

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF THE EAST BOUNDARY,
SUBDIVISIONAL LINES AND SUBDIVISION-OF-SECTION LINES OF SECTION 1,
AND SUBDIVISION OF SECTION 1,
AND METES-AND-BOUNDS SURVEYS OF CERTAIN LOTS IN SECTION 1,
OF
TOWNSHIP 2 NORTH, RANGE 33 EAST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

David A. Schlaich, Land Surveyor, U. S. Forest Service

Under Special Instructions dated April 8, 2008, approved April 9, 2008,
and Supplemental Special Instructions dated May 19, 2008,
approved May 21, 2008, which provided for the surveys included under
Group No. 2216, and Assignment Instructions dated April 9, 2008,
and May 21, 2008.

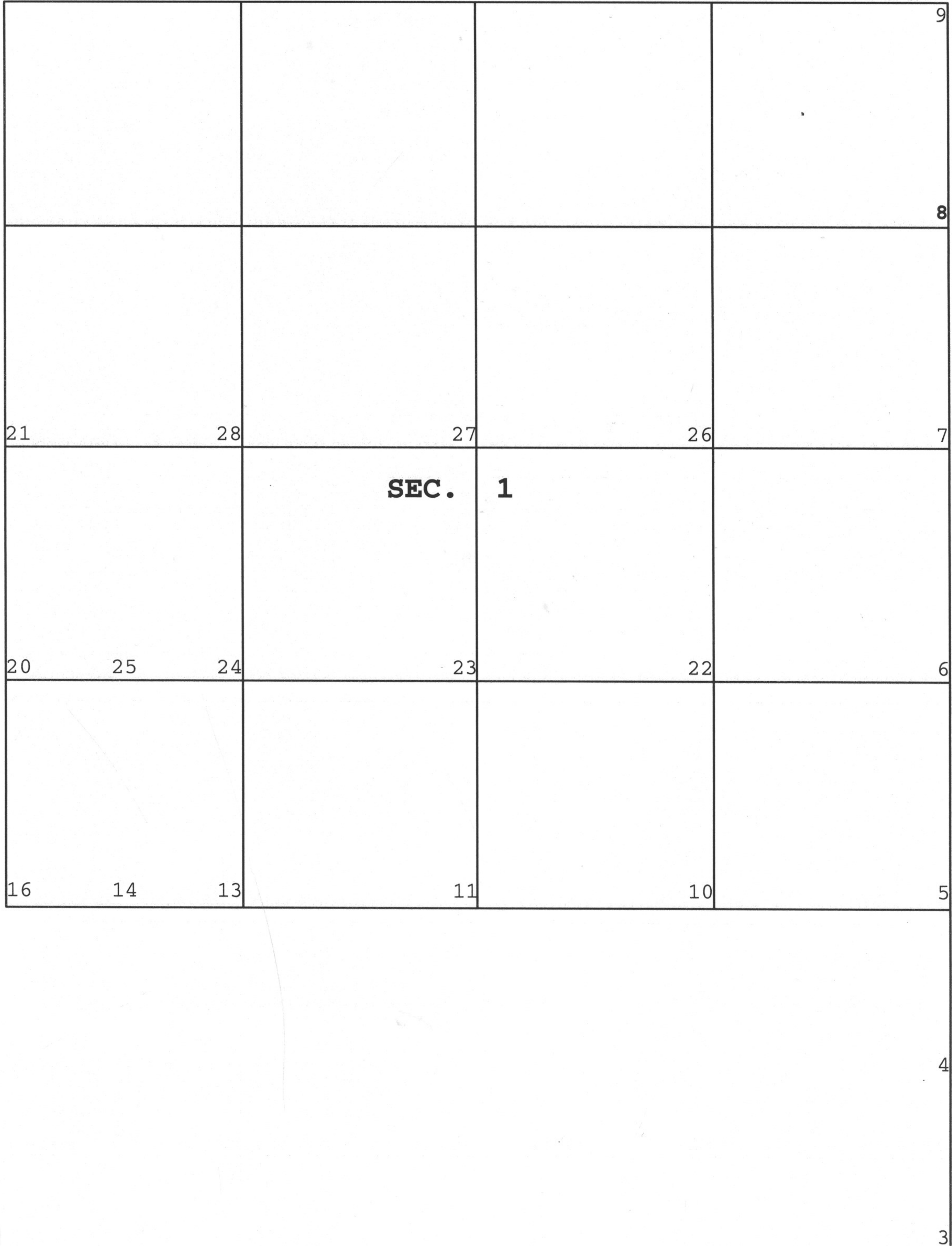
Survey commenced April 22, 2008

Survey completed June 3, 2008

INDEX DIAGRAM

TOWNSHIP 02 NORTH

RANGE 33 EAST



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The following field notes are those of the dependent resurvey of a portion of the east boundary, subdivisional lines, subdivision of section lines of section 1 and subdivision of Section 1, and metes-and-bounds surveys of certain lots in section 1, Township 2 North, Range 33 East, Willamette Meridian, Oregon.

The history of Federal surveys pertaining to this survey is as follows:

In 1864, David P. Thompson, U.S. Deputy Surveyor, surveyed the north and east boundaries, as shown on the official plat of survey approved December 25, 1864.

In 1871, Zenas F. Moody, U.S. Deputy Surveyor, surveyed the north boundary and the subdivisional lines, and subdivided certain sections, as shown on the official plat of survey approved November 11, 1871.

In 1887, James P. Currin and James E. Noland, U.S. Deputy Surveyors, resurveyed the subdivisional lines and subdivided certain sections by the three mile method, as shown on the official plat of survey approved June 14, 1890.

In 1889, James P. Currin, U.S. Deputy Surveyor, resurveyed a portion of the subdivisional lines and surveyed certain Indian Allotment lines, as shown on the official plat of survey approved August 31, 1889.

In 1890, James P. Currin and James E. Noland, U.S. Deputy Surveyors, resurveyed the north boundary, as shown on the official plat of survey approved June 14, 1890.

