

M 79 - 53

Nygren - Rogers & Associates

PROFESSIONAL LAND SURVEYORS
514 N.E. 7TH ST. - GRANTS PASS, OREGON 97526 - PHONE 476-7034

S U R V E Y N A R R A T I V E

Date: August 15, 1980

Surveyed for: United States Department of Agriculture
Umpqua National Forest
P.O. Box 1008
Roseburg, Oregon 97470

Location: In Section 2, Township 32 South, Range 1 West of
the Willamette Meridian, Douglas County, Oregon.

This survey was performed at the request of the United States Department of Agriculture. The equipment used was a Wild T16D Theodolite, an infrared E.D.M., a microwave E.D.M. and a 300 foot chain. The project commenced August 1979 and was completed July 1980. Angles were turned direct and inverted and each measurement was double checked.

A network of triangulation was set up, covering the limits of the section, and each of the existing corners shown were tied in and the coordinates calculated. The net was closed upon itself within the allowable limits of closure. An extensive and exhaustive search was made for each of the missing corners, using up to as much as five days on one corner to uncover obscure evidence. It became apparent the original survey was done very poorly with stubbed lines and no check-in to verify the actual elongation of the section. The elongated error between the original survey and this survey is approximately 754 feet. This necessitated long hours of search for any remaining evidence and with very little knowledge as to where the original survey lines extended in direction and distance.

The West Quarter corner of Section 2 was surveyed in 1949 by Boyer where he set a 3" X 3" stake and scribed trees, however, at the position Boyer called for, there was no evidence of the corner, suggesting again that the North-South distance was never surveyed and the Quarter corner set was probably set in error. The original field notes call for a creek 44 chains North of the Southwest corner. If this call was used to set the West Quarter corner it would cause an irregularity inconsistent with the measurement of the original lines and inconsistent with the already elongated section. With the evidence that the original surveyor never did measure the entire North-South length of Section 2, it is not prudent to assume he actually surveyed to the creek and this call must be invalid as is the original call for the North-South distance being some 754 feet short of actual measurement. The same is true for the East line of the Section where the original notes call for 109.80 chains and it is actually 121.322 or an error of some 760 feet.

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Survey Narrative for U.S.D.A. Page 2

Aug., 15, 1980

A traverse was run along the South line, the West line from the Southwest corner of Section 2 for 4372 feet to the North, and from that point, East across the Section, and the lines posted per U.S.D.A. requirements.

From traverse points and triangulation points previously surveyed and in a closed loop, the following corners were set, using a 2½" X 30" aluminum pipe with aluminum cap stamped, and trees scribed. Each line run to independently set the corner was looped back upon the traverse line or triangulation net and closed as a double check. The corners set are: The West Quarter corner, the South Quarter corner, the East Quarter corner, the North Quarter corner, the Southeast corner, the North one-sixteenth corner on the West and East line, the Center-North one-sixteenth corner and the one-sixteenth corner on the East line at the 30 chain mark proration, and the East one-sixteenth corner on the South line, all in Section 2 - the South Quarter corner in Section 1. The first corner set was on July 3, 1980 and the last corner set was on July 22, 1980.

The original survey notes by Rufus Moore, dated 1883, were used to locate lines and corners throughout the survey. Perpetuation notes by the GLO and the Douglas County Surveyor's office were used to establish the North line of Section 2. The corner history is included on the plat of survey.

Bearings are based on solar observations.

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OREGON
GERALD V. NYGREN
AUGUST 22, 1975
1035

C.S. File 58-1158N^{-2b}

Map File M 79-53