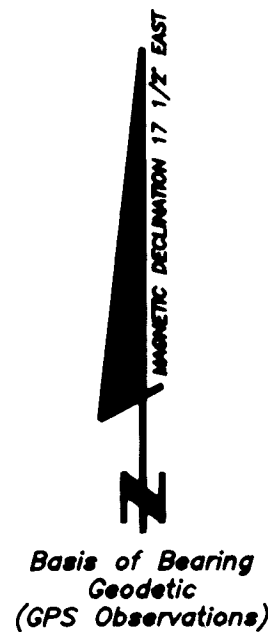
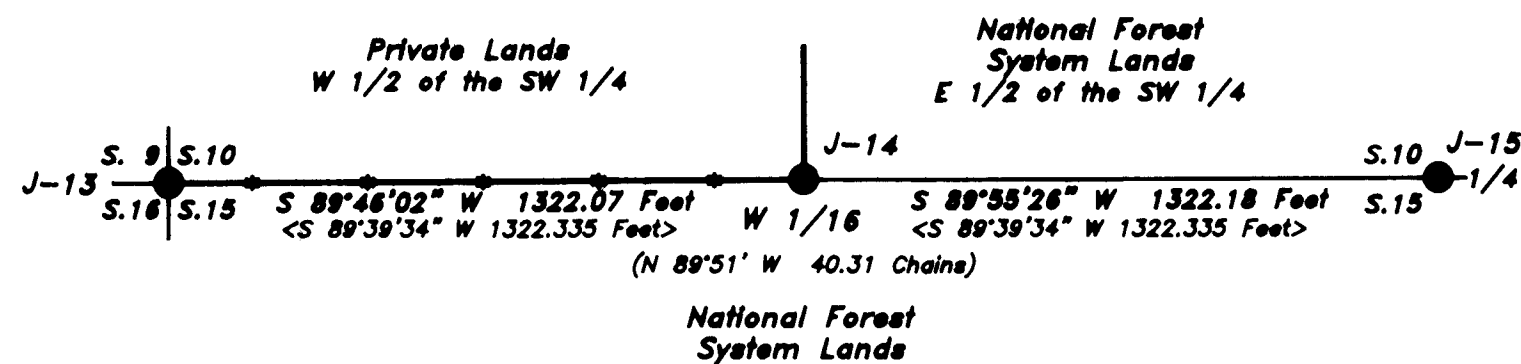
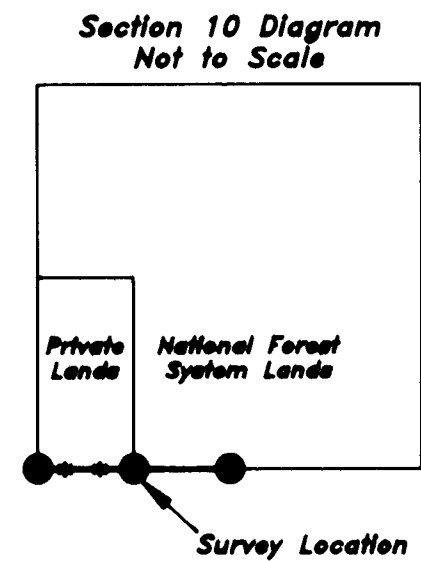
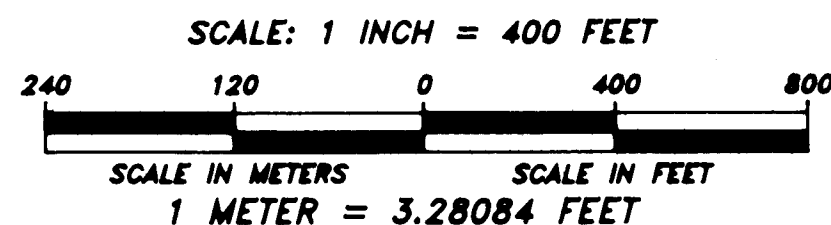


Survey for  
Umatilla National Forest  
of  
West 1/2 of the Section Line between  
Sections 10 and 15,  
T. 4 S., R. 32 E., W.M.  
Located in  
Umatilla County, Oregon  
October, 2004



**LEGEND**

- MONUMENT FOUND
- MAINTAINED PROPERTY BOUNDARY
- ( ) RECORD MEASUREMENT (PERSHIN, 1881)
- < > RECORD MEASUREMENT <BARBOUR, 1977>



**Narrative**

**Purpose:**  
The purpose of this survey was to maintain the monuments and the posted boundary between Private and National Forest System Lands.

