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JAN 25 1912

Referred to Map

*For Sketch Filed with
this Report See Upton
County Ralied St. No 8
5/14/38 J.S.M.*

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Referred to Map

Alpine, Texas, Jan 15 1912

Hon. J. T. Robison,
Commissioner General Land Office
Austin, Texas

Dear Sir,

I beg leave to offer the following report of the facts developed in the recent survey made under your instructions at the request of the K.C.M. & O. Ry. Co. in Texas, in Crockett, Crane and Upton Counties, Texas.

A Report of progress already forwarded to your Office gives the facts found on a preliminary survey from the Pontoon Crossing of the Pecos River to the N.E. corner of survey 3 Blk. 1 M.K. & T. Ry. Co. in Upton Co.

A further report on a resurvey of the Lines of Survey 2 in the name of A.E. Baxley, relates that the corners of surveys 3.18.19.34. M.K. & T. Ry. Co. Blk. 1 were placed on the ground as directed by you under the facts reported. This line of corners along the south line of said surveys in Blk 1, being placed 1900.8 varas apart on a line run west from a point 1900.8 varas south of the original N.E. corner sur 3 Blk. 1 M.K. & T. Ry. Co.

The course, or magnetic variation of this line was taken from the readings on the mountain bearings given at this original corner of survey 3, and checked by the run from the Pontoon crossing as reported.

This line of corners was continued west and the S.W. corner sur 2, and S.W. corner survey 3 G.C. & S.F. Ry. Co. were marked. As shown by the small circles on the Map attached to this report and made part thereof.

At the S.W. corner survey 2, we placed a rock mound on a rocky point on south side of a draw, 1900.8 varas west of the S.W. corner sur 34, and 555 varas west of the N.W. corner of the Baxley sur. No. 2, from which rock mound a windmill bears S 67° 15' W, and the West point of a mountain bears N 62° W,

At the S.W. corner of survey 3, we placed a mesquite stake marked S.W. 3, in a gravel mound set 1900.8 varas west of the S.W. corner survey 2, as above described, this stake is near a road to the windmill, from this stake the windmill bears S 41° 36' W, west point of a mountain bears N S 20° 15' W, East point of a mountain bears N 28° E.

We then went to the N.E. corner of survey 77 block 35 H. & T. C. Ry Co, as fixed by the resurvey field notes of Mr. Neyland. This corner was easily identified by the description in the field notes and further identified by running S 50° E to the resurvey corner N.E. 5 Blk. 36 H. & T. C. Ry. Co. identified by its bearings.

This N.E. Corner sur. 77, or N.W. corner sur 5, is the S.W. corner of the R.T. Co. sur. 1. From this point we ran N 45° E 2688 varas and placed a rock mound to mark the N.E. corner of said sur 1. R.T. Co. from which the East point of a long mountain bears S 43° 05' E, and a windmill bears N 77° W,

From this point we ran north and at 1544 varas reached the south boundary line of survey 3 G.C. & S.F. Ry. Co, as above described, 33 varas east of the S.W. cor. said sur 3.

Another sur. 3 G.C. & S.F. calls to begin 391 varas ~~xxx~~^{east} of the S.W. corner of the upper sur 3 and run south 1823 varas, which distance would conflict with the north line of the R.T. Co. surveys some 279 varas, as shown by dotted line on Map.

From The N.E. Corner sur. 77 we ran to the N.E. corner sur 65 H&TCRR Blk. 35. along this line runs a pasture fence. At the point reached for the N.E. cor. sur. 65 we found a rock mound which fitted the bearings given in the resurvey field notes of the Block.

Connecting with the centre line of the R.R. (K.C. & M.O.) we ran down the centre line to the north line of survey 61 at a point 507.8 varas east of the north corner of said sur 61. here we found a rock mound fitting the bearings in the field notes.

We went to the ~~xxxx~~ East corner of 44 as shown us at an iron pin. But this point would not fit the calls in the field notes, which are for a point of mountain S 2 3/4° W, and a point of mountain N 1 1/2° E. This is nearly on line and the iron pin would not fit by several degrees.

We ran east from the pin and came out short in distance and south in course from the south corner of sur. 56 a rock mound easily identified by calls in field notes. We ran south ^{40° W} from the pin and found the two rock mounds called for on the east line sur. 44 to be about 180 varas N 50° W. Both identified by bearings.

Running back N 40° E 1900 varas we found an old mesquite stake hidden by a thorn bush which fit the calls for the east corner of sur 44, fit the two corners S 40° W, and fit the South corner 56. We placed a rock mound around this old stake.

