

W. D. TWICHELL
AMARILLO, TEXAS

RECEIVED

JUN 25 1915

Amarillo, Texas, June 23rd 1915

Hon J. T. Robison,

Referred to Map

Austin, Texas.

Dear Sir;

I have finished the work on the ground in Blk. H and Gain
Gaines county and I am preparing my report. The chain carriers
I had on the ground in 1902 were thoroughly trained and stretch-
ed their chain so perfectly that chain carriers with less skill
are not able to reach their distances without adding two to five
varas for each mile. The country is slightly rolling, some of it
hilly, and practically all of it covered with shinnery. My expe-
rience is that shinnery will consume two to five varas distance
per mile with ordinary chainmen. All this has led me to con-
clude that the chaining in 1902 is entirely correct and the
length of mile at that time should be adopted as the correct
distance in reporting this survey. Please let me know if you en-
tirely agree with me and if you consider it proper to report the
survey on this basis.

Another difficulty is presented because the E, N, and S lines
of this large block were fixed by the 1902 survey so that
now when the perimeter is completed by projecting the spherical
rectangle around the west part of Blk G an actual spherical
excess appears in the interior of the Blk. amounting to about
three ^{each side} varas. It is quite proper to take care of this spherical
excess east and west by adding it to the distance called in
the field notes along the parallels but the same excess also
appears on the meridian because the perimeter was first estab-
lished and I am at a loss to know what is proper in reporting
these lines N and S. The work done in 1902 is unusually accu-
rate so I have conformed this work implicitly. A further reason
for this is that surveys made since 1902 have undertaken to
conform to my 1902 corners. In most instances the surveyors
were unusually successful hence the differences thruout the
Blk are very slight. A few large differences appear in the
older locations but all concede these older locations are not
correct hence they cause no friction.

The result is that conforming with the 1902 survey
implicitly appears to give complete satisfaction to all inter-

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6-28-15
Clark

Yd

W. D. TWICHELL
AMARILLO, TEXAS

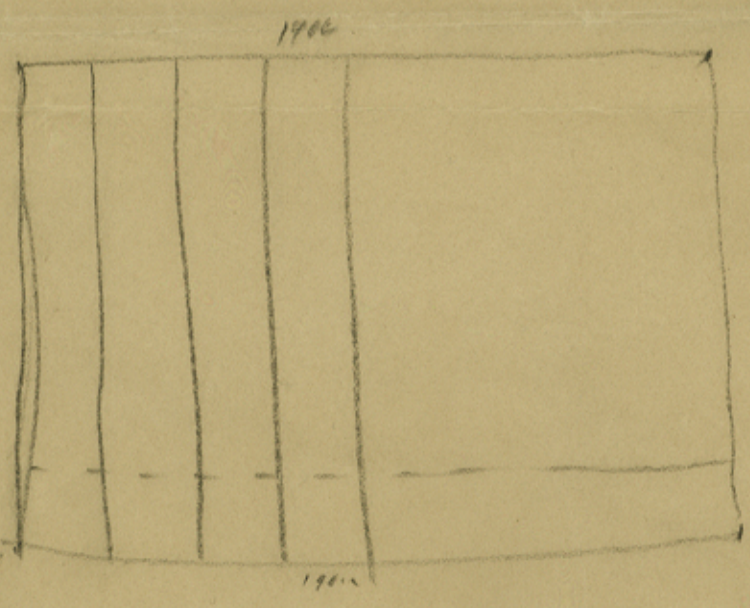
ested including all settlers and all land owners. No other construction would do this, hence it occurs to me that the 1902 survey should not be distorted on account of a slight spherical excess or on account of a slight personal parallax in the chain carriers.

Please advise me promptly in these matters. Other duties are pressing me with this report.

Yours truly,

W D Twichell
State Surveyor.

*Received from W D Twichell
County Clerk
1902*



Yd'

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Sketch File No. "7"

Gaines County

Letter from
W.D. Twichell

Filed June 25 1915

File Clerk

Descriptive: Letter from Twichell
stating that he had finished
ground work in Blocks H. & G.

Yours truly,
W.D. Twichell
State Geologist

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