

Record of Survey

T7S, R44E, WM, OR
Holcomb Creek Resurvey, WWNF

NARRATIVE

Purpose:

This survey was performed under Wallowa-Whitman National Forest (WWNF) Contract No. AG-05K3-C-09-0020, Task Order AG-04M3-D-13-0010, with Notice to Proceed dated May 7, 2013. Ken Lind, LS, was the Contracting Officers Representative (COR), and provided technical support and consultation. The purpose of the survey is to subdivide secs. 26 and 35, verify subdivision monuments for secs. 25 and 36, and post and mark portions of WWNF Boundary. This contract does not include a Title Report nor title research. The lines to post and mark are as delineated by WWNF within said contract.

History:

The south boundary of Township 7 South, Range 44 East was originally surveyed by Nicolas O. Walden, under GLO Contract No. 198, approved June 1, 1874, and was retraced by William B. Barr, under GLO Contract No. 388, approved December 31, 1881. The East boundary of Township 7 South, Range 44 East was originally surveyed by William B. Barr, under GLO Contract No. 443, approved March 13, 1883. The resurvey of said south boundary and subdivision of said township were surveyed by William B. Barr, under GLO Contract No. 503, approved March 21, 1885. The Remonumentation of Certain Original Corner Points in Township 7 South, Range 44 East was surveyed by Lester E. Fischer, under BLM Group No. 350, approved June 13, 1977. A portion of the east boundary of the township was surveyed by James H. Hambleton, LS 645, as described by Survey No. 7-45-19, filed September 26, 1978. Portions of the south and east boundaries of the township were surveyed by Carl E. Sundet, LS 1664, as described by Survey No. 8-44-64, filed August 22, 1983. Sections 25, 26, 35 and 36 were subdivided by Barry B. Barbour, LS 1051, as described by Survey No. 7-44-77 (CANCELLED), filed November 7, 1985. A Survey Resolution Agreement, Survey No. 7-44-227 (SRA 7-44-227), filed September 11, 1990, subsequently CANCELLED several Barbour surveys. A portion of the south boundary of the township was surveyed by Ronald H. Schulson, LS 1658, as described by Survey Nos. 8-44-110 and 8-44-111, filed July 31, 1986. Portions of secs. 26 and 35 were resurveyed by Rick E. Tawney, under Group No. 1554 (Grp. 1554), approved April 21, 1992 and rejected many of Barbour's monuments due to erroneous control. A portion of the east boundary of the township was surveyed by Thomas D. Fisk, LS 2446, as described by Survey No. 7-45-147, filed June 11, 1993. BLM completed an Investigative Survey of secs. 25 and 36, under Group No. 2086, and returned a Memorandum, dated September 28, 2004, accepting Barbour methodology within said secs., to the US Forest Service.

Procedure:

This survey was performed as defined in the Department of Interior, Bureau of Land Management, Manual of Survey Instructions (Manual), USFS Cadastral Survey Specifications, Oregon Revised Statutes and Accepted Standards of Practice for rural Oregon. This survey followed the "Standards and Guidelines for Cadastral Surveys using Global Positioning System Methods, Version 1.0, March 31, 2001", and the update "Standards for the Positional Accuracy of Cadastral Surveys when using Global Navigation Satellite Systems (GNSS), February 23, 2009 Version, approved April 5, 2010", as adopted by the US DOI Bureau of Land Management and USDA Forest Service. This survey perfected the intent of SRA 7-44-227. Lines shown as Posted and Marked were posted with six foot steel "T" posts with National Forest boundary signs attached at 200 foot intervals or intervisible and marked with quarter blazes on USFS trees and face blazes on private trees.

In executing Grp. 1554, and in compliance with intent of SRA 7-44-227, BLM rejected a number of corners set by Barbour due to erroneous control held by Barbour. BLM rejected and reestablished corners under 1 link in error (e.g. 1/4 secs. 26 and 35).

SECTIONS 26 and 35: This survey complies with SRA 7-44-227, and continues the practice established by BLM under Grp. 1554, and REJECTS and reestablishes Barbour corners within said secs. set by Barbour from erroneous control.

