

A. D. KERR,

895
County Surveyor.

....BAYLOR COUNTY....

SEYMOUR, TEXAS, April 30 1902

Hon. Charles Roger
Land Commissioner

Dear Sir:

I enclose you herewith a sketch of part of Hale and Lamb counties. It is by planimetry 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 4, L 3rd 5 & RR le. The corner ^{of 57} agrees 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.C. cor. survey no 19 Blk 5.1. there will still be a vacancy between T1 & 05. We cannot make O. 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 & W line (parallel to S1, all the others are still south of my line making the strip wider).

But I think Mr Smith erred in running these blks at the same variation as J.K. 4. while they were

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190.

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

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

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

" " " " Galtis is $10^{\circ}46'$ as per report of F.M. Little of the U.S.C. & G. S. If the same increase prevails going Westward the Nat variation at Survey No 9 Blk TR (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 Connecticut line I give var as $11^{\circ}20'$ and field notes say $11^{\circ}45'$

B'

counter 29345

Over

Gounty Sheriff

Please report on 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

A. D. Kerr

Sur. B. L. Draper I
as far as possible with pictures & further
will endeavor to indicate best method
of procedure.

I think it is best to keep a
constant group of surveyors connected with the
office. It will be preferable to retain the
best surveyor and have him supervised by
the rest of the staff. This can be
arranged so that each job can be
finished in and out within a day or two.
I would like to have each surveyor be
responsible for his own work and if he
has work well out which is to be so
arranged that he can do it himself. And
then if I need another surveyor all
I would just hire another individual and have
them work with him until he has
finished just his current interval and then have
him leave.