

A. D. KERR,

County Surveyor.

...BAYLOR COUNTY...

SEYMOUR, TEXAS, April 30 1902

895
 Hon. Charles Rogers
 Land Commissioner

Dear Sir,

I enclose you herewith a sketch of part of Hale and Lamb Counties. It is explanatory and is to accompany corrected field notes of surveys nos 2, to 30 Block 05 forwarded to you some time since. Since making the Resurvey of BLK 05, I have also made a connection from the S.E. cor of survey no 57 BLK T2, 420 vs South of the S.W. cor of BLK A, L 2nd 5 v RR Co. The corners ^{of 57} agree very well with a line run by Mr Col. R.P. Smyth.

It is impossible to close out this strip entirely and if BLK 05 is located from the N.E. cor survey no 19 BLK 5.1. then there will still be a vacancy between T1 v 05. We cannot make 0, 02, & 05 conform to the line of S1 and at the same time conform to J.K. 4. There is only one party in BLK 0 on what is called the D & White Line (parallel to S1, all the others are still south of my line making the strip wider.

But I think Mrs Smith erred in running these blks at the same variations as J K 4, while they were

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put in at 30' less than J.K. 4.

Please add the variation to the field notes I sent you. Variation $N 11^{\circ} 45' E$,

A question of theory enters largely in to the method of running these surveys as well as practice. The Nat. Variation at Seymour is $9^{\circ} 46'$

" " " " Galveston is $10^{\circ} 46'$

as per report of F.M. Little of the U.S.G. & G.S.

If the same increase prevails going westward the Nat Variation at Survey No 9 Blk JK (where I began will read something more than what I ran at, and would fall still farther south at 05 than I did. you will notice the increase is nearly about 1' to mile. This is true in practice as I ran west starting at $11^{\circ} 20'$ and at Blk 05 N.W. Cor of Blk the Vernier reading was $11^{\circ} 45'$ an increase of 25' in 22 miles. Mr W.A. Jones and Col. Smith both say it necessarily increases Mr Jones says more than 1' to mile.

I make this explanation because in my connecting line I give you as $11^{\circ} 20'$ and field notes say $11^{\circ} 45'$

B'

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County Surveyor

Please report in this matter at your earliest
convenience as I have other field notes to
return, but don't want to make the survey
until I hear from you.

Yours Truly

A. D. Kerr

Sur. B. L. D.

B2