SECTIONS 25 and 36: This survey accepts the conclusion of Grp. 2086 and ACCEPTS the procedures and positions of corners reestablished by Barbour within said secs. The Barbour corners at greatest variance ($\pm 1\frac{1}{2}$ ft.) with a properly positioned subdivision of sec. are the SW1/16, CS1/16, and west 1/4, all within sec. 36. All other monumented corners within said secs. are under 1 ft. of proper position. This survey ACCEPTS all monumented corners within secs. 25 and 36 as they are in practical agreement with proper position, controlled by original corners or properly reestablished corners, and have been in the ground for nearly 30 years. The conflict between cabin location and NFSL boundary lines (as shown in Detail A) have been apparent since Barbour's 1985 survey. Extensive interviews with landowners, both historical and current, reveal no good faith effort to locate lines, or improvements, based upon ties to exterior section corners.

This survey was performed by a combination of Global Navigation Satellite System (GNSS) and conventional ground survey methods. Dual frequency carrier-phase GNSS receivers were used to establish control and monument positioning. A total station (3 sec. angular, 2mm+2ppm EDM) was used for conventional ground surveys. All monumented positions are within closed GPS networks, a conventional closed traverse, or with benefit of redundant measurements. Trimble Business Center software was used for least squares adjustment, at the two sigma level, of survey data.

The geographic position shown hereon was derived by static GPS methods and controlled by observation data uploaded to the US National Geodetic Survey (NGS) Online Positioning User Service (OPUS), which utilized Continuously Operating Reference Stations (CORS11): PENDLETON (PDTN), GRANGEVILLE APT (IDNP) and MCCALLAIR_ID2007 (P023).

Basis of Bearing:

The Basis of Bearing is the True Meridian and was derived from GPS observations. Local plane coordinates were calculated on a false meridian, and zero convergence angle, at the corner of sections 23, 24, 25 and 26, then converted to ground bearing and distance with a project scale factor of 1.0001883088.

REFERENCE MATERIAL

Deed References:

Book 131 Page 31 Deed 65 48 026
Deed 65 48 024 Deed 65 48 027
Deed 65 48 025

Microfilm:

07-310415B

County Surveys:

CS 7-45-19 CS 7-45-147
CS 7-44-75 (CANCELLED) CS 8-44-64
CS 7-44-76 CS 8-44-110
CS 7-44-77 (CANCELLED) CS 8-44-111
CS 7-44-227

Other Material:

- GLO Field Notes and Plat of Contract No. 198, by Nicolas O. Walden, approved June 1, 1874.
- GLO Field Notes and Plat of Contract No. 388, by William B. Barr, approved December 31, 1881.
- GLO Field Notes and Plat of Contract No. 443, by William B. Barr, approved March 13, 1883.
- GLO Field Notes and Plat of Contract No. 503, by William B. Barr, approved March 21, 1885.
- BLM Field Notes and Plat of Group No. 1554, approved April 21, 1992.
- BLM Field Notes and Plat of Group 350, approved June 13, 1977.
- Corner Records filed with the Baker County Surveyor.
- USFS Corner Cards filed with Wallowa-Whitman National Forest.
- Narrative for CS 7-44-75, 7-44-76 and 7-44-77, separate from plat.
- BLM Investigative Survey Notes and Plat by Steve Kaiser, under Group 2086 dated September 28, 2004.

① cor. of secs. 2, 3, 34 and 35, T7S and R44E

HISTORY OF ORIGINAL CORNER ESTABLISHMENT:

Original corner set by N. O. Walden, under GLO Contract No. 198, approved June 1, 1874.
Record states: Set granite rock 14x8x6, 8 in. in ground for corner to secs. 34, 35, 3, 2.
Subsequent Monumentation:
Corner rehabilitated by W. B. Barr, under GLO Contract No. 503, approved March 21, 1885.
Record states: A granite rock 14x8x6 ins. firmly planted in ground marked with 2 notches on the E + 4 notches on the W, edges.
Corner reestablished by Carl E. Sundet, LS 1664, as described by Survey No. 7-44-70, dated July 25, 1983, in the records of the Baker County Surveyor.
Record states: No evidence of original stone. Set by single proportionate measurement Set 2 1/2" x 30" aluminum pipe with 3/4" aluminum cap 12" in ground in mound of stones, marked (as shown below):
Bearing tree: 20" ponderosa pine -S79°E- 14.4 ft. scribed "T8SR44E S2" in upper blaze and "BT" and brass tag stamped RLS 1664 in lower blaze.
Accessories:
3'x2" mound of stone - S28 1/2°W- 37.4 ft.
3'x2" mound of stone - N46°W- 32.3 ft.
3'x2" mound of stone - N43°E- 39.1 ft.
Compass declination 19 1/4° East. Note: I set a steel fence post 6' east of corner with USFS 54-4 sign, placed a USFS bearing tree and attention signs on bearing tree and in mounds of stone and painted red band on smoothed band at breast height on the bearing tree.
Corner perpetuated by Rick E. Tawney, under BLM Group No. 1554, approved April 21, 1992.
Record States: The cor. of secs. 2, 3, 34, and 35, reestablished at proportionate position by Carl E. Sundet, Registered Land Surveyor No. 1664, in 1983, recorded in the Baker County Surveyors Office file No. 8-44-64. There is no remaining evidence of the original corner, therefore this position is accepted as the corner, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 15 ins. above the ground, and in a mound of stone, 3 ft. base, to top, with an aluminum cap mkd. (as shown below), from which accessories by Sundet:
A mound of stone, 3 ft base, 1 1/2 ft. high, bears N. 4° E., 60 ks. dist.
A pine, 21 ins. diam., bears S. 80° E., 23 ks. dist., with scribe mark T8S R44E S2 BT visible on open blaze.
A mound of stone, 3 ft base, 1 1/2 ft. high, bears S. 25° W., 57 ks. dist.
A mound of stone, 3 ft base, 1 1/2 ft. high, bears N. 46° W., 50 ks. dist.

