

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY
AND
SUBDIVISION OF SECTION 13,
TOWNSHIP 3 NORTH, RANGE 35 EAST,
OF THE
WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON

EXECUTED BY

Harold W. Heimark, Cadastral Surveyor

Under Special Instructions dated July 24, 1986,
approved July 25, 1986,
which provided for the surveys included under Group No. 1340,
and Assignment Instructions dated July 25, 1986.

Survey commenced August 4, 1986

Survey completed September 3, 1986

INDEX DIAGRAM

Township 3 North, Range 35 East,

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

T. 3 N., R. 35 E., Willamette Meridian, Oregon

CHAINS

The following field notes are those of the dependent resurvey of a portion of the east boundary, and subdivision of section 13, township 3 north, range 35 east, Willamette Meridian, Oregon.

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

The east boundary of the township and a portion of the subdivisional lines were surveyed by William H. Odell, U.S. Deputy Surveyor, in 1866.

A portion of the east boundary of the township and subdivisional lines was resurveyed by Zenas F. Moody, U.S. Deputy Surveyor, in 1871.

A portion of the east boundary of the township and subdivisional lines was resurveyed by James P. Currin and James E. Noland, U.S. Deputy Surveyors, in 1887.

Section 13 was subdivided by James P. Currin, U.S. Deputy Surveyor, in 1889.

Certain section lines were retraced, corners remonumented or reestablished, sections subdivided and corners established by Indian Allotting Agents in 1919-20. Records of these surveys are held at the Umatilla Agency Headquarters.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated July 24, 1986, under Group Number 1340, Oregon.

The directions of the lines were determined by deflections from azimuths obtained by direct solar observations, and refer to the true meridian.

Preliminary to the resurvey, the lines of the original survey were retraced and 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 positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein. All lines not forming a closure were measured twice.

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Detectable Electronically Energized Particles (DEEP-1) were used as memorials to corner monuments set during this resurvey. The "DEEP-1" is composed of strontium encased in a color coded plastic container. The units are 1 inch diameter, $2\frac{1}{2}$ inches long, weigh $2\frac{1}{2}$ ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position (NAD 1927) of the $\frac{1}{4}$ section corner of sections 13 and 18, on the east boundary of the township, as determined from a tie to United States Coast and Geodetic Survey triangulation station "EAGLE," is as follows:

Latitude $45^{\circ} 44' 21.54''$ N. Longitude $118^{\circ} 22' 21.49''$ W.

The mean magnetic declination is 20° E.

Dependent Resurvey of a Portion of the East Boundary,
T. 3 N., R. 35 E., Willamette Meridian, Oregon

(Restoring the survey by William H. Odell, in 1866, and the resurvey by James P. Currin and James E. Noland, in 1887)

Beginning at the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, restored during the Indian Allotment Surveys in 1919. There is no remaining original evidence of the corner; therefore, this position is accepted as the corner, monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above ground, with brass cap mkd. INDIAN ALLOTMENT T3N R35E $\frac{1}{4}$ S13 S18 1919 and a cross (+) in the center, from which a bearing tree not of record:

A ponderosa pine, 38 ins. diam., bears S. 45° W., 30 lks. dist., with scribe marks $\frac{1}{4}$ S BT visible on open blaze.

At the corner point

Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T 3 N
 $\frac{1}{4}$
R 35 E | R 36 E
S 13 | S 18
1986

from which a new bearing tree

Dependent Resurvey of a Portion of the East Boundary,
T. 3 N., R. 35 E., Willamette Meridian, Oregon

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	<p>A ponderosa pine, 7 ins. diam., bears N. $40\frac{1}{2}^{\circ}$ E., 46$\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S18 BT.</p> <p>Deposit white "DEEP-1" magnetic marker at base, reset iron post, and set steel fence post alongside stainless steel post.</p> <p>From this point, United States Coast and Geodetic Survey triangulation station "EAGLE," bears S. $74^{\circ} 21'$ W., 148.40 chs. dist., monumented with a standard brass tablet, 3 ins. diam., firmly set in concrete flush with the surface of the ground, with top mkd. EAGLE 1963 and a triangle.</p> <p>N. $0^{\circ} 35'$ E., bet. secs. 13 and 18.</p> <p>Descend over NE. slope, through scattering timber and dense undergrowth.</p>
12.60	Gravelled road, 25 lks. wide, bears N. 20° W. and S. 20° E.
19.30	Slope change, descend over steep rock N. slope.
19.665	Point for the N 1/16 sec. cor. of secs. 13 and 18.
	<p>Seat a brass tablet, 3$\frac{1}{4}$ ins. diam., 3$\frac{1}{2}$ ins. stem, in a drill hole, in rock face, with top mkd.</p> <p style="text-align: center;">N 1/16 S 13 S 18 1986</p>
19.85	Foot of descent, edge bears N. 40° W. and S. 40° E.
20.10	Abandoned dirt road, 20 lks. wide, bears N. 40° W. and S. 40° E.
20.45	Barbed wire fence, bears N. 40° W. and S. 40° E.
22.125	<p>Point for the meander cor. of secs. 13 and 18, at proportionate distance; there is no remaining evidence of the original corner. Located in dry bed of Wildhorse Creek, 20 lks. wide, drains N. 70° W. No permanent monument established.</p> <p>Ascend over open, rocky SW. slope.</p>
35.70	Top of ascent, slopes W.; desc. over NW. slope.
39.33	The cor. of secs. 7, 12, 13, and 18, monumented with a basalt stone, 17 x 10 x 5 ins. (record, 14 x 12 x 10 ins.), firmly set, 10 ins. in the ground, mkd. with a cross (+) on top, from which the remains of the original bearing trees:

