

BROOKES BAKER (1902-1955)
JOHN F. BAKER, CONSULTANT
S. J. BAKER
FRED M. MORRIS
GAREY W. GILLEY

ESTABLISHED 1860
BROOKES BAKER
SURVEYORS

TITLE AND TOPOGRAPHIC SURVEYING
FORT WORTH, TEXAS 76102

511 E. BLUFF STREET
817-335-7151

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General Land Office

SURVEYORS REPORT
BUCKLE L RANCH
COTTLE AND CHILDRESS COUNTIES

Primary objective of survey was to determine boundaries and the acreage within those boundaries of the property commonly known as the Buckle L Ranch in Cottle and Childress Counties, Texas. It was also the desire of the clients requesting the survey to clear up the question of the location of several surveys and also to secure patents for the unpatented surveys contained within the perimeter of the ranch.

Field work was commenced in March 1976 and completed in June 1976. All work on the ranch proper is tied to a closed traverse around the perimeter of the property. Traverse work was done with Wild T-2 Theodolite and Hewlett-Packard Model 3800 EDM equipment. All traverse work was tied to and balanced between National Geodetic Survey Triangulation Stations on or near the ranch perimeter. Work outside the ranch proper is also tied to National Geodetic Survey Triangulation Stations. All bearings and co-ordinates are on the Texas Co-Ordinate System, North Central Zone (See V.A.T.S. Art. 5300a) with the origin of the grid bearing through Triangulation Station BUCKLE.

Surveys in the Waco & Northwestern R. R. Co. Blk. H west of the offset in the south line of the block were originally located by R. B. Thornton, Deputy Surveyor, Jack Land District, in 1873 and patented on corrected field notes from a resurvey by Joe Long, State Surveyor, in 1888. No surveys were patented on original field notes. The position of these surveys was constructed from corners taken to be original corners or perpetuations of originals found at the following locations - the northwest corner of Survey No. 587, the southwest corner of Survey No. 703, the northwest corner of Survey No. 700, and the northwest corner of Survey No. 783

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known as the "Gun Barrel" corner. Base line for the construction in this area was the line from the northwest corner of Survey No. 783 to the northwest corner of Survey No. 700. Excess was prorated along this line and a right triangle constructed with this line as hypotenuse and legs of 3 miles and 16 miles using the prorated length of the mile. The east-west direction given by this calculation was used on all east-west lines in this area. The north-south direction was used on all north-south lines north of the northwest corner of Survey No. 700. North-south distances were prorated between the northwest corner of Survey No. 700 and the northeast corner of Survey No. 587 at right angles to the east-west lines. North of the northeast corner of Survey No. 587 one tier of sections was given the north-south distance shown by J. W. Carroll's "Map of the OX Ranch" dated December 4, 1916. Carroll showed this to be a measurement between what he believed to be original corners and this construction gives a better fit with lands lying outside of the ranch which were patented subsequent to that time on work done by other surveyors. East-west distances were prorated between the northwest corner of Survey No. 700 and the northeast corner of Survey No. 587 and this prorated distance used throughout this area. South of the northwest corner of Survey No. 700 the north-south lines are made parallel to the line from the northwest corner of Survey No. 700 to the ^{North} southwest corner of Survey No. 703. Our work checked Carroll's measurements between these corners very closely and we adopted his measurements plus our small excess for the north-south dimensions of individual tiers of sections to the east of this line.

The Dexter and Poitevent Surveys are located with regard to their calls for the southwest corner of Survey No. 585, Block H and are constructed call distance except for the Poitevent Survey No. 12 which is in conflict with the senior Shelton Survey to the west. The S. P. R. R. Surveys 1-4, the B. B. B. & C. R. R. Surveys 1-2, and the Hoffer, Williams and Waterhouse Surveys are interrelated and tied back to surveys in Waco & Northwestern R. R. Co. Block H to such an extent they have been constructed

see letter from
C.B. Thomson to
Correct -

with the same bearings and prorated distances as applied to the adjacent surveys in Block H.