In 1918, C.E. Redfield, Surveyor for the U.S. Indian Service, dependently resurveyed a portion of the east boundary, subdivisional lines and subdivided Section 1 using the three mile method. The recovered Redfield monuments and record were accepted in this survey and used to control the restoration of lost corners. The field books of the Redfield survey are on file at the Bureau of Indian Affairs, Umatilla Agency Office, in Mission, Oregon.

The following plats and field notes filed in the Umatilla County Surveyor's Office are referred to in subsequent corner descriptions and are referenced by surveyor's last name and year.

<u>Date</u>	<u>Name and Registration Number</u>	<u>File Number</u>
1982	William R. Wells PLS 1106	82-60-B
1982-83	David H. Krumbein PLS 933	83-95-Ax
1982-83	William R. Wells PLS 1106	83-141-Ax
1985	Earl D. Ming PLS 1861	86-15-A
1988	William R. Wells PLS 1106	89-42-B
1988	William R. Wells PLS 1106	89-43-B
1992	William R. Wells PLS 1106	92-29-C
1998	William R. Wells PLS 1106	99-07-B
2001	William R. Wells PLS 1106	01-212-R
2002	William R. Wells PLS 1106	02-274-B

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The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, Special Instructions dated April 8, 2008, and Supplemental Special Instructions dated May 19, 2008, for Group No. 2216, Oregon.

The retracement data was thoroughly verified and only the true line data is given.

The direction of the lines are based on the true meridian as determined by Global Positioning System (GPS) measurements.

The survey was performed using a combination of GPS static and Real Time Kinematic measurements. The GPS measurements utilized dual frequency carrier phase receivers and were executed in accordance with the "Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods", dated May 9, 2001, published by the U.S.D.A. Forest Service and U.S.D.I. Bureau of Land Management.

The static GPS vectors have been adjusted using computer software which incorporates a least squares adjustment routine. The maximum GPS cadastral measurement error ellipse at 95% confidence level is 0.05 feet based on local accuracy standards. The adjusted bearings and distances are reported to the nearest second and 0.01 foot.

