

SUMMARY OF FIELD PROCEDURES
INVOLVED IN SURVEY OF THE R.G. BEEBE PROPERTY

The property to be surveyed lies wholly within section 24, T4N, R28E. The initial problem was to locate the four corners of the section. This was accomplished in the following manner:

a. Southeast corner: Maps of the UPRR yard at Hinkle indicated that the east quarter corner of section 25 lay 2457.60 northerly from the intersection of the main line with an overcrossing, and 2636.60 from the SE corner of section 25. A wood hub was found in the location of this section corner, and a distance of 2636.60 was measured northward from it along the centerline of the county road. Dug in this area and uncovered several bits of charcoal which was accepted as satisfactory evidence of the original corner. Marked the point with a $\frac{1}{2}$ inch steel rod. Repeated this distance northward along county road, again dug, but found no evidence of any section corner monument. However this point coincided reasonably well with the intersection of the north-south county road and a faint road from the west which is also a county road. According to survey notes of these roads their intersection is at the SE corner section 24. Therefore the point established by measuring from the east quarter corner of section 25 was taken as the SE corner of section 24. Marked this point with a $\frac{1}{2}$ inch steel rod.

b. Southwest corner: From map of UPRR yard at Hinkle, determined a point on the west line of section 25 and the angle made by the west line and the north right of way fence of the railroad. Projected this line northward. Survey notes of county road no. 604 indicated the SW corner of section 24 was 11.60 chains north of the center of the irrigation ditch. This distance was measured along the line previously established. A search was made for evidence of the original corner, but none was found. However the point fell on the approximate intersection of two county roads, which intersection according to original survey notes takes place at the section corner. The point established was then accepted as the section corner, and marked with a one-half inch steel rod.

c. Northwest corner: To establish this corner it was necessary to begin at the NW corner of section 14, measure south along the west line of section 14 a distance of 5300.40. This distance as shown on a survey made by Frank Ofner in 1949 was 5302.36. The only points remaining from his survey along this line were the NW corner of section 14 and the sixteenth corner immediately south of it. Measurement of this distance gave a reading of 1325.10 as compared with 1325.59 as previously recorded. Multiplying this figure by four gave the above value and the section corner thus established was marked with a railroad spike. The south-quarter corner of section 14, a buried stone was found from references in the Ofner survey. The distance between the SW corner and the South-quarter corner of section 14 was measured and found to be 2658.67. The line between these two corners was projected eastward, the distance between them repeated, and the corner thus established marked with a piece of $\frac{1}{2}$ inch reinforcing steel. This point was also in the approximate intersection of two county roads.

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d. Northeast corner: A thorough search for evidence of the northeast corner of section 24 proved fruitless. Notes of the county road surveys indicate that the four way intersection formed at this point is the section corner. This point was established and marked, with a piece of $\frac{1}{2}$ inch reinforcing steel.

Distances between all corners were measured with the following results:

West side of section 24	5276.12
South side of section 24	5364.02
East side of section 24	5258.57
North side of section 24	5321.92

The south line was measured by means of a random line with appropriate corrections.

Coordinates were computed for the section corners, and by process of subdivision for the property corners involved. When the layout of the property corners was made, the center of the section fell less than one foot from a well serving the owner's house, which well supposedly is located on the exact center of the section.