**History:**  
1881, George S. Pershin, U.S. Deputy Surveyor, subdivided the township under General Land Office Contract No. 390.  
1977, Craig L. Wanless, BLM Cadastral Surveyor, remonumented the section corner of sections 9, 10, 15 and 16 from original evidence.  
1977, Barry B. Barbour, Registered Land Surveyor No. 1051, subdivided section 10 for the U.S. Forest Service (Umatilla County Survey No. 0-69-A).  
1989, David Evans and Associates establish the Geodetic Position of stations "ALBEE" and "LANE" while conducting a GPS Geodetic Control Survey for the Umatilla and Wallowa-Whitman National Forests. This survey is readjusted in 1992 by David Evans and Associates to the NAD83(1991) datum (survey on file at the Umatilla and Wallowa-Whitman National Forests).  
1992, William R. Wells, Registered Land Surveyor No. 1106, perpetuates the section corner of sections 9, 10, 15 and 16 while surveying property boundaries in sections 15, 16, 21 and 22 for the U.S. Forest Service (Umatilla County Survey No. 92-80-B).

**Procedures:**  
The survey was conducted using three Trimble 4700 GPS (Global Positioning System) dual frequency receivers and a Topcon GPT-6005C Total Station.  
The GPS measurements were conducted using fast static techniques with stations "ALBEE" (45°14'51.83204" North; 118°53'49.33986" West) and "LANE" (45°15'01.01646" North; 118°48'23.05282" West) being used to provide geodetic control for the survey (Datum: NAD83(1991)). The GPS measurements were processed using Trimble's Geomatics Office Software (version 1.50).  
All GPS measurements were made in accordance with "Standards and Guidelines For Cadastral Surveys Using Global Positioning Methods" dated May 9, 2001, version 1.0 by U.S. Department of Agriculture, Forest Service and U.S. Department of Interior, Bureau of Land Management.  
The Topcon GPT-6005C Total Station was used to run a random traverse between the W 1/16 Corner of sections 10 and 15, and the Section Corner of sections 9, 10, 15 and 16 tying existing property boundary fence posts. In addition the Topcon was used to verify bearing tree measurements.  
Bureau of Land Management's WinCMM (version 2.0.2) software program was used to adjust traverse measurements using a least squares adjustment and to compute posting offsets.  
Distance measurements to the bearing trees were measured at the tree's side center 1 foot above the root crown. Bearing tree diameter's were measured at breast height.  
The property boundary's existing steel fence posts found to be more than 1 foot from the surveyed boundary were moved and additional 6 foot steel U channel posts with "National Forest Property Boundary" signs attached were set. All boundary line posts are within 1 foot of the surveyed property boundary with a maximum distance between posts of 175 feet.  
The field notes for this survey are on file at the Supervisor's Office of the Umatilla National Forest located at Pendleton, Oregon.

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
*David A. Schlaich*  
OREGON  
JULY 16, 1987  
DAVID A. SCHLAICH  
2308  
RENEWAL DATE: 06/30/2008

I, David A. Schlaich, a Registered Land Surveyor in the state of Oregon, hereby certify that this plat and the notes hereon are a true and correct representation of a survey I conducted in October of 2004, at the request of the Umatilla National Forest, in accordance with the statutes of the state of Oregon and the Bureau of Land Management's 1973 Manual of Surveying Instructions.

*David A. Schlaich* 11/17/2004  
DATE  
DAVID A. SCHLAICH - RLS 2308  
UMATILLA NATIONAL FOREST  
2517 S.W. HAILEY AVENUE  
PENDLETON, OREGON 97801  
PHONE: (541) 278-3718

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT  
THE REQUEST OF THE UMATILLA NATIONAL FOREST  
*Jeff Slack* 11/17/04  
FOREST SUPERVISOR DATE

Survey for  
Umatilla National Forest  
of  
West 1/2 of the Section Line between  
Sections 10 and 15,  
T. 4 S., R. 32 E., W.M.  
Located in  
Umatilla County, Oregon  
October, 2004

Corner Information

J-13

Section corner of sections 9, 10, 15 and 16

History of original corner establishment:

1881, George S. Pershin, U.S. Deputy surveyor, while surveying the township under General Land Office Contract No. 390 established the corner as follows:  
Set basalt stone 14 X 12 X 4 on west slope of ridge for cor. to Sec. 9, 10, 15, & 16  
A Fir 5 in. di. brs. N. 14' E. 45 lks. dis.  
A Pine 7 in. di. brs. S. 45' E. 34 lks. dis.  
A Pine 11 in. di. brs. S. 7' W. 46 lks. dis.  
A Fir 7 in. di. brs. N. 45' W. 52 lks. dis.

