock monument composed of 3 large point

stone 2 feet high on top of bluff whence the east of low flat hill iron pipe marked 169-192-194-214-233 and 132 on S bank of creek brs. E 750

bears south 610 vrs, same being NW corner of Gray Co., SW corner of Ochiltree Co., SE corner of Hutchinson Co., NE corner of Carson Co.

Thence South, at 610 vrs pass point of low flat hill, at 1000, 1360, 1565 vrs cross ravine, at 1860 cross fence, at 1901 vrs set concrete stone 24x8x8 marked G 1M C and earth mound 2 feet high. 1" Mile.

Thence south, at 375 vrs, 830, 1200, 1500 vrs cross ravine, at 1901 vrs set concrete stone 24x8x8 marked G 2M C and earth mound 2 feet high. 2" Mile.

Thence south, at 515 vrs corss ravine, at 1700 vrs cross road, at 1901 vrs set concrete stone 24x8x8 marked G 3M C and earth mound 2 feet high, near head of small draw, whence a wind mill bears south 33° east. (needle reading from corner). 3" Mile.

Thence South, at 1750 and 1450 vrs cross ravine, at 1901 vrs set rough stone 24x6x8 marked G 4M and another stone marked C 4M and pile stone 2 feet high, wence draw bears south 25 vrs. 4" Mile.

Thence south, at 25, 625, 1025, and 1100 vrs cross ravine, at 1901 vrs set concrete stone 24x8x8 marked G 5M C and earth mound 2 feet high. Fence bears south 4 vrs. 5" Mile.

See Twichell's letter
Apr 14-1906
Re: subject
1906

Amarillo, Texas.

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Thence south, on top of plains, at 4 vrs cross fence, at 650 vrs cross ravine, at 1901 vrs set concrete stone 24x8x8 marked G 6M C and earth mound 2 feet high. 6" Mile. Polaris in western elongation bears west $1^{\circ} 28'$

Thence south, at 1901 vrs set fragment concrete stone 6x8x8 marked G 7M C and earth mound 2 feet high. 7" Mile.

Thence south, at 1901 vrs set concrete stone 24x8x8 marked G 8M C and earth mound 2 feet high. 8" Mile.

Thence south, at 400 vrs east edge of lake basin, at 1550 vrs N edge of lake basin, at 1901 vrs set fragment concrete stone 6x8x8 marked G 9M C and earth mound 2 feet high in lake basin. 9" Mile.

Thence south, at 16 vrs south edge of lake basin, at 1598 vrs cross Southern Kansas R. R. course north $60^{\circ} 32'$, set fragment of concrete stone north and south 10 vrs from track marked C G Co. L. (Not able to find any mile post along railroad and no bridge near.) At 1901 vrs set stone 24x8x8 marked G 10M C and earth mound 2 feet high, whence lake basin bears east about 150 vrs. 10" Mile.

Thence south, at 500 vrs E edge of lake basin, at 1901 vrs set concrete stone 24x8x8 marked G 11M C and earth mound 2 feet high. 11" Mile.

Thence south, at 1000 vrs W point of lake basin, at 1901 vrs set fragment concrete stone 8x8x8 marked G 12M C and earth mound 2 feet high. 12 Mile

Thence South, at 87 vrs fence, whence an iron pipe marked 180, 181, B3 bears north $89^{\circ} 7'$ east 819 vrs pipe stands under fence same being th SE corner of survey No. 181, block No. 3, I. & G. N. R. R., at 1901 vrs set concrete stone 24x8x8 marked G 13M C and earth mound 2 feet high. 13" Mile.

Thence south, at 450 to 650 vrs cross lake basin, at 1118 vrs and 1682 vrs cross field fence, at 1901 vrs set concrete stone 24x8x8 marked G 14M C and earth mound 2 feet high, whence Jess Wind's wind mill bears north $85^{\circ} 36'$ east about 400 vrs, south flue on

Amarillo, Texas.