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A sawed pine stump, 24 ins. diam., bears N. $45\frac{1}{2}^{\circ}$ E.,
42 lks. dist., with scribe marks BT visible on
open blaze. (Record, N. 40° E.)

A burned and decayed pine stump, size indeterminate,
bears S. $45\frac{1}{2}^{\circ}$ W., 28 lks. dist., no marks visible.
(Record, S. 55° W.)

A ponderosa pine, 33 ins. diam., bears N. 70° W., 68
lks. dist., with scribe marks R35 S12 BT visible
on open blaze.

At the corner point

Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins.
in the ground, with brass cap mkd.

T 3 N
R 35 E R 36 E
S 12 S 7
S 13 S 18
1986

from which new bearing trees

A fir, 15 ins. diam., bears N. $77\frac{1}{2}^{\circ}$ E., 21 lks.
dist., mkd. T3N R36E S7 BT.

A fir, 16 ins. diam., bears S. $21\frac{1}{2}^{\circ}$ E., $71\frac{1}{2}$ lks.
dist., mkd. T3N R36E S18 BT.

A ponderosa pine, 18 ins. diam., bears S. 59° W.,
48 lks. dist., mkd. T3N R35E S13 BT.

Deposit white "DEEP-1" magnetic marker at base and
deposit corner stone alongside stainless steel post.

Subdivision of Section 13,
T. 3 N., R. 35 E., Willamette Meridian, Oregon

From the N 1/16 sec. cor. of secs. 13 and 18, on the E. bdy. of
the Tp.

N. $89^{\circ} 43'$ W., on the E. and W. center line of the NE $\frac{1}{4}$ of sec. 13.

Ascend over steep broken NE. slope, through scattering timber and
dense undergrowth.

Subdivision of Section 13,
T. 3 N., R. 35 E., Willamette Meridian, Oregon

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

N 1/16
S 14|S 13
1986

from which

A fir, 21 ins. diam., bears S. 73° E., 38½ lks. dist., mkd. N 1/16 S13 BT.

A pine, 20 ins. diam., bears S. 70° W., 13 lks. dist., mkd. N 1/16 S14 BT.

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

GENERAL DESCRIPTION

Section 13, township 3 north, range 35 east, is located in the Umatilla Indian Reservation, Umatilla County, about 5 miles southeasterly from the town of Athena, Oregon. The terrain is mountainous and is used for growing timber and for grazing purposes. The section is drained by Wildhorse Creek, part of the year dry, which flows from the east to the west through the north end of the section. Elevations range from about 2500 feet above sea level to 3000 feet above sea level. The timber is moderate to sparse along the lines of the survey, with dense undergrowth.

There are wheat fields on top of the hills, timber consists of pine and fir on the north slopes, and open rocky grass lands on the south slopes. No mineral deposits were noted.

The mean magnetic declination for the area surveyed is 20° E., as shown on the Thorn Hollow, Oregon, quadrangle map, dated 1964.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Edward E. Bell	Surveying Technician
Leslie C. Phillips	Surveying Technician

CERTIFICATE OF SURVEY

I, Harold W. Heimark, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 24th day of July, 1986, I have dependently resurveyed a portion of the east boundary and subdivided section 13, township 3 north range 35 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; and that 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.

02-14-89

(Date)

Harold W. Heimark

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management
Portland, Oregon

The foregoing field notes of the dependent resurvey of a portion of the east boundary and subdivision of section 13, township 3 north, range 35 east, of the Willamette Meridian, Oregon, executed by Harold W. Heimark, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

February 24, 1989

(Date)

Wayne M. Lawrence

(Chief Cadastral Surveyor of Oregon)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 3 N., R. 35 E., Willamette Meridian, Oregon, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Oregon)~~