

COUNTY SURVEYOR'S RECORD, DOUGLAS COUNTY, OREGON

BUSHONG & CO. PORTLAND, ORE. 87545

Survey No.	Made on April 26 - 29, 1954	Survey No.	Made on
In Town. 20 S	Range 6 W	Sec. 34	
Made for	Clarence C. Backus		
Purpose of	Legal survey to establish east - west mid-section line.		
Filed in 45/275		C.S. MR-58	

This Survey was commenced April 26th, 1954, in accordance with notices sent by registered mail to Mr. Clarence C. Backus and Mr. Ben Harris of Smith River Route, Drain, Oregon. Return receipts were requested and received.

This survey was commenced at the west $\frac{1}{4}$ section corner of section 34, T 20 S, R 6 W., W. M., The location of this corner was determined from one of the original bearing trees - a 5 inch fir (now 20 inches), diameter, bearing S.37°30'E., 19.8 feet. The old blaze on this tree had been chopped out recently and the original scribe marks were legible and in excellent condition. The other original bearing tree - a 5 inch fir (now 20 inches), diameter, bearing N.52°W., 26.4 feet, was alive in place and healthy. The blaze scar was plainly visible so was not chopped out. In all respects these trees checked with the original record.

A 1 inch iron pipe 36 inches long with a brass cap marked County Surveyor's Office $\frac{1}{4}$ corner S 33 S 34 1934, was set 27 inches in the ground at this point and new trees - a fir 10 inches in diameter bears S.29°29'E., 29.8 feet and a fir 14 inches in diameter bears N.78°55'W., 53.2 feet were blazed and scribed $\frac{1}{4}$ S CS BT.

From the $\frac{1}{4}$ corner thus set, a traverse was run east to the east boundary of section 34. A diligent search was made for the $\frac{1}{4}$ corner between sections 34 and 35 but no evidence of the $\frac{1}{4}$ section corner was found. Long time residents of the area were contacted but none had ever found this corner nor did they know of anyone else having located it.

In accordance with instructions it was now necessary to establish this missing $\frac{1}{4}$ section corner by proportional distance between the northeast and the southeast corners of section 34. Therefor a traverse was run south to the southeast corner of the section and north to the northeast corner of the section.

The southeast corner of the section was located from 3 of the original bearing trees - a fir, 48 inches in diameter bears N.49°W., 19.8 feet, a fir, 48 inches in diameter bears S.41°W., 23.1 feet, and a fir, 48 inches in diameter bears N.30E., 52.0 feet. At the point determined from these trees, a 1 inch iron pipe 36 inches long with a brass cap, marked County Surveyor's Office, T 20 S, R 6 W., 34 - 35-3 T 21 S, R 6 W., 1954, was set and from which - a cedar, 8 inches in diameter bears N.83°E., 48.5 feet and a cedar, 14 inches in diameter bears N.41°W., 78.0 feet.

The northeast corner of the section was located from a fir, (a snag), 40 inches in diameter, bearing N59°E., 13.2 feet and a slab of an old BT, bearing N.30°W., 2.7 feet, properly marked. Set a 1 inch iron pipe 36 inches long with a brass cap marked County Surveyor's Office 26-27-34-35, T 20 S R 6 W 1954, from which a fir, 36 inches in diameter, bears N.21°W., 31.5 feet, a fir, 18 inches in diameter bears S.21°W., 81.3 feet, a fir, 12 inches in diameter, bears S.28°E., 43.8 feet and a fir, 24 inches in diameter bears N.26°E., 59.8 feet.

By computing the latitudes and departures and closing the traverse, the east boundary of the section was found to bear S.0°08'E., 5377.54 feet and at the midpoint of this line was set a 1 inch iron pipe with a brass cap marked County Surveyor's Office $\frac{1}{4}$ S 34/35 T20S R6W 1954, for the corner and from which - a fir, 9 inches bears N.78°E., 62.2 feet and a fir, 12 inches diameter bears N.51°45'W., 34.7 feet.

The line through the center of section 34 between the two $\frac{1}{4}$ section corners as computed from the traverse was found to bears S.88°55'E., 5223.64 feet.

As the boundary between the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ of section 34 was to be determined from this survey, stakes were set on the true line by offsets from hubs set on the traverse. A table of these offsets is shown on the accompanying map.

The center $\frac{1}{4}$ corner of section 34 could not be set without running the line between the north and south $\frac{1}{4}$ corners of this section and was not required for the purpose of this survey.

An old stake, which is a fir limb, unmarked and poorly set and probably less than 5 years old was S.20°09'W., 114.8 feet from the $\frac{1}{4}$ corner between sections 33 and 34. Apparently this had been used by some for the $\frac{1}{4}$ section corner.

On top of the spur near hub 6 of our traverse were 3 stakes (fir limbs) evidently intended to be on the east-west centerline of the section as determined by various persons unknown to me.

The accompanying map shows the various objects and their relationship to the true line.

A similar stake was found marked with lumber crayon "center section 34-40 chains W $\frac{1}{4}$ corner".

The accompanying map depicts this survey and is a part of this record.

This survey was made with a Buff transit with vernier graduated to read 30 seconds of angles and a vertical circle reading to one minute. All angles were turned in deflection and doubled from an observed magnetic bearing of S.88°00'E. between the $\frac{1}{4}$ corner to sections 33 and 34 and hub No. 1 (variation 21 $\frac{1}{2}$ °E.) All hubs were driven in the ground and tacked. Measurements were carefully made by experienced chainmen using a 300 foot Chicago steel tape (practically new). Measurements to the nearest 0.1 of a foot were made along the slope and the vertical angle read from the transit and reduced to horizontal for true distance.

All computations were made and checked using 5 place tables of natural functions and latitudes and departures computed to the nearest 0.01 foot.

The field work was started by the undersigned County Surveyor on April 26, 1954 and completed by James Byron, deputy County Surveyor, April 29th, 1954.

Ben B. Irving
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County Surveyor