

REFERENCE MATERIAL

ORIGINAL GENERAL LAND OFFICE SURVEY BY F.W. CAMPBELL, CONTRACT NO. 507, DATED JUNE 28, 1884.

UNION COUNTY SURVEY NO. 104-78

UNION COUNTY CORNER REMONUMENTATION RECORDS:

34-83R	35-83R	36-83R
38-83R	41-88R	44-88R

UMATILLA NATIONAL FOREST CONTRACT NO. 006667N, SEPTEMBER 28, 1977
 UMATILLA NATIONAL FOREST CONTRACT NO. 53-04R3-2-30, MARCH 12, 1992.

SURVEY NARRATIVE

THIS SURVEY WAS PERFORMED DURING AUGUST-NOVEMBER, 1992 FOR THE PURPOSE OF REVISING THE LOCATION OF MONUMENTATION ESTABLISHED DURING THE PERFORMANCE OF UNION COUNTY SURVEY NO. 104-78. SURVEY NO. 104-78 WAS PERFORMED UNDER A CONTRACT WITH THE UMATILLA NATIONAL FOREST DURING 1978 FOR THE PURPOSE OF ESTABLISHING PORTIONS OF THE BOUNDARY OF FOREST AND PRIVATE LANDS IN SECTION 16, TOWNSHIP 4 NORTH, RANGE 40 EAST. DURING THE COURSE OF THIS SURVEY, SEVERAL ORIGINAL SURVEY CORNERS WERE DECLARED LOST AFTER AN UNSUCCESSFUL SEARCH FOR EVIDENCE OF THE ORIGINAL SURVEY. GIVEN THAT CERTAIN SURVEY CORNERS WERE LOST, THE LOCATIONS OF THE CORNERS NECESSARY TO COMPLETE THE SURVEY WERE DETERMINED BY PROPORTIONATE MEASUREMENT PROCEDURES, THE MONUMENTS WERE ESTABLISHED, AND THE SURVEY WAS DOCUMENTED AND RECORDED WITH UNION COUNTY, AND ACCEPTED BY THE UMATILLA NATIONAL FOREST.

IN 1987, THE UMATILLA NATIONAL FOREST CONTRACTED WITH WILLIAM P. WELLS, OREGON LAND SURVEYOR NO. 1106, TO POST THE NATIONAL FOREST BOUNDARY IN SECTION 16. IN THE PERFORMANCE OF THIS SURVEY, MR. WELLS RECOVERED EVIDENCE OF THE ORIGINAL GENERAL LAND OFFICE (GLO) SURVEY AT THE LOCATION OF THE 1/4 CORNER OF SECTIONS 16 AND 17. THE RECOVERY OF THIS EVIDENCE INVALIDATES THE 1978 LOCATIONS OF THE WEST AND NORTH 1/4 CORNERS OF SECTION 16 AND THE NORTHWEST AND NORTHEAST CORNERS OF SECTION 16, AND PROVIDES THE REASON FOR THE PERFORMANCE OF THE CURRENT SURVEY.

DURING DISCUSSIONS WITH THE UMATILLA NATIONAL FOREST, IT WAS DETERMINED THAT THE SURVEY TO CORRECT THE 1978 WORK SHOULD INCLUDE ANOTHER SEARCH FOR EVIDENCE OF THE ORIGINAL GLO SURVEY AT THE CORNERS CONSIDERED LOST IN 1978. MR. DENNIS L. GAYLORD, OREGON LAND SURVEYOR NO. 1636, AND FOREST LAND SURVEYOR FOR THE UMATILLA NATIONAL FOREST, UTILIZED GLOBAL POSITIONING SYSTEM EQUIPMENT AND PROCEDURES TO DETERMINE THE RELATIVE POSITION OF FOUND ORIGINAL GLO CORNERS IN THE AREA AND TO DETERMINE THE LOCATION OF AREAS TO BE SEARCHED FOR ORIGINAL GLO EVIDENCE. DURING HIS EFFORTS, MR. GAYLORD RECOVERED ORIGINAL GLO EVIDENCE AT THE 1/4 CORNER OF SECTIONS 8 AND 17 AND ALSO AT THE 1/4 CORNER OF SECTIONS 4 AND 5. PERSONNEL FROM ANDERSON-PERRY AND ASSOCIATES, INC. PERFORMED A DILIGENT SEARCH FOR EVIDENCE AT THE LOCATIONS INDICATED ON THIS DRAWING AND ALSO AT THE THREE CORNERS LOCATED ALONG THE NORTH LINE OF SECTION 16. NO ADDITIONAL EVIDENCE WAS FOUND.

