

CHAINS

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE BOUNDARY
OF DONATION LAND CLAIM NO. 37
AND
THE SUBDIVISION OF SECTION 20,
TOWNSHIP 29 SOUTH, RANGE 3 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Dale T. Bedell, Cadastral Surveyor

Under Special Instructions dated March 12, 1991,
approved March 13, 1991,
which provided for the surveys included under Group No. 1587,
and Assignment Instructions dated May 2, 1991.

Survey commenced May 9, 1991

Survey completed June 11, 1991

T. 29 S., R. 3 W., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the boundary of Donation Land Claim No. 37 and the subdivision of section 20, township 29 south, range 3 west, Willamette Meridian, Oregon.

The history of surveys pertaining to this resurvey is as follows:

In 1857, Dennis Hathorn, U.S. Deputy Surveyor, surveyed a portion of the subdivisional lines and Donation Land Claim No. 37.

From 1967 to 1977, Lynn M. Roseberry and James E. Jelley, Cadastral Surveyors, resurveyed a portion of the boundary of Donation Land Claim No. 37.

In 1979 and 1980, James E. Jelley and Wayne L. Rogers, Cadastral Surveyors, resurveyed a portion of the subdivisional lines and a portion of the boundary of Donation Land Claim No. 37.

In 1989-90, Dale T. Bedell, Cadastral Surveyor, resurveyed a portion of the subdivisional lines and subdivided sections 17 and 18.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated March 12, 1991, for Group No. 1587, Oregon.

The directions of the lines are based on the true meridian as determined by direct solar observations and were carried forward by means of sustained angulation. All measurements along the lines were derived through the use of electronic measuring equipment.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. The retracement data were thoroughly verified and only the true line field notes are given herein.

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

The geographic position (NAD 1927) of the northeast corner of Donation Land Claim No. 37, as determined from a tie to Geodetic Control Station No. EC 41006, established by the Bureau of Land Management, is as follows:

Latitude: 43° 02' 12.61" N. Longitude: 123° 05' 27.70" W.

The mean magnetic declination is 20° E.

**Dependent Resurvey of a Portion of
the Boundary of Donation Land Claim No. 37,
T. 29 S., R. 3 W., Willamette Meridian, Oregon**

**Dependent Resurvey of a Portion of
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	<p>(Restoring the survey by Dennis Hathorn in 1857, the resurvey by Lynn M. Roseberry and James E. Jelley in 1967-77, and the resurvey by James E. Jelley and Wayne L. Rogers in 1979-80)</p> <hr style="width: 20%; margin: auto;"/> <p>Beginning at the NE. cor. of Donation Land Claim No. 37, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T29S R3W <u> </u> C 37 * S 20 1977</p> <p>from which reference monuments by Roseberry and Jelley</p> <p>An iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, bears S. 28 1/2° W., 268 1/2 lks. dist., with brass cap mkd. C37 RM 1977 and an arrow pointing to the corner.</p> <p>An iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, bears N. 58 1/2° W., 300 lks. dist., with brass cap mkd. T29S R3W S20 RM 1977 and an arrow pointing to the corner.</p> <p>From this point, the Bureau of Land Management, Geodetic Control Station No. EC 41006, at latitude 43° 02' 42.468" N., longitude 123° 04' 46.437" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears N. 45° 23' 30" E., 65.220 chs. dist. (mean bearing and sea level distance), monumented with an aluminum cap, 3 ins. diam., set in cement flush with the ground, mkd. EC41006 GPS 1989.</p> <p>N. 89° 55' 00" W., on the N. bdy. of Donation Land Claim No. 37, through sec. 20.</p> <p>Cross open S. slope.</p>
8.30	Creek, 5 lks. wide, course S. 25° E.; asc. over broken SE. slope, through scattering timber and undergrowth.
8.920	Point for a crossing closing cor. at the intersection with the N. and S. centerline of the NW 1/4 of sec. 20, hereinafter described.
	Ascend over broken SE. slope.
9.00	Enter heavy timber and dense undergrowth.
16.60	Spur, slopes S.; desc. over a broken SW. slope.
20.40	Creek, 4 lks. wide, course S. 30° E.; asc. over SE. slope.
29.060	A crossing closing cor. on the line bet. secs. 19 and 20, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.

