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12 August, 1989

Office of County Surveyor
Union County
LaGrande, Oregon

NARRATIVE per USDA FS Contract 00-04R2-2-1 JEMINA CADASTRAL SURVEY

This survey was performed at the request of the USDA Forest Service, the Umatilla National Forest, headquartered in Pendleton, Oregon.

This survey was performed within Township 4 North, Range 39 East, W.M. as a subdivision of Section 13 to monument and establish the ownership and the boundaries of the public lands within said section, Union County, Oregon.

The basis of bearing was a solar observation taken from the northeast section corner monument of said section 13, on 31 May 1989.

The survey was performed using a Wild T1 micrometer theodolite and a Wild DI-4L electronic distance meter turned to Wild targets and prisms. A closed random traverse was used to tie all controlling monuments within said section meeting precision standards of one in ten thousand prior to angle balance. A least squares adjustment procedure was used. True line closed loop traverses were performed to establish property lines, and offset methods were used to set steel fence posts along the true property lines. These also met the same precision standards noted above.

Two lost corners could not be recovered during this survey; the NE 1/4 corner common to sections 12 and 13, and the SE 1/4 corner common to sections 13 and 24. After extensive search failed to recover these GLO corners, they were set using single proportionate measure from found and tied controlling section corners to the east and west of both positions. The NW section corner, the NW 1/4 corner, and the SW section corner all of said section 13 were recovered from found original accessories. They were re-established based on distance and bearing information from GLO notes using compass and chain.

When posting the property boundaries, timber cutting encroachment was apparent along the north line, the east line, and the south line of the SE one-quarter of the section. The cutting lines were blazed and are well healed; the encroachments are not new, and generally are less than 20 feet.

UNION COUNTY SURVEYOR
Date Received <u>10-2-89</u>
Date Filed <u>10-11-89</u>
By <u>G. LANGLITZ</u> NARRATIVE DRAWER
File No. <u>1/15</u>

Certified,

Edwin A. Stryker
Edwin A. Stryker
Oregon PLS 2060

REFER TO SURVEY 24-89