From the South cor. 56 we ran N 40° E and found the south corner 55 as described in field notes, the south corner 54, and closed on south corner 53 or north

See Dade's sketch and report in Box. 5-38027 affecting this work.

counter 38850

corner 61, as above described.

Returning to the south corner 44 we ran N50°W and at 968 varas found a point 13 varas from an old rock mound as described by Mr. Neyland. Running S 40°W we found at 1942 varas the other old rock mound described in the field notes.

From this point we ran N 50°W across survey 13 Blk 31, and then ran a traverse south west to the rock mound called for ~~xx~~ on west line survey 11 Blk 31, which we found 332 varas from the river. I would say in general that we had no trouble in retracing the lines of the resurvey of Blocks 35 & 31 H. & T. C. Ry. Co. though we found some small discrepancies in course and distance. But these irregularities were within a margin of 25 to 30 varas excess in distance to the mile, and some 15' in course between corners.

Judge Ainsworth of Upland Co. kindly showed me a report of a resurvey of the county line between Crane and Upton Counties. As I understood him this line had been legally run by the proper officials but had not been accepted as yet.

The run was made from some point north and called for 36 miles south, and the field notes stated that a mesquite stake 8"x8" marked SE Crane, SW Upton had been set in a mound of earth and rock, and some broken pieces of a jug scattered on the mound. This was called for S 26 1/2° E 1137.6 varas from the N.W. corner of sur. 41, Blk 35 H. & T. C. Ry. Co. The plat shows that their connection was made with a corner in a block lying west of Blk 35 and not with any corner in Block 35.

Mr. Rawlins was there at the time this stake was set and he showed us the stake. It was a cedar stake about 3"x3" and marked as described, set in an earth mound with a few rocks, and the pieces of broken jug.

We ran south to the R.R. centre line from this stake and reached a point some 1400 varas ~~xxx~~ N23° 18' E from a point in the North line of sur. 44 39 1/2 varas S 50° E from its north corner.

This would place the County corner on sur 46 and not on sur 41 nearly a mile difference. We went back to this stake and ran to the north corner of sur 46 as shown on the map. Here we found an old rock mound which fits the bearings, and on turning a course S 5° E we could see the little glade in which we had found the south corner of 56. We could not see the corner but the locality was unmistakable.

This run fixed the relative position of Blk. 35 H. & T. C. the R. T. Co. Blk. the M. K. & T. 1, and the two surs 3 GC & SF. Between these lay the GC & SF 7 & 8 and a strip and the John Nidever, I had no field notes for corners on these surveys and have sketched them in by course and distance. The McAfee strip I had no field notes for, and simply dot a line to show its position on Co. Map.

The corners of the surveys on the ground were tied to the centre stakes of the R.R. about every three miles as requested by the K. C. M. & O. Engineers. This gave us nice checks on both course and distances especially along their tangents where the centre stakes were set by chaining along a cleared and level line, while our line was taken across country with brush and hills to cross.

Having made this run from the east line of the M. K. & T. Block to the Pecos we went east on the R.R. to see whether there was any error in the mapped location of the line.

Bearings are called for in the original field notes of sur 1 Blk 58, and N.E. cor 1 E. L. & R Ry Co. and again at the S.W. corner H. E. & W. T. Ry sur 24, & N.E. cor. sur 14 GC & SFRy Co.

County Surveyor Cushman told me that he and Mr. Purcel, the Engineer employed by the K. C. M. & O. Ry. to lay out the town of Rankin on sur 24, had gone to the original N.E. cor 1 Blk 58 identified by its bearings and from that point ran west and at one mile found a rock mound corresponding to the calls for N.E. cor sur 1 ELRRRy. On west had set a rock for the S.W. cor sur 24, on west to original N.E. 14. I also later saw the young man who had helped chain on this run and he confirmed Mr. Cushman's statement. I went with Mr. Cushman to the rock set by him for the S.W. cor. 24 and set up the instrument and tested the bearings. One call is for a point of mountain S 15 1/4° E there is room for a 4' variation in reading on this end of the mountain. The other call is for the two ends of ~~the same~~ one mountain described as flat topped, the transit reading between the N & S point is 2 1/2° and the south point reads S 76° W the north point S 78 1/2° W.

I am satisfied that the rock placed by Mr. Cushman is very close to the position of the original corner at this point.

About 500 varas north of this rock I was shown a mesquite stake which was said to have been placed there by Mr. Estes for the S.W. corner of Sur 24.

I set up near this stake (it was under a fence) but could find nothing to satisfy the calls for bearings at this point.

I was satisfied that the rock above described was near the original corner and that it had been set in line with two original corners east as above noted and this would fix the survey lines of this block and I made no further investigation here as it seemed unnecessary in view of the facts.