**Dependent Resurvey of a Portion of
the Boundary of Donation Land Claim No. 37,
T. 29 S., R. 3 W., Willamette Meridian, Oregon**

CHAINS

CCC
S 19 | S 20
DLC 37
1980

from which bearing trees mkd. by Jelley and Rogers

A fir, 10 ins. diam., bears N. 66 1/2° E., 37 1/2 lks. dist.,
mkd. with a healed blaze.

A fir, 15 ins. diam., bears N. 63° W., 56 1/2 lks. dist.,
mkd. with a healed blaze.

From this point, the 1/4 sec. cor. of secs. 19 and 20, bears
S. 0° 21' 00" E., 6.475 chs. dist., hereinafter described.

From this same point, a point established as a crossing closing
cor. on the N. bdy. of DLC No. 37 by Edwin S. Woodford, Registered
Engineer No. 622, in 1953, recorded in Douglas County Survey File
No. 42/68, bears N. 0° 03' 00" E., 1.050 chs. dist., monumented
with an iron rod, 1 in. diam., with a nut, 1 7/8 ins. diam.,
attached to the top, projecting 3 ins. above the ground, from
which bearing trees mkd. Woodford:

A fir, 17 ins. diam., bears N. 70° E., 18 lks. dist., mkd.
with a healed blaze.

A fir, 22 ins. diam., bears N. 15° W., 30 lks. dist., mkd.
with a healed blaze.

The Woodford monument was not accepted as the crossing closing
cor. because of his use of improper procedures and an erroneous
original record distance tie; 7.530 chs. instead of 6.530 chs.,
from the 1/4 sec. cor. of secs. 19 and 20.

From the Woodford monument, the corner of fences extending E., W.,
and N., bears S. 22° 00' 00" W., 0.140 chs. dist.

**Subdivision of Section 20,
T. 29 S., R. 3 W., Willamette Meridian, Oregon**

From the 1/4 sec. cor. of secs. 20 and 29, monumented with an iron
post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the
ground, with brass cap mkd.

T29S R3W
 S 20
1/4 ----
 S 29
 1980

from which bearing trees mkd. by Jelley and Rogers

A fir, 12 ins. diam., bears S. 24 1/2° E., 63 lks. dist.,
with a healed blaze.

A cedar, 11 ins. diam., bears N. 12 1/2° W., 65 lks. dist.,
with a healed blaze.

Subdivision of Section 20,
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	N. 0° 04' 00" W., on the N. and S. centerline of sec. 20.
	Ascend over S. slope through heavy timber and dense undergrowth.
3.00	Ridge, bears N. 60° E. and S. 60° W.; desc. over a steep, broken N. slope.
39.50	Bottom of steep descent, bears NE. and SW.; desc. over gentle N. slope, through open pastureland.
40.265	Point for the center ¼ sec. cor. of sec. 20, at intersection with the E. and W. centerline.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, flush with the surface, with brass cap mkd.
	T29S R3W C 1/4 S 20 1991
	from which
	A fir, 10 ins. diam., bears S. 69 1/2° E., 173 lks. dist., mkd. C 1/4 S20 BT.
	A double cedar, 25 ins. diam., bears N. 79 1/2° W., 338 lks. dist., mkd. C 1/4 S20 BT.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
	Continue to descend through open pastureland.
44.40	South Myrtle Creek, 20 lks. wide, course W.; asc. over gentle SE. slope.
45.50	Asphalt road, 30 lks. wide, bears N. 60° E. and S. 60° W.
61.68	From this point, an iron pipe, 1 1/2 ins. diam., with a smashed top 3 ins. below the ground surface, bears East, 3.010 chs. distance. This monument matches the description of the SE. cor. of Chieftan Mine, established and recorded by Ben B. Irving, Deputy County Surveyor, in 1930, Survey File No. 37-24, Douglas County Records.
80.625	The 1/4 sec. cor. of secs. 17 and 20, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd.
	T29S R3W S 17 1/4----- S 20 1980
	from which a bearing tree mkd. by Ben B. Irving, Deputy County Surveyor, in 1920
	A yew, 15 ins. diam., bears S. 28 1/2° W., 52 lks. dist., with a healed blaze.