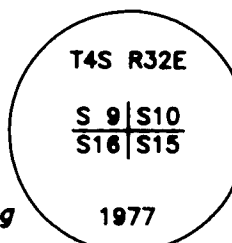
1977, Craig L. Wanless, BLM Cadastral Surveyor, remonumented and described the corner as follows:  
The cor. of secs. 9, 10, 15, and 16, monumented with the original unmarked basalt stone, 14 x 12 x 4 ins., loosely set 1 in. in the ground, from which the remains of the original bearing trees:  
A pine, 22 ins. diam., bears S. 7' W., 46 lks. dist., with scribe marks T4S R visible on partially healed blaze.  
A fir, 21 ins. diam., bears N. 26' W., 52 lks. dist., with healed blaze (Record, N. 45' W.)  
At the corner point  
Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap  
from which new bearing trees  
A fir, 13 ins. diam., bears N. 77' E., 59 lks. dist., mkd. T4S R32E S10 BT.  
A fir, 20 ins. diam., bears S. 34' E., 63 1/2 lks. dist., mkd. T4S R32E S15 BT.  
Deposit corner stone alongside iron post.

1977, Barry B. Barbour, Registered Land Surveyor No. 1051, found the corner while surveying section 10 (Umatilla County Survey No. 0-69-A).

1992, William R. Wells, Registered Land Surveyor No. 1106, found and perpetuated the corner (Umatilla County Survey No. 92-80-B) as follows:  
Found 2 1/2" iron pipe with 3 1/4" brass cap, no stone available  
A 23" ponderosa pine brs S 3' W, 31.1' with scribing visible.  
A 20" dead white fir brs S 34 3/4' E, 41.5' with scribing visible.  
A 13" dead white fir brs N 77 1/4' E, 38.6' with scribing visible.  
A 24" dead white fir brs N 26' W, 34.6' with healed blaze.  
New bearing trees established:  
A 17" ponderosa pine brs N 35 1/4' W, 327.1' scribed T4SR32ES9 BT.  
A 13" western larch brs N 41' E, 25.0' scribed T4SR32ES10 BT.  
A 23" ponderosa pine brs S 77 1/4' E, 94.5' scribed T4SR32ES15 BT.  
New BT's have a brass washer stamped PLS 1106 nailed to face of blaze.

Description of corner evidence found:

Found a 2 1/2" iron pipe, with a 3 1/4" BLM brass cap, projecting 6" above the ground, with basalt stone visible on the West side of the monument, marked as shown, from which:  
15" Western Larch bears N. 42' E., 25.0 feet with scribing visible on partially healed blaze and 3/4" brass washer "PLS 1106" nailed to the blaze (Wells's Record N. 41' E.).  
13" White Fir snag bears N. 78 1/2' E., 38.6 feet, with scribing visible on partially healed blaze (Wanless's Record N. 77' E.).  
23" Ponderosa Pine bears S. 75 1/2' E., 94.5 feet with scribing visible on partially healed blaze and 3/4" brass washer "PLS 1106" nailed to the blaze (Wells's Record S. 77 1/4' E.).  
21" White Fir stump, bears S. 32 3/4' E., 41.5 feet, with scribing visible on partially healed blaze (Wanless's Record S. 34' E.).  
26" Ponderosa Pine bears S. 4 1/4' W., 31.1 feet with scribing visible on partially opened blaze (Pershin's Record S. 7' W.).  
18" Ponderosa Pine bears N. 33 3/4' W., 327.1 feet with scribing visible on visible on partially healed blaze and 3/4" brass washer "PLS 1106" nailed to the blaze (Wells's Record N. 35 1/4' W.).  
22" White Fir snag bears N. 23 3/4' W., 34.6 feet, with healed blaze (Pershin's Record N. 45' W.).



Description of monument and accessories | established to perpetuate the original location of this corner:

DATUM: NAD83(1991)  
STATE PLANE COORDINATES: Oregon North Zone in International Feet

Latitude	Longitude	Northing(y)	Easting(x)
45°13'41.56777" North	118°50'22.51376" West	573690.970	8629838.232

J-14

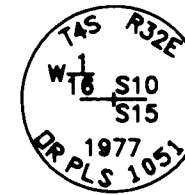
W 1/16 Section corner of sections 10 and 15.