The following published stations from the National Spatial Reference System, Cooperative Base Network Station were used for control:

1. "PENDLETON", National Geodetic Survey.
45° 40' 01.47744" N.; 118° 46' 38.96233" W.; (NAD 1983 (2007))
2. "ATHENA", National Geodetic Survey.
45° 48' 45.21156" N.; 118° 28' 15.17079" W.; (NAD 1983 (2007))

The geographic position (NAD 1983 (2007)) of the corner of sections 1, 6, 31, and 36 at the northeast corner of the township, as determined by direct occupation utilizing dual frequency, carrier phase GPS receivers and stations PENDLETON and ATHENA, is as follows:

Latitude: 45° 41' 19.114" N. Longitude: 118° 37' 17.783" W.

Geographic positions were also determined for other PLSS corners of this survey. The geographic positions are reported with the corner description.

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The 1/4 sec. cor. of secs. 7 and 12, on the E. bdy. of the Tp., reestablished by Redfield, perpetuated by Ming, PLS No. 1861, in 1985, and utilized by Wells, PLS No. 1106, in 1989. There is no remaining evidence of the original corner, therefore this position is accepted as the corner; monumented with an iron post, 2 1/2 ins. diam., firmly set, top 10 ins. below the surface of a gravel road, 4.5 ft. W. of center, with aluminum cap, 1 1/2 ins. diam., set in concrete in the center of the iron post, mkd.

EAST ¼ COR SEC 12
LS 1861

from which new accessories

A power pole, 11 ins. diam., bears S. 60° E., 33.1 ft. dist., with sign mkd. 2N34E 070401, with 2 1/2 inch x 1/4 inch magnetic nail (Mag Nail), driven at the base on right side center.

A stainless steel post, 28 ins. long, 2 1/2 ins., diam., set 27 ins. in the ground, for reference monument, bears S. 72 25' 58" W., 7.18 ft. dist., with brass cap, mkd. RM 1/4 S12 N72-25-58E 7.18 FT TO COR 2008, with an arrow pointing to the corner, located 0.4 ft., E. of a wood post, at the corner of fences, extending S. and W.

From this corner, a local point, established by Wells in 1988 survey, recorded as CS 89-43-B, bears N. 0° 11' 14" E., 199.99 ft. dist., monumented with an iron rod, 5/8 in. diam., flush with the ground, with yellow plastic cap, mkd. W.R.WELLS PLS 1106.

From this corner, S., at:

260 ft. dist., Union Pacific Rail Road tracks, bears E. and W.

The geographic position (NAD 1983 (2007)) of this corner is:

Latitude: 45° 40' 03.091" N. Longitude: 118° 37' 18.134" W.

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Point for the N 1/16 sec. cor. of secs. 7 and 12, on the E. bdy. of the Tp., at proportionate distance based on the resurvey by Redfield; there is no remaining evidence of the original cor. or the cor. reestablished by Redfield.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd.

N 1/16
S 12 | S 7
2008

from which a new bearing tree

A cottonwood, 12 ins. diam., bears N. 84° E., 65.1 ft. dist., mkd. X BT, with 2 1/2 inch x 1/4 inch magnetic nail (Mag Nail), driven at the base on right side center.

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Set aluminum U channel post, 6 ft. long, with location poster, 5.0 ft., N., from the stainless steel post.

From this corner, a black plastic pipe, 4 1/2 ins. diam., with bolted on plastic cap, projecting 16 ins. above ground, bears S. 22° 52' 19" W., 122.28 ft. dist.

From this corner, a white plastic pipe, 1 1/2 ins. diam., with plastic cap, projecting 11 ins. above ground, bears N. 59° 26' 36" W., 75.23 ft. dist.

From this corner, N. 0° 00' 39" E., at:

220 ft. dist., left edge of Umatilla River, on April 24 2008, course S. 70° W.

The geographic position (NAD 1983 (2007)) of this corner is:

Latitude: 45° 40' 16.15" N. Longitude: 118° 37' 18.13" W.

T. 2 N., R. 33 E., Willamette Meridian, Oregon

Point for the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp., at proportionate distance, using the irregular boundary method based on the resurvey by Redfield; there is no remaining evidence of the original cor. or the cor. reestablished by Redfield.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 49 ins. in the ground, the top 21 ins. below surface, with brass cap mkd.