**Subdivision of Section 20,
T. 29 S., R. 3 W., Willamette Meridian, Oregon**

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and a bearing tree mkd. by James W. Byron, Deputy County Surveyor, in 1960

A cedar, 25 ins. diam., bears N. 61° E., 42 lks. dist., with a healed blaze.

and a bearing tree mkd. by Jelley and Rogers

A cedar, 22 ins. diam., bears S. 9° E., 50 1/2 lks. dist., with a healed blaze.

From this point, the NE. cor. of the Chieftan Mine, established by Ben B. Irving, Deputy County Surveyor, in 1930, recorded in Douglas County Survey File No. 37-24, bears N. 88° 24' 00" E., 2.540 chs. dist., monumented with a solid steel rod, 1 1/4 ins. diam., firmly set, projecting 2 ins. above the ground, from which the remains of bearing trees mkd. by Irving:

A rotted fir stump, 30 ins. diam., bears N. 48° E., 31 lks. dist., with rotted blaze.

A cedar, 32 ins. diam., bears S. 12° W., 23 lks. dist., with scribe marks NE COR visible on partially healed blaze.

From the 1/4 sec. cor. of secs. 20 and 21, monumented with an iron post, 1 1/4 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T 29 S
1/4
S 20 | S 21
R 3 W
1962

from which the remains of the original bearing trees

A roothole, bears S. 3° E., 56 lks. dist., with a downed fir alongside, 35 ins. diam., with axe marks visible on the underside.

A maple clump, 30 ins. diam., bears S. 60° W., 92 lks. dist.

and the remains of a bearing tree mkd. by Arthur R. Evans, Deputy County Surveyor, in 1952

A fir stump, 35 ins. diam., bears S. 70° W., 118 lks. dist., mkd. /4 S20 RE 2741 BT on the bark.

and a bearing tree mkd. by James W. Byron, Deputy County Surveyor, in 1962

A fir, 23 ins. diam., bears N. 83° E., 33 lks. dist., with a healed blaze.

and a new bearing tree

A fir, 5 ins. diam., bears S. 65° W., 8 lks. dist., mkd. 1/4 S20 BT.

Subdivision of Section 20,
T. 29 S., R. 3 W., Willamette Meridian, Oregon

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	<p>The corner is on a N. slope, 30 lks. S. of an abandoned dirt road, 20 lks. wide, bearing E. and W.</p> <p>N. 89° 59' 30" W., on the E. and W. centerline of sec. 20.</p> <p>Cross broken N. slope through scattering timber and light undergrowth.</p>
40.710	<p>The center 1/4 sec. cor. of sec. 20.</p> <p>Enter open pastureland.</p>
45.30	<p>South Myrtle Creek, 30 lks. wide, course S. 55° W.; asc. over gentle SE. slope.</p>
48.50	<p>Asphalt road, 30 lks. wide, bears N. 50° E. and S. 50° W.</p>
60.825	<p>Point for the center W 1/16 sec. cor. of sec. 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, flush with the surface, with brass cap mkd.</p> <p style="text-align: center;">W 1/16 C ----- C S 20 1991</p> <p>from which</p> <p style="padding-left: 40px;">An ash, 11 ins. diam., bears N. 49 1/2° E., 370 lks. dist., mkd. CW 1/16 S20 BT.</p> <p style="padding-left: 40px;">A willow, 47 ins. diam., bears S. 1 1/2° W., 535 lks. dist., mkd. CW 1/16 S20 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Ascend broken SE. slope.</p>
80.940	<p>The 1/4 sec. cor. of secs. 19 and 20, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T29S R3W 1/4 S 19 * S 20 1980</p> <p>from which a bearing tree mkd. by Ben B. Irving, Deputy County Surveyor, in 1931</p> <p style="padding-left: 40px;">An oak, 10 ins. diam., bears N. 3° E., 233 lks. dist., with a healed blaze.</p> <p>and a bearing tree mkd. by Jelley and Rogers</p> <p style="padding-left: 40px;">A cedar, 28 ins. diam., bears N. 36 1/2° W., 64 lks. dist., mkd. with a healed blaze.</p>