FIELD SURVEY TIES WERE MADE TO THE THREE ORIGINAL GLO CORNERS RECOVERED BY MR. WELLS AND MR. GAYLORD. THESE SURVEY TIES WERE MADE USING A WILD T2000 ELECTRONIC THEODOLITE AND AN ELECTRONIC DISTANCE METER FROM RECOVERED TRAVERSE POINTS SET DURING THE 1978 SURVEY. THE RECOVERED TRAVERSE POINTS, CONSISTING OF 40D AND 60D NAILS, WERE DETERMINED TO BE CONSISTENT WITH THE 1978 SURVEY BY COMPARISON OF MEASUREMENTS BETWEEN ADJACENT POINTS AND ALSO BY TRAVERSE MEASUREMENTS BETWEEN WIDELY SEPARATED POINTS. BECAUSE OF THIS CONSISTENCY, THE RELATIVE POSITIONS OF THE CORNERS SHOWN ON SURVEY 104-78 WERE ACCEPTED FOR PURPOSES OF THE 1992 SURVEY AND SEVERAL OF THE EXISTING CORNERS WERE NOT VISITED AS INDICATED ON THIS DRAWING.

AS REPORTED BY MR. WELLS, THE 1978 MONUMENT AT THE 1/4 CORNER OF SECTIONS 16 AND 17 HAD BEEN REMOVED BY UNKNOWN PERSONS. A NEW MONUMENT WAS INSTALLED AT THAT CORNER AND THE EXISTING 1978 MONUMENTS AT THE CORNERS ALONG THE NORTH LINE OF SECTION 16 WE REMOVED FROM THE 1978 LOCATION AND REINSTALLED AT THE LOCATIONS INDICATED ON THE DRAWING. THE 1978 CORNER ACCESSORIES WERE USED WHERE APPROPRIATE AND ADDITIONAL ACCESSORIES WERE ESTABLISHED TO MEET THE REQUIREMENTS OF CURRENT OREGON STATUTES.

BASIS OF BEARINGS

BEARINGS ARE BASED ON UNION COUNTY SURVEY NO. 104-78 BY REFERENCE TO RECOVERED SURVEY TRAVERSE POINTS FROM SURVEY 104-78. (SEE SURVEY NARRATIVE.)

LEGEND

- FOUND EVIDENCE OF ORIGINAL GENERAL LAND OFFICE SURVEY, SET 2 1/2" X 30" ALUMINUM PIPE WITH ALUMINUM CAP. COMPLETE DESCRIPTION OF EVIDENCE FOUND AND MONUMENTATION ACTIVITIES IS GIVEN ON A CERTIFIED RECORD OF LAND CORNER MONUMENTATION WHICH ACCOMPANIES THIS SURVEY DRAWING.
- △ CORNER POSITION FROM UNION COUNTY SURVEY NO. 104-78 USED FOR CONTROL ON THIS SURVEY. CORNER LOCATION WAS NOT VISITED DURING THIS SURVEY. (SEE SURVEY NARRATIVE.)
- MOVED 2 1/2" X 30" GALVANIZED IRON PIPE WITH BRASS CAP ESTABLISHED DURING UNION COUNTY SURVEY NO. 104-78 TO POSITION AS INDICATED ON THIS DRAWING. COMPLETE DESCRIPTION OF EVIDENCE FOUND AND MONUMENTATION ACTIVITIES IS GIVEN ON A CERTIFIED RECORD OF LAND CORNER MONUMENTATION WHICH ACCOMPANIES THIS SURVEY DRAWING.
- X EVIDENCE OF ORIGINAL GENERAL LAND OFFICE SURVEY SEARCHED FOR, NO EVIDENCE FOUND.
- () RECORD DIMENSION PER ORIGINAL GENERAL LAND OFFICE SURVEY.

NOTE:

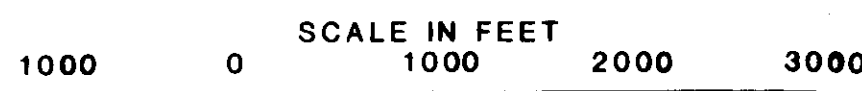
THIS SURVEY IS A REVISION OF UNION COUNTY SURVEY NO. 104-78.

I, GARY L. LANGLITZ, A REGISTERED LAND SURVEYOR IN THE STATE OF OREGON, HEREBY CERTIFY THIS PLAT AND THE NOTES HEREON, OR ATTACHED, ARE A CORRECT REPRESENTATION OF A SURVEY I PERFORMED DURING AUGUST - NOVEMBER, 1992, FOR THE U.S. FOREST SERVICE, IN ACCORDANCE WITH THE STATUTES OF THE STATE OF OREGON AND WITH THE ARTICLES OF THE CONTRACT.

Gary Langlitz 12-24-92

GARY L. LANGLITZ
 REGISTERED LAND SURVEYOR
 OREGON LICENSE 1099

REGISTERED PROFESSIONAL LAND SURVEYOR
Gary Langlitz 12-24-92
 GARY L. LANGLITZ
 1099
 EXPIRES: 12/31/93



12/24/92
 12-2992
 R. ROBINSON, DEPUTY
 650-1792

**SECTIONS 3, 4, 5, 8, 9, 10, 15, 16, & 17
 T 4 N, R 40 E, W.M.**

UMATILLA NATIONAL FOREST		2517 S.W. HAILEY AVE. PENDLETON, ORE 97801	
SCALE: 1" = 1000'	<p>Anderson Perry & Associates, Inc. engineering • surveying • materials testing LA GRANDE, OR. WALLA WALLA, WA. LEWISTON, ID.</p>	SHEET NO. 1/1	
DATE: 1992			
JOB NO. 825-01			

Survey No. 050-1992