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METCALFE ENGINEERING CO.

PHONE 2-8127
AUSTIN 22, TEXAS

February 10, 1949

Mr. J. Bascom Giles
Commissioner of the General Land Office
Austin, Texas

Dear Sir:

I have made surveys in Webb County, Texas, of the H. and O. B. Railroad Company Survey #1245 and the H. & O. B. Railroad Company Survey #1246 and have prepared field notes of each survey and one map which shows both of said Surveys in relation to corners and lines of other Surveys in the adjacent neighborhood.

I found four corners which I considered were original monuments either placed or used by Samuel M. Jarvis in connection with his surveys made in the years 1873 to 1880, said four corners being located as follows: The northeast and northwest corners of the B. S. and F. Survey #941 and the northwest and southeast corners of the James D. Vermillion Survey #96.

To establish the west lines of Surveys #1245 and #1246 I went to a stone which I considered the southeast corner of the James D. Vermillion Survey #96 and ran NORTH 3269.1 varas and found another stone which I considered to be the northeast corner of the B. S. and F. Survey #941 and the northwest corner of the H. and O. B. Railroad Company Survey #1245, I have based all bearings shown in connection with my surveys on this line as being due NORTH and found that I had a variation of 10° 32' E.

To establish the north line of the H. and O. B. Railroad Company Survey #1245 I adopted the south line of Survey #1682 as reestablished by E. J. Foster in October 1946. I found on the ground that E. J. Foster had used the same stone for the southwest corner of Survey #1682

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that I consider is the northwest corner of Survey #1245, and also found a 2" pipe and white stone near the northeast corner of Survey #1245 on the west line of the Caliches and Aguilares Road, as called for by E. J. Foster in corrected field notes of Survey #1682 and used in a patent from the State of Texas to Mrs. Freda Y. Derby.

To establish the east line of Surveys #1245 and #1246 I found a $1\frac{1}{2}$ " pipe used and recognized as the northeast corner of Survey #276 and from this pipe I ran N 89° 54' W 1900.8 varas and fixed a point which I used as the northerly end of the division line between Survey #276 and Survey #1680. I then went to the southwest corner of Survey #25 and found a $1\frac{1}{2}$ " pipe and ran WEST 47.0 varas and established a point which I considered to be in the west line of Survey #232. I found a 2" pipe which is being used and recognized as the southwest corner of Survey #232 and ran N 0° 15' E for the west line of Survey #232 and found that I was 47 varas west of the southwest corner of Survey #25. I find a fence at or about the south lines of Surveys #988 and #987 I measured westerly along same from the west line of Survey #232 as reestablished by the foregoing method, a distance of 3800 varas and set an axle for the southeast corner of Survey #1245 and the northeast corner of Survey #1246 at a point which is due EAST from the stone that is recognized as being the northwest corner of the James D. Vermillion Survey #96. I considered this to be the most southerly control point for the common line between Surveys #1680, 1681, 1682 and 1245 on the west, and Surveys #276, 228, 227 and 988 on the east, and connected this point with the point previously established, N 89° 54' W 1900.8 varas distant from the northeast corner of Survey #276 and found that I had a bearing of N 0° 19' E.

To establish the southwest corner of Survey #1245 and the northwest corner of Survey #1246 I ran due EAST 1342.1 varas from

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the stone recognized as the original northwest corner of the James D. Vermillion Survey #98 and intersected the west lines of Surveys #1245 and #1246, established as previously set forth in the third paragraph of this report, and placed an axle for corner.

To establish the south line of the H. and O. B. Railroad Company Survey I considered the fact that the State had already issued a patent to the H. E. and W. T. Railroad Company Survey #741 in partial conflict with Survey #1246, and that the north line of said Survey #741 as patented was an extension of the north line of Survey #470. I found a 2" pipe recognized as the northwest corner of Survey #470 and another 2" pipe as the northeast corner of Survey #470 and using said corners I extended this line S 80° 04' E to an intersection with a southerly extension of the east line of Survey #96 and the west lines of Survey #1246, and continuing the record distance of 1382 varas I placed an axle for the northeast corner of Survey #741.

To establish the balance of the south and west lines of Survey #1246 I respected the locations made by E. J. Foster, County Surveyor of Webb County, Texas, as indicated by Webb County Roll Sketch File #60 on file in your office, which roll sketch was submitted in connection with corrected field notes of Surveys #742 and 744. To coordinate my survey with that of Foster I found the 2" pipe placed by E. J. Foster many years ago at the northeast corner of Survey #470, also a 2" pipe at the southeast corner of Survey #470, and a fence corner at the northwest corner of Survey #472. The fence runs both south and east and is a part of the enclosure of Survey #472. I found that the bearing of this line using my variation of 10° 32' E was N 10° 13' E as compared to N 10° 00' E by E. J. Foster using a variation of 10° 20' E.

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recognized use.

eastery corners of surveys already established by monuments and
 229 to have their record width when reestablished from recognized
 replaced by me passed upon following surveys #246, 228, 227, 226 and
 1919.4 varies distant from the southeast corner of survey #1346 as
 for the southeast corner of survey #1346, which axis is S 0. 12, W
 from said axis N 89. 52, E and at 1309.4 varies I placed an axis
 distant from the southeast corner of survey #29. I then continued
 241.3 varies, S 80. 04, E 699.4 varies and S 10. 13, W 201.3 varies
 set an axis for another corner of survey #1346, which axis is SOUTH
 variation and I intersected the east line of survey #141 where I
 direction as used by H. J. Foster of N 89. 39, E with a different
 I then ran N 89. 52, E which I considered was the same
 varies less 1344.0 varies which equals 226.8 varies.
 of survey #1346 and the eastery line of survey #29 would be 1300.8
 survey and noted that the difference between the westerly line
 corner of survey #1346 I considered the original field notes of said
 In addition to finding Foster's relocation of the southwest
 his 1946 surveys.
 a small pile of stone placed by H. J. Foster in connection with
 #29 and ran SOUTH 556.8 varies and found that I was 3 varies west of
 I then went to the stone at the southeast corner of survey

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Sketch File No. 65

Webb County

Surveyors Report

Filed February 14, 1949

BASCOM GILES, Com'r

W. von Rosenberg
File Clerk

See Rolled Sketch 65
for Surveyor's
Sketch

Licensed Land Surveyor
Orin E. Westgate

Respectfully submitted,

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