History of original corner establishment:

1977, Barry B. Barbour, Registered Land Surveyor No. 1051, while surveying section 10 (Umatilla County Survey No. 0-69-A) established the corner as follows:  
At surveyed point:  
Set 2 1/2" x 30" galvanized pipe with brass cap, 18" in ground and built a mound of stones to the cap.  
From which  
A Pine 22" in diameter bears N 1' W, 69.5 ft., scribed W 1/16 S 10 BT.  
A Pine 8" in diameter bears S18' W, 48.3 ft., scribed W 1/16 S 15 BT.  
Attached a brass washer, stamped PLS 1051, to foot blaze of both BT's.

Description of corner evidence found:

Found 2 1/2" iron pipe, with 2 1/2" brass cap, projecting 10" above the ground, surrounded by a ring of stones, marked as shown, from which:  
11" Ponderosa Pine, bears S. 17 1/2' W., 48.3 feet with healed double blaze (Barbour's Record S. 18' W.)  
22" Ponderosa Pine stump, bears N. 1' W., 68.1 feet (Barbour's Record 69.5 ft.)  
A fence's large rock jack lies 0.5 feet northwest of the monument.



Description of monument and accessories | established to perpetuate the original location of this corner:

New BT:  
9" Ponderosa Pine, bears N. 6 1/2' E., 42.6 feet, scribed "W1/16 S10" "BT" on double blaze with 3/4" brass washer stamped "RLS 2308" nailed to the lower blaze.

DATUM: NAD83(1991)  
STATE PLANE COORDINATES: Oregon North Zone in International Feet

Latitude	Longitude	Northing(y)	Easting(x)
45°13'41.62077" North	118°50'04.04578" West	573723.538	8631159.471

J-15

1/4 Section corner of sections 10 and 15.

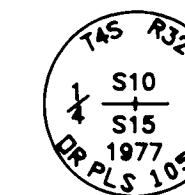
History of original corner establishment:

1881, George S. Pershin, U.S. Deputy surveyor, while surveying the township under General Land Office Contract No. 390 established the corner as follows:  
Set basalt stone 14 X 12 X 5 on steep W. face of bluff for 1/4 Sec. cor.  
A Fir 18 in. di. brs. N. 32' E. 19 lks. dis.  
A Pine 15 in. di. brs. S. 2' E. 89 lks. dis.

1977, Barry B. Barbour, Registered Land Surveyor No. 1051, while surveying section 10 (Umatilla County Survey No. 0-69-A) reestablished and described the corner as follows:  
Could not find any evidence of the stone called for or any of the bearing trees.  
Set 2 1/2" x 30" galvanized pipe with brass cap, 20" in ground with a mound of stones to cap.  
New BT's:  
20" Pine bears N 46' E, 86.0 ft., marked 1/4 S10 BT  
18" Fir bears S 24' W, 80.0 ft., marked 1/4 S15 BT  
Placed brass washer, stamped PLS 1051, in foot blaze of both trees.

Description of corner evidence found:

Found a 2 1/2" galvanized iron pipe, with 2 1/2" brass cap, projecting 11" above the ground, marked as shown, from which:  
20" Ponderosa Pine bears N. 46' E., 86.0 feet with scribing visible on partially healed double blaze and 1 1/4" brass washer "PLS 1501" nailed to the lower blaze.  
18" Fir snag bears S. 24' W., 80.0 feet with scribing visible on partially healed blaze.



Description of monument and accessories | established to perpetuate the original location of this corner:

Marked new BT's:  
28" Ponderosa Pine, bears S. 45' E., 63.6 feet, scribed "1/4 S15" "BT" on double blaze with 3/4" brass washer stamped "RLS 2308" nailed to the lower blaze.  
24" Ponderosa Pine, bears S. 12' W., 66.6 feet, marked with a chopped "X" and scribed "BT" in low blaze with 3/4" brass washer stamped "RLS 2308" nailed to the low blaze.

DATUM: NAD83(1991)  
STATE PLANE COORDINATES: Oregon North Zone in International Feet

Latitude	Longitude	Northing(y)	Easting(x)
45°13'41.63814" North	118°49'45.57610" West	573752.585	8632480.904

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

DAVID A. SCHLAICH  
OREGON  
JULY 16, 1987  
2308

RENEWAL DATE: 06/30/2008

04-213-B

RECEIVED BY  
Umatilla County Surveyor  
Date 11-04  
Rec'd by KK  
No. 04-213-B