Subdivision of Section 20,
T. 29 S., R. 3 W., Willamette Meridian, Oregon

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	<p>The corner is on an open SE. slope.</p> <hr/> <p>From the center W 1/16 sec. cor. of sec. 20.</p> <p>N. 0° 09' 30" W., on the N. and S. centerline of the NW 1/4 of sec. 20.</p> <p>Ascend over broken SE. slope, through open pastureland.</p>
6.20	Wire fence, bears N. 60° E. and S. 60° W.
6.450	<p>Point for a crossing closing cor. at the intersection with the N. bdy. of Donation Land Claim No. 37.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>CCC W S 20 DLC 37 W 1991</p> </div> <p>from which</p> <p style="padding-left: 40px;">A madrone, 10 ins. diam., bears N. 9° E., 30 lks. dist., mkd. S20 CCC BT.</p> <p style="padding-left: 40px;">A cedar, 17 ins. diam., bears N. 78° W., 50 lks. dist., mkd. S20 CCC BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, the NE. cor. of Donation Land Claim No. 37, bears S. 89° 55' 00" E., 8.920 chs. dist., hereinbefore described.</p> <p>Cross broken E. slope.</p>
6.65	Old fence line, bears irregularly E. and W.; enter heavy timber and dense undergrowth.
13.60	Creek, 2 lks. wide, course S. 20° E.; asc. over SW. slope.
21.08	<p>From this point, an iron pipe, 1 1/4 ins. diam., firmly set, projecting 16 ins. above the ground, bears East, 0.460 chs. dist., from which:</p> <p style="padding-left: 40px;">A roothole, bears S. 71° E., 98 lks. dist., with cedar debris scattered in the area.</p> <p style="padding-left: 40px;">A fir root crown, size indeterminate, bears N. 29 1/2° W., 121 lks. dist., no visible marks.</p> <p>This monument and accessories matches the description of the SW. cor. of Chieftan Mine, established and recorded by Ben B. Irving, Deputy County Surveyor, in 1930, Survey File No. 37-24, Douglas County Records.</p>

Subdivision of Section 20,
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40.050	<p>Continue over broken SW. slope.</p> <p>The W 1/16 sec. cor. of secs. 17 and 20, identical with the NW. cor. of the Chieftan Mine, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">S 17 W 1/16 ----- S 20 1980</p> <p>from which a bearing tree mkd. Ben B. Irving, Deputy County Surveyor, in 1930</p> <p style="padding-left: 40px;">A fir, 22 ins. diam., bears N. 64° W., 27 1/2 lks. dist., with a healed blaze.</p> <p>and a bearing tree mkd. by Jelley and Rogers</p> <p style="padding-left: 40px;">A cedar, 19 ins. diam., bears S. 28° E., 32 lks. dist., with a healed blaze.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The lands included in the foregoing survey are located in Douglas County approximately 10 miles east of the town of Myrtle Creek, Oregon.</p> <p>The terrain is mountainous, the elevations range from 1,000 feet to 1,600 feet above sea level.</p> <p>The drainage is westerly by numerous small creeks flowing into South Myrtle Creek.</p> <p>The soil is clay loam. The lands are forested with fir, cedar, hemlock, pine, yew, alder, cherry, maple, oak, madrone, willow, ash, and chiquapin with undergrowth of ferns, poison oak, arrowwood, hazel, Oregon grape, salal, huckleberry, blackberry, thimbleberry, salmonberry, gooseberry, currant, wild rose, rhododendron, manzanita, and young timber.</p> <p>Access is by County Road No. 18.</p> <p>No mineral deposits were noted along the lines surveyed, however, the Chieftan gold mine and several unpatented claims are located in section 20. The principle industries are timber production and ranching.</p> <p>The mean magnetic declination is 20° East, with a range of 1° due to local attraction.</p> <hr/>