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- 14 house bears south 79 22' east. 14" mile.
Thence South, at 1400 vrs cross fence, at 1901 vrs set fragment
of concrete stone 8x8x8 marked G 15M C and earth mound 2 feet high.
15 15" Mile.
Thence south, at 1901 vrs set concrete stone 24x8x8 marked G 16M C
16 and earth mound 2 feet high. 16" Mile.
Thence south, at 123 vrs cross fence, course north 89 39' 30" east
corner of fence, appearentle section corner bears north 89 39' 30"
east 645 vrs, at 1901 vrs set fragment of concrete stone 6x8x8 marked
17 G 17M C and earth mound 2 feet high. 17" Mile.
Thence south, at 1150 to 1770 cross lake basin, at 1901 vrs set concrete
stone 24x8x8 marked G 18M C and earth mound 2 feet high. 18" Mile.
18 Polaris in western elongation bears A. L. 1° 18'.
Thence south? at 1901 vrs set fragment of concrete stone 8x8x8
marked G 19M C and earth mound 2 feet high, wence Grooms' wind
19 mill bears south 58 37' east about 1000 vrs. 19" Mile.
Thence south, at 1901 vrs set concrete stone 24x8x8 marked G 20M C
20 and earth mound 2 feet high. 20" MILE.
Thence south, at 550 vrs east edge of lake baxin, at 1901 vrs set
fragment of concrete stone 8x8x8 marked G 21M C and earth mound 2
21 feet high. 21" Mile.
Thence South, at 127 vrs cross fence, at 1901 vrs set concrete stone
22 24x8x8 marked G 22M C and earth mound 2 feet high. 22" Mile.
Thence south, at 350 vrs cross road, at 550 to 1765 vrs cross lake
basin, at 827 to 1593 vrs cross field, at 1750 to 1885 vrs west
edge of lake, at 1901 vrs set concrete stone 24x8x8 marked G 23M C
and earth mound 2 feet high, wence C. H. Harris' wind mill bears
22 SW about 200 vrs. 23" Mile.

Amarillo, Texas,

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Polaris in western elongation bears A. L. $1^{\circ} 28'$ from back sight.

24 Thence south, at 1901 vrs set fragment of concrete stone 8x8x8 marked G 24M C and earth mound 2 feet high. 24" Mile.

25 Thence south, at 1901 vrs set fragment of concrete stone 8x8x8 marked G 25M C and earth mound 2 feet high. 25" Mile. Magnetic variation of line reads $10^{\circ} 45'$ east.

26 Thence south, at 300 vrs cross McClelland, at 1901 vrs set concrete stone 24x8x8 marked G 26MC and earth mound 2 feet high. 26" Mile.

27 Thence south, at 467 vrs cross fence, at 486 vrs a pine peg and 4 pits (probably corner for school file under act of 1900), bears north $88^{\circ} 53'$ east 448 vrs, at 1901 vrs set concrete stone 24x8x8 marked G 27M C and earth mound 2 feet high. 27" Mile.

28 Thence south, at 1250 to 1620 vrs cross east edge of lake basin, at 1873 vrs cross fence, at 1901 vrs set concrete stone 24x8x8 marked G 28M C and earth mound 2 feet high in lake basin. 28" Mile. Magnetic variation of line reads 11° .

29 Thence south, at 150 vrs south edge of lake basin, at 480 to 490 vrs cross lane, at 1901 vrs set concrete stone 24x8x8 marked G 29M C and earth mound 2 feet high. 29" Mile.

30 Thence south, at 312 vrs cross Choctaw R. R. course ^{south} $77^{\circ} 31'$ east, mile post No. 718 bears south $77^{\circ} 31'$ east 210 vrs, set fragment concrete stone 8x8x8 marked G C Co. L 10 vrs north of track, at 1901 vrs set cedar post 2 feet high for 30" Mile. ³⁰

Magnetic variation of line reads $10^{\circ} 50'$ east.

