

R-647

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY  
OF THE UMATILLA INDIAN RESERVATION,  
A PORTION OF THE EAST BOUNDARY AND SUBDIVISIONAL LINES,  
AND  
THE SUBDIVISION OF SECTION 13,  
TOWNSHIP 2 SOUTH, RANGE 33 EAST,  
OF THE  
WILLAMETTE MERIDIAN,  
IN THE STATE OF OREGON

EXECUTED BY

Richard L. Johnson, Cadastral Surveyor

Under Special Instructions dated August 22, 1986, approved August 22, 1986,  
which provided for the surveys included under Group No. 1343,  
and Assignment Instructions dated July 13, 1987.

Survey commenced July 28, 1987

Survey completed May 26, 1990



# INDEX DIAGRAM

Township 2 SOUTH, Range 33 EAST,

6	5	4	3	2	1
7	8	9	10	11	12 10 12
18	17	16	15	14	13 7 11
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Umatilla Indian Reservation Bdry: Pg. 2 to 6  
 Subdivision of Section 13 : Pg. 14 to 17



## T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS

The following field notes are those of the dependent resurvey of a portion of the south boundary of the Umatilla Indian Reservation, a portion of the east boundary and subdivisional lines, and the subdivision of section 13, township 2 south, range 33 east, Willamette Meridian, Oregon.

The history of prior surveys that pertain to this resurvey is as follows:

In 1887, James P. Currin and James E. Noland, U.S. Deputy Surveyors, surveyed the Umatilla Indian Reservation Boundary, the east boundary of the township, and a portion of the subdivisional lines.

In 1890, John C. Arnold, U.S. Deputy Surveyor, surveyed a portion of the subdivisional lines.

The survey was executed in accordance with the Manual of Surveying Instructions, 1973, and the Special Instructions dated August 22, 1986, for Group No. 1343, Oregon.

Preliminary to the resurvey, the lines of the original surveys were retraced and a search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate position based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of the lines were determined by means of deflections from azimuths obtained by direct solar observations and refer to the true meridian. All lines not forming a closure were measured twice.

Detectable Electronically Energized Particles (DEEP-1 TM) were buried as memorials at all corner monuments. The DEEP-1 is composed of strontium, encased in the color-coded plastic container. The units are 1 inch in diameter, 2½ inches long, weight 2½ ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position (NAD 1927) of the ¼ section corner of sections 12 and 13, as determined from a tie to United States Coast and Geodetic Survey triangulation station "BIRCH," located in section 12, is as follows:

Latitude 45° 23' 52.76" N. Longitude 118° 37' 19.57" W.

The mean magnetic declination is 20° E.



Dependent Resurvey of a Portion of  
the South Boundary of the Umatilla Indian Reservation,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS

(Restoring the survey by James P. Currin and  
James E. Noland, in 1987)

Beginning at the 70 Mile Corner on the South Boundary of the Umatilla Indian Reservation on the E. bdy. of T.2 S., R. 33 E., Willamette Meridian, Oregon, monumented with the original basalt stone, 18 x 12 x 10 ins., firmly set in a mound of stone, 3 ft. base, 2 ft. high, with chisel marks UR on E. face and 70 M on S. face.

At the corner point

Set a stainless steel post, 28 ins. long, 2½ ins diam., 8 ins. in the ground to solid rock, supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

	T 2 S	
R 33 E		R 34 E
	70 MP	
S 24		S 19
	1987	

No suitable trees available.

Deposit a white "DEEP-1" magnetic marker at the base and the original stone alongside the stainless steel post and set a steel fence post alongside the corner.

The corner is located on open SW. slope.

N. 0° 27' 30" W., on the South Boundary of the Umatilla Indian Reservation, identical with the E. bdy. of sec. 24, T. 2 S., R. 33 E.

Ascend SW. slope, through open grassland.

0.60 Spur, slopes S. 45° W.; desc. broken W. slope.

12.470 The cor. of secs. 13 and 24 only, monumented with the original basalt stone, 12 x 9 x 7 ins., firmly set, protruding 6 ins. above the ground, mkd. with 3 notches on the N. and S. edges.

At the corner point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.