Surveys to the east of the offset in the south line of the Waco & Northwestern R. R. Co. Block H were originally located by T. C. Shoemaker, Deputy Surveyor, Montague Land District in 1873 and patented on corrected field notes from resurvey by George Spiller, State Surveyor, in 1888. Again, no surveys were patented on original field notes. The position of these surveys was constructed from corners taken to be original corners or perpetuations of originals found at the following locations - northeast corner of Survey No. 546, northeast corner of Survey No. 547, and northeast corner of Survey No. 478.

Base line for the construction in this area was from the northeast corner of Survey No. 547 to the northeast corner of Survey No. 478. As before, a right triangle was constructed and distances prorated. All east-west lines in this area were constructed parallel to the east-west line of the right triangle. North-south lines south of the northeast corner of Survey No. 547 were constructed perpendicular to the east-west lines. North of the northwest corner of Survey No. 547 the north-south lines are oriented parallel to a line from the northeast corner of Survey No. 547 to the northeast corner of Survey No. 546. North-south distances north of the northeast corner of Survey No. 547 were given excess found between northeast corner of Survey No. 546 and 547. Prorated excess from the baseline was used for all east-west dimensions in this area. North-south distances south of the northeast corner of Survey No. 478 were made call (1900 vs.) since no other corners were found.

The west line of the A. Jones Survey was set from its adjoinder with the west line of surveys in Waco & Northwestern R. R. Co. Block H. The east line of said survey was set from location of the northwest corner of the P. V. Tanner Survey as located by a mesquite witness tree found as called. The excess

width of the Jones survey thus found was also given to the B. B. B. & C. R. R. Co. Survey No. 1 immediately south of it as they were both originally located by the same surveyor and call for adjoinder along a common line.

The other two B. B. B. & C. R. R. Co. Surveys are constructed from their tie calls to the adjacent surveys in the Waco & Northwestern R. R. Co. Block H giving the prorated excess east-west and with call distance north-south.

The northeast corner of the William Shelton Survey is located from its call through the abandoned William Donaho Survey to lie 5100 vs. west of the southwest corner of the B. B. B. & C. Survey No. 1, Cert. No. 814, and constructed call distance from that point.

Survey No. 6, W. B. Plemmons Block T is constructed from its adjoinders and Survey No. 7, same block, takes up the space remaining between No. 6 and the Shelton Survey.

Surveys 550-553 were constructed as follows. The east and west lines of these four surveys take the bearings of the adjacent surveys on their respective sides. The south line of Survey 550 is a westward extension of the south line of Surveys 513, 514, and 549. The east-west lines between the surveys to the north are given the same east-west bearing as constructed for the other work by Long to the west. The north line of Survey No. 550 was set at call distance north from the southwest corner of Survey No. 548. A position was calculated for the northwest corner of Survey No. 567 from the "Gun Barrel" corner and a north-south dimension of 2118 varas for the 16 intervening surveys was derived from this calculation and given to Surveys 551, 552, and 553.

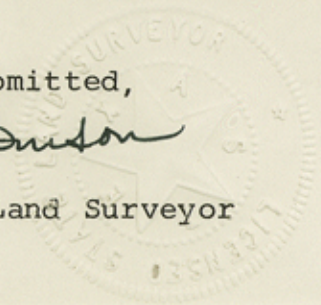
The corrected field notes written for Surveys 514, 546, 548, 552 and 660 of the Waco & Northwestern R. R. Co. Block H, Survey No. 4, S. P. R. R. Co. and Survey No. 2, B. B. B. & C. R. R. Co.

are based on this construction. For further detail see sketch
filed with this report.

Respectfully submitted,

C. B. Thomson

C. B. Thomson
Licensed State Land Surveyor



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JUN 30 1976

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File No. Sketch File H
Cattle County

Surveyors Report

Filed June 30, 1976

BOB ARMSTRONG, Com'r

By Brooks Baker, Surs.
C. B. Thomson

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BROOKS BAKER
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