	T 2 N	
R 33 E		R 34 E
S 1		S 6
S 12		S 7
	2008	

from which new accessories

An iron rod, 18 ins. long, 5/8 in. diam., set flush with the ground, for reference monument, bears S. 20° 04' 31" E., 54.11 ft. dist., with aluminum cap, 2 ins. diam., mkd. RM T2N R34E S7 N20-04-31W 54.11 FT TO COR 2008, with an arrow pointing to the corner, located 1.0 ft., S. from the SW. cor. of an Oasis Guzzler, 7.0 ft. length by 6.0 ft. width.

A magnet, in a blue plastic case, buried 20 ins. in the ground, bears S. 41 1/2° W., 21.9 ft. dist.

A magnet, in a pink plastic case, buried 20 ins. in the ground, bears N. 48 3/4° W., 23.1 ft. dist.

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

From this cor., the point for the N-N 1/64 sec. cor. of secs. 7 and 12, on the E. bdy. of Tp., bears S. 0° 00' 39" W., 659.94 ft. dist., at proportionate distance, there is no remaining evidence of the original corner. No monument set.

The geographic position (NAD 1983 (2007)) of this corner is:

Latitude: 45° 40' 29.18" N. Longitude: 118° 37' 18.13" W.

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Point for the S 1/16 sec. cor. of secs. 1 and 6, on the E. bdy. of the Tp., at proportionate distance based on the resurvey by Redfield; there is no remaining evidence of the original cor. or the cor. reestablished by Redfield.

Set an iron rod, 18 ins. long, 5/8 in. diam., 28 ins. in the ground, top 10 ins. below the surface of a dirt road, 6.0 ft., S. 50° W., from road center, with aluminum cap, 2 ins. diam., mkd.

S 1/16
S 1 | S 6
2008

from which a new accessory

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 23 ins. in the ground, for reference monument, bears S. 73° 50' 46" W., 26.12 ft. dist., with brass cap, mkd. RM S1/16 S1 N73-50-46E 26.12 FT TO COR 2008, with an arrow pointing to the corner, located 1.5 ft., S. 10° E., from galvanized iron sign post, 2 ins. diam., road sign is missing.

Deposit a magnet, in a white plastic case, on top of the aluminum cap.

From this corner, a local point establish by person(s) unknown, bears N. 65° 23' 59" W., 57.41 ft. dist., monumented with an iron rod, 1/2 in. diam., projecting 12 ins. above the ground, in the ditch of Kirkpatrick Road. This point was not used as control in this survey.

From this corner, the junction of the dirt road, extending S. 45° E., with Mann Road, extending N., and Kirkpatrick Road, extending W., bears N. 34° W., 20.0 ft. dist.

The geographic position (NAD 1983 (2007)) of this corner is:

Latitude: 45° 40' 42.24" N. Longitude: 118° 37' 18.04" W.

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Point for the 1/4 sec. cor. of secs. 1 and 6, on the E. bdy. of the Tp., at proportionate distance based on the resurvey by Redfield; there is no remaining evidence of the original cor. or the cor. reestablished by Redfield.

Set an iron rod, 18 ins. long, 5/8 in. diam., 28 ins. in the ground, top 10 ins. below the surface of Mann Road, 3 ft., E. of road center, with aluminum cap, 2 ins. diam., mkd.

T 2 N			
1/4			
R 33 E		R 34 E	
S 1		S 6	
2008			

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set flush with the ground, for reference monument, bears S. 83° 48' 14" E., 9.83 ft. dist., with brass cap, mkd. RM 1/4 S6 N83-48-14W 9.83 FT TO COR 2008, with an arrow pointing to the corner.

Deposit a magnet, in a white plastic case, on top of the aluminum cap.

Set aluminum U channel post, 6 ft. long, with location poster, 10.0 ft., S. 83 3/4° E., from the iron rod.

The geographic position (NAD 1983 (2007)) of this corner is:

Latitude: 45° 40' 55.39" N. Longitude: 118° 37' 17.95" W.