Dependent Resurvey of a Portion of  
the South Boundary of the Umatilla Indian Reservation,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS	
	T 2 S R 33 E $\frac{S 13}{S 24}$   S 19 R 34 E 1987
	<p>from which</p> <p>A ponderosa pine, 25 ins. diam., bears S. <math>31\frac{1}{2}^\circ</math> W., 350<math>\frac{1}{2}</math> lks. dist., mkd T2S R33E S24 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at the base and the original stone alongside the stainless steel post and set a steel fence post alongside the corner.</p> <p>The corner is located on steep W. slope.</p> <hr/> <p>N. <math>0^\circ 25' 00''</math> E., on the E. bdy. of sec. 13; continuing on the Reservation Boundary.</p> <p>Over broken SW. slope.</p>
1.90	Ravine, drains S. $60^\circ$ W.; asc. SW. slope.
3.855	<p>Point for the closing cor. of secs. 18 and 19, T. 2 S., R. 34 E., at proportionate distance; the original basalt stone, 16 x 14 x 12 ins., mkd. UIR CC, has been disturbed and was found lying loose on the ground and downhill from this point.</p> <p>Set a stainless steel post, 28 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	T 2 S R 33 E   R 34 E S 13   $\frac{S 18}{S 19}$ C 1989
	<p>Deposit a white "DEEP-1" magnetic marker at the base and the original stone alongside the stainless steel post and set a steel fence post alongside the corner.</p>
17.50	Barbed wire fence, 4 strands, bears N. $35^\circ$ W. and S. $35^\circ$ E.
20.35	Rocky Ridge Road, dirt, 15 lks. wide, bears N. $45^\circ$ W. and S. $45^\circ$ E.
21.60	Barbed wire fence, 5 strands, bears N. $40^\circ$ W. and S. $40^\circ$ E.



Dependent Resurvey of a Portion of  
the South Boundary of the Umatilla Indian Reservation,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS	
22.100	<p>Point for the First Angle Point on the 71st mile of the Umatilla Indian Reservation Boundary, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, supported in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 2 S R33E   R34E UIR AP-1 S13     S18 1989</p> </div> <p>No suitable trees available</p> <p>Deposit a white "DEEP-1" magnetic marker at the base and set a steel fence post alongside the stainless steel post.</p> <p>The corner is located on Rocky Ridge, bears N. 50° W. and S. 50° E.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 49° 57' 30" W., beginning new measurement.</p> <p>Over level, rocky grassland.</p>
1.40	Barbed wire fence, 4 strands, bears N. 50° W. and S. 50° E.
5.950	<p>Point for the 70½ Mile Corner on the South Boundary of the Umatilla Indian Reservation, at proportionate distance; the original basalt stone, 10 x 10 x 10 ins., with chisel mark M, has been moved and was found in a rockjack NE. of this position.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 10 ins. in the ground, to rock, supported in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>UIR 70½ M S 13 T 2 S R 33 E 1990</p> </div>



Dependent Resurvey of a Portion of the East Boundary,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS	
	<p>(Restoring the survey by James P. Currin and James E. Noland, in 1887)</p> <hr/> <p>From the First Angle Point on the 71st mile of the Umatilla Indian Reservation Boundary, on the E. bdy. of T. 2 S., R. 33 E., hereinbefore described.</p> <p>N. 0° 25' 00" E., on the E. bdy. of sec. 13.</p> <p>Descend over NE. slope.</p>
10.50	Ravine, drains N. 80° E.; asc SE. slope.
18.160	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 13 only, monumented with the original mound of stone, 3 ft. base, 1 ft. high.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T2S R33E   R34E ½ S13   1987</p> </div> <p>Deposit a white "DEEP-1" magnetic marker at the base, set a steel fence post alongside the stainless steel post, and raise a mound of stone, 3 ft. base, 3 ft. high, W. of the corner.</p> <hr/> <p>N. 0° 31' 00" E., beginning new measurement.</p> <p>Over broken NE. slope, through scattering timber.</p>
2.65	Dirt road, 15 lks. wide, bears N. 30° W. and S. 30° E.
3.715	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of sec. 18 only, T. 2 S., R. 34 E., at midpoint latitudinally on the W. bdy. of sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>