DESCRIPTION OF CORNER EVIDENCE FOUND:

Found an alum. pipe 2 1/2 ins. diam. by 30 ins. long, with 3/4 ins. diam. alum. cap, out of ground with rock mound nearby, cap mkd. as shown.

From the recovered monument I find the Sundet accessories:

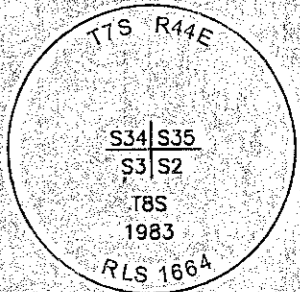
- A mound of stone, 3 ft base x 1 1/2 ft. high, bears N. 4° E., 60 ks. dist., in good condition.
- A pine, 23 ins. diam., alive and healthy, bears S. 80° E., 23 ks. dist., with healed double blaze.
- A mound of stone, 3 ft base, 1 1/2 ft. high, bears S. 25° W., 57 ks. dist., in good condition.
- Remains of mound of stone, bears N. 46° W., 50 ks. dist., mound appears to have slid downhill.
- Found guard post out of ground and alongside monument.

DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:

At the exact point of intersection of record distances from the SE bearing tree and SW stone mound, I remonument the Sundet monument 4 ins. in ground, to bedrock and build a 5 ft. diam. stone mound to top.

New accessory:

- A 2 ins. BXO chiseled in SE face of exposed basalt rock outcrop, bears N. 53 1/2° W., 25.7 ft. dist.
- Set steel "T" guard posts in stone mounds 3 ft. at base and 2 ft. high, ±2ft. Ely with Land Survey Monument (54-9) sign and ±3 ft. Nly with Attention (54-4) sign.
- Auto C/A geographic position:
Lat. 44°54'20.8" N
Long. 117°18'12.6" W
Witnesses: Kristina Powell, Brenda Johnson, and Jon Howells



F. S. ACCEPTANCE

Examined and approved for the U.S. Forest Service

this 25th day of November, 2013.

Ken Lind, COR.

I certify that this survey was performed at the request of the Wallowa-Whitman National Forest Supervisor.

Ron C. Walter
Signature Date 11/25/2013

CERTIFICATE OF SURVEY

I, Ron C. Walter, L.S. No. 2648, State of Oregon, do hereby certify that the survey represented on this plat was performed by me or under my supervision in accordance with the laws of the State of Oregon, at the request of the U.S. Department of Agriculture, Forest Service.

Ron C. Walter 11-21-13
Signature Date

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Ron C. Walter
OREGON
JANUARY 18, 1994
RON C. WALTER
2648
Renewal Date: June 30, 2014

FILED Nov. 25, 2013

BAKER COUNTY SURVEYOR

SURVEY NO. 7-44-264
8-44-159
7-45-167
8-45-148

Record of Survey Wallowa-Whitman National Forest

LOCATED WITHIN
Secs. 25, 26, 35 and 36
Township 7 South, Range 44 East
Willamette Meridian, Baker County, Oregon

Wallowa Associates
303 S.E. Alamo Street
Enterprise, Oregon 97828
(541) 426-9049

SCALE n/a	SHEET No. 3 of 8	DATE OF SURVEY Beginning: May 7, 2013 Ending: August 7, 2013
DRAWN BY RCW/KLP/BMJ	CHECKED RCW	PROJECT No. WA 1091-06/2318
DATE 11/2013		