



Found: Original, unmarked stone (7X16X8)  
 Orig. SE BT now a sowed 20" Pine stump  
 Orig. SW BT now an uprooted Pine  
 (Ponderosa) stood S58W 33 lks.  
 No marks remain on either BT  
 NE & NW BTs gone

**NARRATIVE**

Date Dec. 4, 1992  
 Purpose To post Umatilla National Forest boundaries and bring corners to Region 6 standards  
 Instruments used Topcon GTS-1, Wild T-16, Lietz Red 2L  
 Procedure Existing corners, the Tri Sta and the lines to post were tied/traversed by theodolite/EDM closed loops or double hub ties  
 Basis of Bearings A solar observation 600' South of the West 1/4 corner of Sec. 21  
 The Original Survey I have concluded the gross distortions from record on the lines as found and depicted on this plot result from a combination of careless chaining, stubbing, and failure of the original surveyor, Aaron York, to survey some of the lines. It is also probable local attraction contributed to the distortion.  
 Examples where I concluded chaining errors occurred are the line between sections 22 & 23, the East 1/2 mile between sections 20 & 29 and somewhere in the two miles between sections 33 & 34, or 28 & 27. Corners I concluded were stubbed in are: 1/4 21/28, from the southeast corner of section 21, 1/4 29/28, from the southwest corner of section 28, 1/4 20/21, from the northwest corner of section 21, the southwest corner of section 21, from 1/4 20/29, 1/4 22/23 could possibly have been stubbed also, from either the section corner to the south or the north.  
 Lines which I have concluded York did not survey on-the-ground due to the difficulty of the terrain (vertical rock bluffs) are the south 1/2 mile of the line between sections 20 & 21, and the West 3/4 mile of the line between sections 22 & 27. It is also obvious York did not survey all of the line between sections 15 & 22.

These conclusions are supported by the relation of the record topographic calls to the corners recovered. On the lines I concluded York surveyed on-the-ground, the topography fits reasonably well with record calls. It appears York made estimates of topography on lines I concluded he did not survey. The relevant topographic calls are shown hereon. These conclusions are also supported by the length and bearings of the courses between stubbed corners.

That some stones were accepted as original corners without positive marks visible is justified as follows: Although York reported raising a stone mound at all corners, the only definite mounds of stone observed were at 1/4 29/28 and the southwest corner of section 28. All the stones accepted as original (with or without definite marks) agree in size with the record. The position of the stones without definite marks are supported by their relation to nearby topographic calls, courses to the corners I believe they were surveyed from, fall in areas undisturbed by human activity, and the recovered stones were the only ones in the search area which closely agreed in size with the record.

Because the distance between the section corners on this line is nearly 20 chains long it is possible York stubbed this corner from either section corner which why two search symbols are shown. It is also possible this corner was stubbed from either section corner with a 5 chain or a 10 chain error. Searches were conducted of 40-45-50 chains from each section corner.

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE  
 THIS 5th DAY OF JANUARY 1993  
 Dennis J. Hayward C.O.R.  
 I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE  
 REQUEST OF THE UMATILLA NATIONAL FOREST SUPERVISOR  
 OFFICIAL SIGNATURE DATE 1/5/93  
 SIGNATURE DATE

**CERTIFICATE**  
 I, Larry D. Bishop a Registered Land Surveyor in the State of Oregon hereby certify that this plot and the notes hereon are a correct representation of a survey I performed during Aug.-Nov. 1992 at the request of the U.S.D.A. Forest Service in accordance with the statutes of the State of Oregon and the articles of my contract.  
 Larry D. Bishop  
 Registered Land Surveyor No. 896

**HISTORY OF SURVEYS**  
 This Township was originally surveyed by Deputy Aaron F. York in 1878 under Contract No. 309. In Oct. 1987 David A. Haddock, PLS 852, retraced the West one-half mile of the North line of Sec. 21 and monumented the corners thereof, CS No. 1018.

**PLAT OF SURVEY**  
**CUPPER 1992 CADASTRAL SURVEY**  
 U.S.D.A. FOREST SERVICE - REGION 6  
 UMATILLA NATIONAL FOREST  
 CONTRACT NO. 53-04R3-2-57  
 SEC. 21, T.8S., R.27E., W.M.  
 GRANT COUNTY, OREGON

- LEGEND**
- Found 1/2" Iron Pipe with Brass Cap-See Certified Record of Land Corner Monumentation
  - Set 2 1/2" X 30" Alum. pipe and cap with a magnet
  - Searched for- not found
  - Boundary line posted with 6' steel posts with sign 54-2 attached
  - Existing fence lines that encroach on National Forest Land
  - Course per CS 1018
  - GLO topographic calls- bearings and distances not in parenthesis are as measured, those in parenthesis are record
  - Set 2" brass rock cap in solid bedrock
  - National Forest System Lands

REGISTERED PROFESSIONAL LAND SURVEYOR  
 RECEIVED AND FILED  
 JAN 20, 1993  
 OFFICE OF COUNTY SURVEYOR  
 LARRY D. BISHOP  
 ATTEST: Jimmy Powell

TRI. STA. CUPPER  
 NAD 1927 NAD 1983  
 LATITUDE 44°50'25.117" 44°50'24.64012"  
 LONGITUDE 119°28'0.061" 119°28'04.03191"

**BISHOP SURVEYING, INC.**  
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 PROJECT NO. 92002