Dependent Resurvey of a Portion of the East Boundary,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS	
	T2S R33E   R34E   ½   S18 1989
	from which  A ponderosa pine, 16 ins. diam., bears N. 75° E., 144½ lks. dist., mkd. ½ S18 BT.  A ponderosa pine, 13 ins. diam., bears S. 53½° E., 206 lks. dist., mkd. ½ S18 BT.  Deposit a white "DEEP-1" magnetic marker at the base and set a steel fence post alongside the stainless steel post.  The corner is located on E. slope.
7.00	Enter timber and light undergrowth, edge bears NW. and SE.
11.05	Ravine, drains N. 60° E.; continue over broken E. slope.
19.50	Ravine, drains S. 60° E.; asc. SE. slope.
19.920	Point for the N 1/16 sec. cor. of sec. 13 only.  Set a stainless steel post, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.
	N 1/16   S 13   1987
	from which  A ponderosa pine, 19 ins. diam., bears S. 34¾° W., 383 lks. dist., mkd. N 1/16 S13 BT.  Deposit a white "DEEP-1" magnetic marker at the base and set a steel fence post alongside the stainless steel post.  The corner is located on SE. slope.
21.15	Spur, slopes E.; desc. NE. slope.
22.50	Dirt road, 15 lks. wide, bears N. 65° W. and S. 65° E.
23.00	Enter timber and undergrowth, edge bears E. and W.



Dependent Resurvey of a Portion of the East Boundary,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS 23.775	<p>Point for the N 1/16 sec. cor. of sec. 18 only, T. 2 S., R. 34 E.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">N 1/16</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">S 18</td></tr> <tr><td style="padding: 0 5px;">1987</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 54½° E., 108½ lks. dist., mkd. N 1/16 S18 BT.</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears S. 50° E., 60 lks. dist., mkd. N 1/16 S18 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at the base and set a steel fence post alongside the stainless steel post.</p>	N 1/16	S 18	1987							
N 1/16											
S 18											
1987											
27.90	<p>Ravine, drains S. 70° E.; asc. steep S. slope.</p>										
39.840	<p>The cor. of secs. 12 and 13 only, monumented with the original unmarked basalt stone, 14 x 10 x 10 ins., firmly set, protruding 4 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2">T 2 S</td></tr> <tr><td>R 33 E</td><td>R 34 E</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">S 12</td><td>S 18</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">S 13</td><td></td></tr> <tr><td colspan="2">1987</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A ponderosa pine, 14 ins. diam., bears N. 50½° W., 108½ lks. dist., mkd. T2S R33E S12 BT.</p> <p>No other suitable trees available.</p> <p>Deposit a white "DEEP-1" magnetic marker at the base, deposit the original stone alongside, set a steel fence post alongside the stainless steel post, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of the corner.</p> <p>The corner is located on S. slope.</p>	T 2 S		R 33 E	R 34 E	S 12	S 18	S 13		1987	
T 2 S											
R 33 E	R 34 E										
S 12	S 18										
S 13											
1987											



Dependent Resurvey of a Portion of the East Boundary,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS	<p>N. 0° 02' 30" W., on the E. bdy. of sec. 12.</p> <p>Ascend S. slope, through open grassland.</p> <p>2.70 Top of ascent, edge bears E. and W.; asc. gentle S. slope.</p> <p>3.995 The original closing cor. of secs. 7 and 18, T. 2 S., R. 34 E., monumented with the original mound of stone, 3 ft. base, 1 ft. high.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 4 ins. in the ground, to solid rock, and supported in a mound of stone, 5 ft. base to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td style="text-align: center;">T 2 S</td><td></td></tr> <tr><td style="text-align: center;">R 33 E</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td style="text-align: center;">R 34 E</td></tr> <tr><td></td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td style="text-align: center;">S 7 C</td></tr> <tr><td style="text-align: center;">S 12</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td style="text-align: center;">S 18 C</td></tr> <tr><td></td><td></td><td style="text-align: center;">-----</td></tr> <tr><td></td><td></td><td style="text-align: center;">1989</td></tr> </table> </div> <p>from which</p> <p style="margin-left: 40px;">A ponderosa pine, 16 ins. diam., bears N. 13¾° E., 527½ lks. dist., mkd. T2S R34E S7 CC BT.</p> <p style="margin-left: 40px;">The west tree of a double ponderosa pine, 14 ins. diam., bears S. 88¾° E., 551 lks. dist., mkd. T2S R34E S18 CC BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at the base and set a steel fence post alongside the stainless steel post.</p> <p>Over level land, through scattered timber and light undergrowth.</p> <p>34.75 Ravine, drains N. 70° E.; asc. gentle SE. slope.</p> <p>40.340 The original ¼ sec. cor. of sec. 12 only, monumented with the original mound of stone, 3 ft. base, 1 ft. high.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 8 ins. in the ground, to solid rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td style="text-align: center;">T 2 S</td><td></td></tr> <tr><td style="text-align: center;">R 33 E</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td style="text-align: center;">R 34 E</td></tr> <tr><td></td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td></td></tr> <tr><td></td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td></td></tr> <tr><td style="text-align: center;">S 12</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;"> </td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td style="text-align: center;">1987</td></tr> </table> </div>		T 2 S		R 33 E		R 34 E			S 7 C	S 12		S 18 C			-----			1989		T 2 S		R 33 E		R 34 E							S 12								1987
	T 2 S																																							
R 33 E		R 34 E																																						
		S 7 C																																						
S 12		S 18 C																																						
		-----																																						
		1989																																						
	T 2 S																																							
R 33 E		R 34 E																																						
S 12																																								
		1987																																						



