

Survey No. Made on Oct. 4-5-6, 17-18-19, 1950
 In Town. 27S Range 3 W Sec. 5
 Purpose of To establish North and South midsection
 line of Sec. 5

C.S. File 44/61

M16-71

This survey was made as a legal survey at the request of Mr. F. C. Heinz. Official notices were sent to the following by registered mail with return receipts requested.

Mr. F. C. Heinz
 Mr. Walter E. Mask
 Mrs. Leona Creason Koff.

The survey was started on October 4, 1950 with the following crew.

A. R. Evans, Deputy County Surveyor, chief of party and transitman
 Milo E. Godfrey, Head chain
 Ray G. Irving, Rear chain.

Ben B. Irving, County Surveyor, and N. D. Richardson, Deputy County Surveyor, were present a part of the time.

The beginning point of the survey was the $\frac{1}{4}$ Section corner between Sections 5 and 8, T 27 S, R 3 W, N.M., which is a $\frac{1}{2}$ in. iron pipe set by Ben B. Irving, Deputy County Surveyor, August 12, 1939, and witnessed by

An 18" Fir, S 20° W, 4 lks.
 An 18" Fir N 20° E, 4 lks. and
 A 20" Fir, N 65° E, 57 lks. as shown by the records in the County Surveyor's office.

A traverse was run north to intersect the North $\frac{1}{4}$ Section corner on the township line between T 26 S, R 3 W, and T 27 S, R 3 W.

A diligent search for the $\frac{1}{4}$ Section corner failed to show any evidence of the original corner. It was decided to re-establish this $\frac{1}{4}$ Section corner by proportionate measurement, since the destruction of all evidence of the original location made any other method of re-establishment unfeasible.

A traverse was run from the corner to Sections 32 and 33, T 26 S, R 3 W, and Sections 4 and 5, T 27 S, R 3 W, which was identified from the four original Bearing Trees — A 40" Black Oak, N 15° W, 263.3 ft., dead and down but scribe marks visible; A 15" Black Oak, N 70° E, 156.4 ft., dead and down but scribe marks visible; An 18" white Oak, S 26° W, 158.0 ft. alive and a 24" Laurel, (now 36") S 29° W, 52.1 ft., alive. A $\frac{1}{4}$ in. iron rod and mound of rock was set for this corner and the following new Bearing Trees were blazed and scribed which are:

A 24" Cedar, N 59° E, 74.5 ft. Marked T 26 S, R 3 W, S 33, C S B T
 An 18" Cedar, S 53° E, 21.0 ft., Marked T 27 S, R 3 W, S 4, C S B T
 An 18" Cedar, S 42° W, 46.0 ft. Marked T 27 S, R 3 W, S 5, C S B T
 An 18" Cedar, N 64° W, 89.2 ft. Marked T 26 S, R 3 W, S 32, C S B T

to the corner to Sections 31, 32, T 26 S, R 3 W, and Sections 5 and 6, T 27 S, R 3 W, location of which was established from one original Bearing Tree — An 8" white Oak (now 15") N 23° W, 55 lks.

A $\frac{1}{4}$ in. iron rod was set for the corner and two new Bearing Trees were blazed and scribed, which are:

A 20" Fir, S 32° W, 30.9 ft., Marked T 27 S, R 3 W, S 6, C S B T
 A 30" Black Oak, N 45° W, 65.0 ft. Marked T 26 S, R 3 W, S 31, C S B T.

No other suitable trees are available.

The true bearing and distance of this line was determined to be S 89° 36' E, 5288.9 ft. The $\frac{1}{4}$ corner of Sections 5 and 32, was established at the mid-point of this line, by setting a 1 in. iron pipe with brass cap, marked County Surveyor's Office $\frac{1}{4}$ Corner S 32, T 26 S, R 3 W, and S 5, T 27 S, R 3 W, and two Bearing Trees were blazed and scribed. These Bearing Trees are:

An 8" white Oak, N 60° W, 19.1 ft. Marked T 26 S, R 3 W, S 32, C S B T
 An 8" white Oak, S 53° W, 53.6 ft. Marked T 27 S, R 3 W, S 5, C S B T.

This $\frac{1}{4}$ Section corner was connected to the traverse previously run from the South $\frac{1}{4}$ Section corner of Section 5.

The resultant bearing and distance of the North and South mid-section line was determined to be N 0° 19' E, 5339.6 ft.

All bearings in this survey were computed from angles turned in deflection from a true meridian established by a Solar Observation, taken during the course of the survey.

A Buff and Buff transit with plates reading to one minute of arc, in good adjustment and repair was used, and all angles were doubled. All chaining was carefully done by experienced chainmen, using a new K. and E. 300 ft. tape. Measurements were made on the slope, vertical angles were carefully recorded, and distances reduced to the horizontal.

The attached map is a part of this record, and shows the results obtained in this survey and the relation between the line and an old fence line.

All field notes and computation sheets are in the files of the County Surveyor's

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Office in Drawer 44 File 61.

Arthur R. Evans
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Deputy County Surveyor

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