

NARRATIVE OF SURVEY NO. 1601
DEPENDANT RESURVEY OF SECTIONS 31 AND 32
T12S, R31E, W.M., GRANT COUNTY, OREGON

June 6, 2001

This survey was performed at the request of Ted Ferrioli. The purpose of this survey was to set the NE and SE corners of the W1/2W1/2 of Section 32 and flag the property lines for future fencing.

This survey was performed using static GPS receivers and Electronic Total Station. The bearings for this survey are based on the GPS survey. The GPS survey was made in NAD 83 State Plane Coordinates, Oregon North Zone. The State Plane Coordinate bearings were rotated clockwise 01°02'14" to true north near the SE corner of Section 12, T13S, R30E. All Bearings are relative to this local north meridian. Grid distances from the GPS survey were multiplied by the combined scale factor of 1.0002059 to compute the ground distances shown on this plat.

A search was made of the available records pertaining to this survey. The original survey was performed by John B. David, U.S. Deputy Surveyor in 1869. The south and east lines of Section 36, T12S, R30E, were retraced by Samuel Lackland, U.S. Deputy Surveyor in 1881. Survey No. 785, was performed by Douglas M. Ferguson, from 1981 thru 1983, for the U.S. Forest Service. Survey No. 785 indicates that the township corner was established using an east-west proportion of 8 miles and the assumption that two alder bearing trees, called for in the GLO notes, would only grow near the existing creek, which was used to position the corner for northings. I do not accept this corner position for the following reasons.

At the calculated double proportionate position, approximately 115 feet south of Mr. Ferguson's corner position, it appears that a spring may have existed in the area which could have accounted for the alder bearing trees called for in the original GLO notes. I also found the remains of a hardwood stump in this area. The GLO notes do not call the creek, therefore I believe the reason stated to use the creek is arbitrary. There is no evidence called for in the GLO notes to indicate the corner should be positioned on the south side of the creek. I found a marked stone at the SE corner of Section 35, T12S, R30E, which I accepted and remonumented. A search north along the range line to the E1/4 corner of Section 13 yielded no additional original corner evidence. The E1/4 corner of Section 13 was remonumented from original evidence by the County Surveyor in 1974, see Survey No. 348. Searching south along the range line I found the original marked corner stone at the SE corner of Section 12, T13S, R30E, which I accepted and remonumented.

I positioned the township corner by double proportion measure from between the SE corner of Section 12, T13S, R30E and the E1/4 corner of Section 13, T12S, R30E for northings, and the SW corner of Section 35, T12S, R30E and the SE corner of Section 32, T12S, R31E for eastings. I used the distances returned by Mr. Lackland and Mr. David to double proportion the township corner. The township line is the third standard parallel and is run along the latitudinal curve. The NW corner of Section 31, T12S, R31E was established at single proportion distance from the