Dependent Resurvey of a Portion of the East Boundary,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

CHAINS

from which

A ponderosa pine, 26 ins. diam., bears S.  $5\frac{3}{4}^{\circ}$  W.,  
246 lks. dist., mkd.  $\frac{1}{4}$  S12 BT.

A ponderosa pine, 17 ins. diam., bears S.  $64\frac{1}{4}^{\circ}$  W.,  
278 $\frac{1}{2}$  lks. dist., mkd.  $\frac{1}{4}$  S12 BT.

Deposit a white "DEEP-1" magnetic marker at the base and set a  
steel fence post alongside the stainless steel post.

The corner is located on a gentle SE. slope, 5 lks. E. of a fence  
corner, 3 strands, barbed wire fences bear N. and W.

---

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 2 S., R. 33 E., Willamette Meridian, Oregon

---

(Restoring the survey by James P. Currin and James E. Noland,  
in 1887, and the survey by John C. Arnold, in 1890)

From the cor. of secs. 13 and 24 only, on the E. bdy. of the Tp.  
S.  $89^{\circ} 35' 30''$  W., bet. secs. 13 and 24.

Descend steep W. slope, over open grassland.

3.75 Ravine, drains S.  $45^{\circ}$  W.; thence over broken SW. slope.

39.885 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 24, at proportionate  
distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 10 ins.  
in the ground, to solid rock, and supported in a mound of stone,  
3 ft. base to top, with brass cap mkd.

T 2 S R 33 E  
 $\frac{1}{4}$  S 13  
S 24  
1987

from which

A fir, 27 ins. diam., bears S.  $61^{\circ}$  W., 695 lks. dist.,  
mkd.  $\frac{1}{4}$  S24 BT.

Deposit a white "DEEP-1" magnetic marker at the base of the  
stainless steel post.



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

CHAINS

## GENERAL DESCRIPTION

That portion of the township covered by this survey is located in the foothills of the Blue Mountains 20 miles southeast of Pendleton, Oregon, in Umatilla County. Elevations range from 3,540 feet above sea level at the corner of sections 13, 14, 23, and 24, to 4,500 feet above sea level on Rocky Ridge which crosses through section 13.

Section 13 is reached by way of U. S. Highway No. 395 from Pendleton, Oregon, to Pilot Rock, Oregon, where East Birch Creek Road gives general access to the area. Rocky Ridge Road and numerous gravelled and dirt roads give access to section 13.

Section 13 is bisected by Rocky Ridge from southeast to northwest. The area to the southwest of the ridge is covered by steep grassy slopes. Northeast of the ridge is generally level grassy ground, with groves of ponderosa pine and fir in the ravines.

The area is used mainly for the harvesting of timber and livestock grazing.

The mean magnetic declination is  $20^{\circ}$  East, as shown on the United States Geological Survey quadrangle "BASSEY CREEK, OREG.,"  $7\frac{1}{2}$  minute series, dated 1967.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Daniel E. Weller	Land Surveyor
Leonard W. Murphy	Land Surveyor
Robert J. Mayorga	Land Surveyor
Deborah M. Stephens	Land Surveyor (Trainee)
Robert E. Zeller	Surveying Technician
Michael R. Druckrey	Surveying Technician
Richard S. Shatto	Surveying Technician
Jeff B. Gray	Surveying Technician