T. 2 N., R. 33 E., Willamette Meridian, Oregon

Point for the N 1/16 sec. cor. of secs. 1 and 6, on the E. bdy. of the Tp., at proportionate distance based on the resurvey by Redfield; there is no remaining evidence of the original corner.

Set an iron rod, 12 ins. long, 5/8 in. diam., 22 ins. in the ground, 10 ins. below the surface of Mann Road, in center of road, with aluminum cap, 2 ins. diam., mkd.

N 1/16
S 1 | S 6
2008

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for reference monument, bears S. 86° 51' 12" E., 11.81 ft. dist., with brass cap, mkd. RM N1/16 S6 N86-51-12W 11.81 FT TO COR 2008, with an arrow pointing to the corner.

Deposit a magnet, in a white plastic case, on top of the aluminum cap.

Set aluminum U channel post, 6 ft. long, with location poster, 12.0 ft., S. 86 3/4° E., from the iron rod.

The geographic position (NAD 1983 (2007)) of this corner is:

Latitude: 45° 41' 08.35" N. Longitude: 118° 37' 17.86" W.

T. 2 N., R. 33 E., Willamette Meridian, Oregon

The cor. of Tps. 2 and 3 N., Rgs. 33 and 34 E., reestablished by Redfield, perpetuated by Wells, PLS No. 1106, in 2001. There is no remaining evidence of the original corner therefore this position is accepted as the corner; monumented with an iron post, 1 1/2 ins. diam., top 19 ins. below ground, with brass cap, 2 1/2 ins. diam., mkd.

	T 3 N	
R 33 E	S 36	S 31 R 34 E
	S 1	S 6
	T 2 N	
	2001	
	PLS 1106	

from which accessories set by Wells

An iron rod, 5/8 in. diam., flush with the ground, bears S. 4° 26' 22" E., 45.98 ft. dist., with yellow plastic cap, mkd. ORPLS 1106 WAPLS 17372, located 4.0 ft., W. of the W. edge of Mann Road

An iron rod, 5/8 in. diam., 20 ins. below ground, bears N. 43° 28' 13" W., 25.62 ft. dist., with yellow plastic cap, mkd. ORPLS 1106 WAPLS 17372. Deposit a magnet, in a pink plastic case, on top of the iron rod.

The magnets buried by Wells in the NE. and SW. quadrants were verified with a magnetic locator, however their exact positions were not determined.

From this corner, a local point purportedly established by Paul Tomkins, Registered Land Surveyor No. 2360, bears N. 85° 37' 15" W., 19.72 ft. dist., monumented with an iron rod, 5/8 in. diam., 16 ins. below ground, with yellow plastic cap, mkd. TOMKINS SURVEYING. This point was not used as control in this survey. Deposit a magnet, in a blue plastic case, on top of the iron rod.

From this corner, a steel fence post, bears N. 82 1/4° E., 72.5 ft. dist., located 6.0 ft., N. of the N. edge of Mann Road

From this corner, S. 0° 16' 37" W., at:

61 ft. dist., W. edge of Mann Road, bears N. 30° E. and S. 5° W.

CERTIFICATE OF SURVEY

I, David A. Schlaich, Land Surveyor, U.S. Forest Service, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 8th day of April, 2008, and supplemental special instructions bearing date of the 19th day of May, 2008, I have dependently resurveyed a portion of the east boundary, subdivisional lines, subdivision-of-section lines, and subdivided section 1, and surveyed by metes-and-bounds certain lots in section 1, Township 2 North, Range 33 East, of the Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

January 8, 2010
(Date)

David A. Schlaich
(Land Surveyor, U.S. Forest Service)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Portland, Oregon

The foregoing field notes of the dependent resurvey of a portion of the east boundary, subdivisional lines, subdivision-of-section lines in section 1 and the subdivision of section 1, and metes-and-bounds surveys of certain lots in section 1, Township 2 North, Range 33 East, Willamette Meridian, Oregon, executed by David A. Schlaich, Land Surveyor, U.S. Forest Service, having been critically examined and found correct, are hereby approved.

January 27, 2010
(Date)

Mary J. M. Harte
(Chief Cadastral Surveyor of Oregon)