

See Rld. sk. 59
No. No. Sketch File 40
Terrell County
Tex. Cen. Ry. Bk D10, Surv. 36, 38, 59
Filed Sept. 2 19 94
GARRY MAURO, Com'r
Douglas Howard

EMENDED
REPORT OF SURVEY
Southerly portion of Block D10
Texas Central Railway Company,
Files 149618, 149619, and S-35688 in
Terrell County, Texas

This Block, along with other "D" blocks, was originally surveyed by Charles Archer, the D10 surveys being dated 2-3 August 1881, and some of the most southerly portions extend across the Rio Grande into Mexico.

Archer called for stone mounds at virtually all corners, even calling for a stone mound 6 feet high and 3 feet in diameter at the SE corner of the Block as well as at the NW corner of Block D 9.

Although Bogle's work in 1889 was canceled, both he and later Reavis connected to the SW corner of Survey 335 (Meyers Spring) in their work on Block A2.

The December 1907 connection to San Francisco Creek by W. O. Hunter, County Surveyor, reflects the conflict of Block A2 onto Block D10 by 227 varas, showing his recovery of Archer's and/or Reavis' entire W boundary of Block A2. He indicates that the easterly 6 tiers of Block 10 (to rock mound at mouth of San Francisco Creek) were found to have the full 1900 varas per section. R. S. Dod's authorized work on Blocks D9 and D10 in January 1909, just shortly over a year after Hunter's, reflects that A2 conflict, as well as Dod's connection to the SW corner of Survey 335 (enclosing Meyers Spring). R. S. Dod then placed the common boundary of Blocks D9 and D10, and placed the W boundary of the easterly 6 tiers of D10 by running North from mouth of San Francisco Creek, and placed the NE corner of Block D9.

The integrity of Dod's placement, as well as Archer's northern ones, was affirmed by the Commissioner in his letter of April 2, 1935 (copy attached to this report), so our search for appropriate land marks has been guided by R. S. Dod's 1909 placements.

H. E. Gatlin's 1962 work as County Surveyor insists that R. S. Dod's placements on common boundary of D9 and D10 were 242 varas too far south, but we find their corroboration with Dod's run north from mouth of San Francisco Creek to defy that conclusion by Gatlin, as well as Dod's location of the two N corners of Block D9. There are, however, 142.41 extra varas between the Dod monument at NW D9 and SE D10.

We did recover R. S. Dod's old rock mound of about 20 stones lying about 100 varas southerly from the occupied 2-way fence corner and about 500 varas North of the Rio Grande for Archer's SE corner of the Block, (3/4-inch steel stake set under center stone at Texas South Central Zone Grid Coordinates: X=979886.84; Y=746212.62, 1927 Datum). A 60d nail set in center of large rock mound atop small peak bears S 29° 32' 22" W 439.11 varas. However, no marked stone was found among those at Block corner. No other evidence of survey marker was found within a quarter mile, although Gatlin reports placing Surveys 3, Block S6 and 4, Block S6 on the bluff over the Rio Grande.

Also recovered were the following R. S. Dod corners within this subject portion of Block D10:

Common corner of Sections 63, 64, 81 and 82, a 60d nail found in center of rock mound of 25 small stones and 4 large



counter 38005

stones, one flat stone marked "NW 63 B10". (Grid Coordinates: X=948944.85; Y=763079.45).

Common corner of Sections 64, 65, 80 and 81, a 3/8-inch iron rebar found up 9 inches in center of rock mound of 25 small stones, 5 large stones, cover stone marked "SE80 NW64 HVMTE." (Grid Coordinates: X=949139.04; Y=768335.63.)

Common corner of Sections 65, 66, 79, and 80, a 3/8-inch iron rebar found up 8 inches in rock mound of 25 small stones, 2 large stones, one marked "NW65". (Grid Coordinates: X=949339.42; Y=773591.52.)

Common corner of Sections 56, 57, 64 and 65, a 1/2-inch iron rebar found up 8 inches in center of rock mound of 40 stones atop easterly point of a ridge. (Grid Coordinates: X=954391.20; Y=7689142.29.) R. S. Dod does not show placement of this corner, and no marked stone was found, either.

Common E corner of Sections 11 and 12, a 60d nail found under original center stone of rock mound by occupied Block line, one stone marked "SE 11 B10" (Grid Coordinates: X=980067.38; Y=751470.50). Recently placed 5/8-inch iron rebar found up 14 inches in rock mound with aluminum cap marked "BKD10 10 11, D9 40" bears grid N 1° 37' 42" W 146.58 varas.