I then went to a rock mound set by Mr. Cushman at the N.E. cor sur 11 and S.W. cor. sur 14, made from original N.W. 14. We ran south 1500 varas to the R.R. centre

3
stake 659 plus 20'. The S.W. Cor. sur 24 was (vid. Map) 313 varas south of stake 468 plus 82, the course of the tangent is S 57° 15' W, figuring this showed that the S.W. corner sur 11 was, as marked by the corners above described, ~~3797~~ 3797 varas south and 5762 varas west of the S.W. cor 24 as above described. Now as this row of corners east and west would seem to show that the line had been originally run east or west, and as in every other case we find an average excess of 20 varas to the mile in the old measurements, it would seem that the surveys up to this point were correctly marked as following the original footsteps.

We had now reached the east line of the University Blk 15. From the data at hand I could find but three theories on which to build up this Block.

First from the large rock mounds called for at the Block corners.

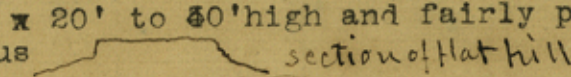
I looked for two of these and failed to find them and could find no one who had ever heard of one of these corners being found. I dismissed them.

Second, course and distance from the Pontoon crossing. This as shown in former report would pull the Blk down 220 varas ~~xxx~~ south of the M.K.&T. corners, while if we take the average excess in the old measurements it would bring them back to the M.K.&T. Corners, as located from original N.E.3.

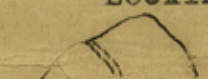
The third is a set of bearings given on the working sketch kindly sent me from your office, for the N.E. cor. sur 13 Blk 15.

These read S end flat hill bears S 82 1/2° W, N end flat hills S 86 1/2° W
Round hill S 30 3/4° E. ~~Round hill S 30 3/4° E~~

I moved south from the rock pile set for N.W. 11 GC&SF above described, as it was cut off from the S 86° W course by a long low hill. When I had run about 1000 varas I came into plain view of a flat topped mountain ~~xxxxxxx~~ the N & S points of which subtended an angle of about 4°.

I continued south until I got the course S 86 1/2° W. The ends of this mountain are made by a rim rock probably ~~x~~ 20' to 30' high and fairly perpendicular, giving a pretty clear reading, thus  section of flat hill

Looking south east we could see a low white lime hill, round topped thus

 section of round hill

Moving along the course from the flat topped hill until the top or high point of the round hill read S 30 3/4° E, some 600 varas north and 100 varas west of the S.W. cor 11 GC&SF. But on the east end of the round hill is an outcropping ledge which looks at the distance like ~~xxxxxxx~~ the outline of a small round hill. Taking this point as the bearing moves the corner some 80 varas east. Here I found an old mesquite stake ~~xxxxxxx~~ trimmed and headed for driving and split by driving. It had been broken off close to the ground and lay in a drain where it had been washed, probably not very far. But although old it did not seem to me to be quite weathered or worm eaten enough for the age required by date of original survey.

However the two bearings would place the corner about 541 varas north of the S.W. cor sur 11, and were the only landmarks I could find or hear of in Blk 15, so I have placed that block in the position given by them relative to the adjacent Blocks and the R.R. centre line.

Taking the centre line from the point where the east line of sur 13, thus placed will cut it, ~~xxx~~ to the point where the east line of Sur 3 MK&T Blk. 1 cuts it and the tangent running S 57° 15' W shows that the N.E. cor sur 13 is 7637 varas east and three miles and 121 varas north of the S.E. cor sur 3 MK&T.

The tier of surveys GC&SF between University Blk 15 and the MK&T are placed from the University corners as they call for them all the way up the line and ~~xxxxxxx~~ I found nothing on the ground to break the call.

There seems to be great uncertainty in the country as to the position of the University Blocks.

In general it would seem as though the original corners and land marks found are sufficient to locate definitely all blocks except the University, and the bearings at N.E. 13 though not absolutely definite would seem to show that this corner could not ~~xxxx~~ have been placed far from the point above noted. and the slight excess of 37 varas in easting and westing in the four miles shows that there is no vacancy between the blocks. It is simply a question of nothing

Respectfully submitted

R L Dod
State Sur

Sketch File No. "S"

Upton County

Report by

R. S. Dad

Filed Jan. 25, 1912

WM. H. McDONALD, Com'r

5/10/38 - Woodland

Line of N. C. & Ry. in Upton & Crashelet
Vicinity of Bkt. 35

Descriptive: For Sketch

See Upton County

Rolled Sk No "8"

5/10/38 - J.L.W.