

Sic. Letter Vol-572a  
Page 100 and 304

Amarillo, Tex Jan 4<sup>th</sup> 1900  
Hon Chas Ragan,  
Austin, Tex.

Dear Sir:

In response to your favor of  
the 10<sup>th</sup> inst. regarding about my  
connection from Double Lake  
to Rock Lake in Lynn County  
I herewith hand you a complete  
copy of my field book along  
the 13 miles in question.  
After running 6 miles north  
from #3190 I ran west.  
As follows:- (Mag. 11° 30' E)  
at 800 paces a basin bears S 20°.  
at 2360 " " " " " S 15°  
at 3800 paces a point = 2 miles

Thru west

R

- at 1424 Naras Cross fence.  
 at 1800 touch south edge of lake  
 at 2840 " North " " "  
 at 3538 wind mill bro A.R.  $22^{\circ} 18'$   
 at 3800 up joint. = 4 miles

Thruce West.

- at 240 lake bro S, 50  
 " 1120 " " S. 200  
 " 1923 wind mill (Damer) A.R.  
 $58^{\circ} 23'$   
 " at 2200 lake bro N 300.  
 " 3800 = 6 miles.

Thruce West.

- at 720 Spide of deep lake basin  
 " 2055 wind mill A.R.  $20^{\circ} 30'$   
 " about 2600 cross road W of N.  
 " 3200 lake N 200  
 R " 3800 opting S E edge lake = 8 miles

Thruce West.

at 160 S edge of lake basin

at 2160 lake basin brs 200 N.

at 3800 a point in sand. = 10 miles

Thruce West.

at 200 Camp at water hole 150 N.

Aug 31<sup>st</sup> 1892.

at 1000 Varas Center of basin  
surrounded with sand ridges.

at 2320 lake N. 700.

at 2740 " S 500. N V N.

wind mill bears A.R.  $9^{\circ} 14'$  (at  
ranch)

at 3800 point in firm mesquite  
flat = 12 miles.

Thruce West at 1040 center of basin

at 2379 wind mill at Men Ranch

bears N  $56^{\circ} 52' E$ , at 2734 Road

(SW) at 3800 pt = 14 miles

Thrucer West, at ~~28300~~  
 at 800 vrs basin S 200.  
 at 1400 " a point  
 Thrucer N 53° 02' W. at 988  
 vrs two stours. Whence spring  
 at North end of Rich Lake  
 bears S. 6° W 689 varas.

My note for identification reads:-

Beginning at spring at North  
 end of Rich Lake. Thrucer N 6° E  
 at 689 varas two stours. Mr.  
 Q Bour says there were 3 stours  
 and a buffalo head and a dirt  
 mound at this point in the  
 spring of 1885. Spring is in a  
 group of lake.

Thence East (Mag.  $110^{\circ} 45'$ ) at 1906  $\frac{4}{10}$  mo  
 a mound <sup>and</sup> 2 pits bears  $S 15^{\frac{4}{10}}$  Varas.  
 pits very old.

My estimate for correcting  
 variation for this connection  
 was -  $48'$  making the certificate  
 read as surveyed with magnetic  
 $100^{\circ} 42' E$ , as follows.

Total ~~departure~~ divergence for  
 15 miles + 289 Varas = 402.

$$594 - (402 + 15) = 177 \text{ Excessive N}$$

$$283 + 160.8 = 443.8 \text{ " W.}$$

So the certificate should read  
 14 miles + 443.8 Varas. and I  
 do not understand how this + 443.8  
 Varas could have been omitted  
 in writing the certificate, as

H  
R

The full estimate shows plainly in my field book, from which the Certificate was taken.

This survey was made for the purpose of finding and identifying the corner at Rich Lake with a view of determining the amount of land which had been located in New Mexico.

After I had found and identified the corner at Rich Lake I took a double reversed observation on Polaris and determined the true magnetic variation which proved to be  $10^{\circ} 56' E$ , and my work in Goshute was done <sup>to the right of</sup> the true course proved by night observations. I mean to say by

observations taken after each days work.

The 15 miles in operation was measured with a 40 Varas steel tape and 3800 Varas was measured before the Chainmen changed call. Hence a two mile error would occur if any. But since each two miles is identified by calls for natural objects at varying distances along its course, and none of these descriptions coincide, showing <sup>thereby</sup> that a tally of two miles was repeated, I am convinced that the full 15 miles + 443<sup>8</sup> Varas is upon the ground and if my numerous errors are

correctly this view was corroborated  
by the amount of conflict with  
New Service, which indicated  
two miles had been omitted.

I will be greatly pleased if  
you can send me a blue print  
of Cochran when you have it  
completed; also one of Lynn  
showing this correction to its effect,  
if the favor is not too much  
bother to you.

Hoping my explanation is  
full, clear & will prove a  
benefit I am

Yours respectfully,  
W. A. Swickel



R9

SK. File 3.  
Lynn Co.

Letter of  
W. D. Mitchell  
as Regards  
Convention fr.  
Double to Rick L.

Filed in Genl  
Land Office  
Jan 20<sup>th</sup> 1900.

Lynn County  
Sketch File No. 3

*[Faint mirrored handwriting, likely bleed-through from the reverse side of the page]*

*[Faint mirrored handwriting, likely bleed-through from the reverse side of the page]*

R9