Thence south, at 320 vrs set concrete stone 24x8x8 marked NWD SEC ^{west} SWG NEA and cedar post 2 feet high for the south ^{west} corner of Gray Co. same being on a paralell brought west from the 42" mile post on the 100th meridian as traced by Jas. L. Gray surveyor for Carson Co., W. D. Twichell surveyor for Potter Co., and Granger for Armstrong Co., in July 1890 as evidenced by cedar post which bears west 269 vrs, this cedar post is 61 mile and 5214 feet west from the

Amarillo, Texas.

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see Twichell's letter 4-20-15
in Gray Co. ^{line} sk. File.

This distance should be
6177 + 315 = 6492
Pritchard's 4-16-15
= 6177 + 315 = 6492
but Twichell makes 17600 + 1877.

west 269 vrs, this cedar post is ⁶⁰ 61 miles and 5214 feet west from
the 42" mile post on the 100th meridian. From the corner set for
the S. W. corner of Gray Co. a large rock monument in field bears
north 87° 28' 30" east 2800 vrs, a large rock set by Stribling for
the S. W. corner of Gray Co. bears east 1885 vrs, and north 17 vrs.
From the rock monument in field mentioned above, Jones' wind mill
bears south 50 1/4° west about 2/3 mile, and Johnston's windmill
bears north 43 1/4° east.

From said concrete stone & post - the S. W. corner Gray County -

S. E. corner Sur. No 58 BK - B 3 ^{H & G H} = 565° 08' E 536 = 5200 & E 497 varas.

W. D. TWICHELL,
SURVEYOR.

Texas Land Boundaries a Specialty.

Amarillo, Texas.

I, W. D. Twichell, surveyor for Gray Co., do hereby certify
that the fore going field notes are true and correct and ^{that} the marks
both natural and artificial ~~are~~ ^{disclosed} true and correct as they appear in
the field as determined by actual survey made by me on the ground
Feb. 24th to March 26, 1906.

W. D. Twichell

Surveyor for Gray Co.

W. D. TWICHELL,
SURVEYOR.

Texas Land Boundaries a Specialty

Amarillo, Texas.

copy

Panhandle, Texas, Apr. 2, 1906.

Mr. W. D. Twichell,
Amarillo, Texas.

Dear Sir:-

I have not yet checked up the Co. lines matter with the data you gave me as fully as I had intended but I am of the opinion that your work has been done on correct principles and with approximate accuracy. If adopted, your East line of Carson will be considerable shorter than the West line of Carson, as established by you, which I fear, will some time in the future cause trouble or confusion. I will suggest that you have your report duly approved and adopted by the counties employing you to do the work and others effected, and I have no doubt but that Carson Co. will agree to adopt your line if it appears that this action will permanently establish these lines.

Yours truly,

(signed)

J. L. Gray.

D15 Counter 53871

Gray Co Bdry Line 3

(3)

Filed 5/16/06

1406

Gray Co Boundary

Amarillo, Texas

Dear Sir,

I have not yet checked up the Co. line matter with the
 date of your work has been done on correct principles
 and approximately accuracy. If adopted, your East line of
 Carson will be considered as correct than the West line of Carson,
 as established by you, which I fear, will some time in the future
 cause trouble or confusion. I will suggest that you have your
 people and employees and advised by the competent employees you
 to do the work and others effected, and I have no doubt but
 this action will permanently establish these lines.
 that Carson Co. will agree to about your line if it appears that
 to do the work and others effected, and I have no doubt but
 this action will permanently establish these lines.

(signed)

J. I. Gray.

Yours truly,

Amarillo, Texas

Letter to W. D. Towchell
 5-18-06 - $\frac{827}{614}$

counter 53872

D'6

Gray & ~~Carson~~ ⁽³⁾ Gos.

Northern & Western
Boundaries of
Gray County.

Filed May 16 1906.

Letter Book 827 p. 614

5-18-06

Colinter 53873