Common E corner of Sections 9 and 10, a 60d nail found in center of rock mound of 17 flat stones, none marked, about 2.5 feet E of fence. (Grid Coordinates: X=980438.69; Y=761963.40). The center of railroad tie N gate post bears grid N 1° 33' 58" E 117.33 varas, and the occupied NW corner of Section 32 of Block D9 bears grid N 1° 58' 00" E 947.89 varas.

Common corner of Sections 34, 35, 38 and 39, a 1/2-inch iron rebar found up 15 inches in rock mound of 30 stones, none marked. (Grid Coordinates: X=964658.12; Y=757142.29). Although south and east of its logical location, this is certainly the monument placed by R. S. Dod in 1909.

The occupied W corners of Section 55 were marked with iron rebars, but no evidence of stone mounds remained at any occupied corners found.

More Dod monuments, reported by others, are as follows:

Stone mound, capstone marked "NW1 D9 DOD". (Grid Coordinates: X=981873.72; Y=801978.11).

Rock mound near fence and south of occupied corner, NE Block D9. (Grid Coordinates: X=1003266.930; Y=800659.95).

The "+SW81" cut in E face of ledge 5 feet above bottom of Sanderson Canyon (by Reavis 1889) marking conflicting SW corner of Block A2, as recovered by others, is at Grid Coordinates: X=980446.49; Y=802592.25.

All our work was tied to U. S. Coast and Geodetic Survey Triangulation Station "NICHOLS 1934", which lies within Section 64, and published grid bearing to the original Azimuth monument was used for coordinates shown. Grid factor is 0.9999117, elevation factor is 0.99988518, and combined scale factor is 0.99979689. Grid declination in South Central Zone at this Station is East 1° 37' 15" from geodetic.

For construction of missing corners the bearing of 6 mile line originally marked from NW Section 63 to NE Section 10 was used. The bearing of the originally marked 2 mile line along the Block between SE Section 11 and SE Section 9 proved to be only 10 seconds of arc off a perpendicular to the 6 mile line, so that



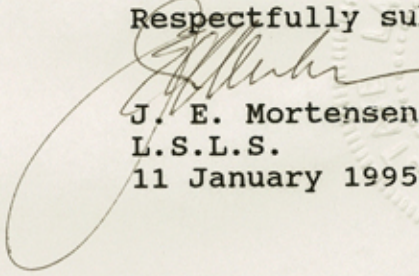
bearing has been used for remaining construction. The distance from Gatlin's SE corner of Survey 10, D10 to Dod's NW Survey 1, D9 is 16151.02 varas or 1900.12 varas per mile, yet the square intersection from Dod's SE 9, D10 to his NE of Block D9 is N 0° 25' 59" E 14219.25 varas (or 1895.90 varas per mile). Dod's common boundary of Blocks D9 and D10 is N 0° 25' 11" E 20092.41 varas, and his N boundary of Block D9 (as recovered by others) is S 88° 05' 42" E 7717.73 varas, whereas his connection from NE Block D9 to Meyers Spring Survey 335 is N 10424.02 varas and E 20642.81 varas (his calls were 10450 vs. and 20907.2 vs., respectively). Continuing Dod's aforesaid bearings within the southerly part of Block D10 to intersect the mapped Rio Grande bank, the net acreage remaining to be patented in Sections 36, 38, and 59 are set forth, and Corrected Field Notes and Rolled Sketch herewith respectfully submitted. All of these files lie within recorded Sanderson River Ranch Subdivision, plats of record in Volume 1 of the Plat Records of Terrell County, Texas.

A cursory check of occupied Blocks lying to E along Rio Grande is as follows:

- T.C. Ry. Co. Block D9
E-W 1895.4 vs. per section (4)
- M.K. & T.E. Ry. Co. Block D4
E-W 1881.6 vs. per section (5)
- M.K. & T.E. Ry. Co. Block D6
E-W 1894.6 vs. per section (7)
N-S 1886.4 vs. per section (4)
(to original RM at SW corner Section 15,
Block D7 E.L. & R.R. R.R. Co.)

The average distance found per section from common boundary of D9-D10 to the hereinbefore cited SW corner Survey 335 is 1884.56 varas per section (E-W) and 1892.48 varas per section (N-S).

Respectfully submitted,


J. E. Mortensen
L.S.L.S.
11 January 1995

