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FIELD NOTES
OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY

(FIRST STANDARD PARALLEL SOUTH),

TOWNSHIP 5 SOUTH, RANGE 31 EAST; AND

DEPENDENT RESURVEY OF THE EAST AND WEST BOUNDARIES;

A PORTION OF THE SOUTH BOUNDARY AND SUBDIVISIONAL LINES;

SUBDIVISION OF CERTAIN SECTIONS;

AND

REMONUMENTATION OF CERTAIN ORIGINAL CORNER POINTS,

TOWNSHIP 6 SOUTH, RANGE 32 EAST,

Of the WILLAMETTE Meridian,

In the State of OREGON

EXECUTED BY

James E. Jelley, Cadastral Surveyor

Harvey E. Wofford, Cadastral Surveyor

Craig L. Wanless, Cadastral Surveyor

William D. Kimmel, Cadastral Surveyor

Rick E. Tawney, Cadastral Surveyor

Under special instructions dated May 3, 19 57, approved May 6, 1957,

special instructions dated June 16, 1967, approved August 24, 1967, and

supplemental special instructions dated July 25, 1978, approved July 31, 1978,

_____ , which provided for the surveys included under U.S. Survey/Group

Numbers 350 and 643 , and assignment instructions dated August 21 , 1967 ;

June 2, 1975; July 31, 1978; May 30, 1979; and September 18, 1979;

and March 26, 1980

Survey commenced August 24 , 1967

Survey completed September 26 , 1980

FIELD NOTES
OF THE

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DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY

(FIRST STANDARD PARALLEL SOUTH)

TOWNSHIP 5 SOUTH, RANGE 31 EAST; AND

DEPENDENT RESURVEY OF THE EAST AND WEST BOUNDARIES;

A PORTION OF THE SOUTH BOUNDARY AND SUBDIVISIONAL LINES;

INDEX DIAGRAM

Township 6 South, Range 32 East

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T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS

The following field notes are those of the dependent resurvey of a portion of the south boundary (First Standard Parallel South), township 5 south, range 31 east, the dependent resurvey of the east and west boundaries, a portion of the south boundary and subdivisional lines, the subdivision of certain sections, and the remonumentation of certain original corner points, township 6 south, range 32 east, Willamette Meridian, Oregon.

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

The south boundary (First Standard Parallel South), township 5 south, range 31 east, was surveyed by George S. Pershin, in 1880.

The corner of townships 6 and 7 south, ranges 31 and 32 east was established by Henry Meldrum, in 1881.

The south and west boundaries of township 6 south, range 32 east were surveyed by Rufus S. Moore, in 1881.

The east boundary and subdivisional lines of township 6 south, range 32 east were surveyed by Frank W. Campbell, in 1883.

The area covered by this resurvey was dependently resurveyed by Jerome C. Ives, Cadastral Surveyor, in 1967-68, utilizing photogrammetric methods. Prior to submission of the final field returns to the Director for final review and acceptance, a field investigation disclosed sufficient variances from acceptable Manual standards to warrant retracements and corrections. This dependent resurvey and survey by conventional methods is to resolve and correct the discrepancies. Due to the length of time in executing the survey, the field notes indicate the year new accessories were marked at each corner.

The survey was executed in accordance with the specifications set forth in the Manuals of Surveying Instructions, 1947 and 1973, Special Instructions dated May 3, 1957, Special Instructions dated June 16, 1967, and Supplemental Special Instructions dated July 25, 1978, under Group Numbers 350 and 643, Oregon.

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. Only those lines bounding or crossing public lands were blazed. Those lines not forming a closure were measured twice.

The directions of the lines were determined by deflections from azimuths obtained by direct solar observations.

The geographic position of the corner of townships 6 and 7 south, ranges 32 and 33 east, as scaled from the Dale, Oregon, quadrangle map, published by the United States Geological Survey, in 1951, is as follows:

Latitude $44^{\circ} 59.9' N.$ Longitude $118^{\circ} 47.8' W.$

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T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS

The mean magnetic declination is $20^{\circ} 15'$ E.

Dependent Resurvey of a Portion of the South Boundary
(First Standard Parallel South)

T. 5 S., R. 31 E., Willamette Meridian, Oregon

(Restoring the survey by George S. Pershin,
U. S. Deputy Surveyor, in 1880)

Beginning at the standard cor. of Tps. 5 S., Rs. 31 and 32 E., described in the field notes of the dependent resurvey of a portion of the S. bdy. of T. 5 S., R. 32 E., executed concurrently under this same group.

N. $89^{\circ} 46'$ W., on the S. bdy. of sec. 36, marking the true line.

Descend 65 ft. over broken NW. slope, through open range land.

25.00 Ravine, drains NW.; asc. 30 ft. over NE. slope.

30.20 Top of ascent, slopes N.; desc. 5 ft. over NW. slope.

34.80 Point for the $\frac{1}{4}$ sec. cor. of sec. 6 only, T. 6 S., R. 32 E., at proportionate distance.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

$\frac{1}{4}$ S 6
T 6 S R 32 E
1968

Raise a mound of stone, 3 ft. base, 2 ft. high.
S. of corner.

Descend 5 ft. over NW. slope.

40.30 The standard $\frac{1}{4}$ sec. cor. of sec. 36, determined at the center of a rock crib, 4 ft. base, 3 ft. high, in wire fence, extending generally E. and W. This point is accepted as the best available evidence of the position of the original corner.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ 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.

S C
T 5 S R 31 E
 $\frac{1}{4}$ S 36
1968

from which

An iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., set 8 ins. in the ground, to solid rock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, for a reference monument, bears N. 46° E., $22\frac{1}{2}$ lks. dist., with brass cap mkd. $\frac{1}{4}$ S36 SC RM 1968 and an arrow pointing to the corner.

Dependent Resurvey of the East Boundary,
T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS	
	<p style="text-align: center;">T 6 S R 32 E R 33 E S 1 S 6 S 12 S 7 1968</p> <p>from which new bearing trees</p> <p>A pine, 15 ins. diam., bears N. 61° E., 82 lks. dist., mkd. T6S R33E S6 BT. (1968)</p> <p>A pine, 11 ins. diam., bears S. 64° W., 40 lks. dist., mkd. T6S R32E S12 BT. (1968)</p> <p>Deposit corner stone alongside iron post.</p> <p>Land, rolling hills. Soil, sandy loam. Timber, pine, fir, larch, and spruce; undergrowth, young timber and arrowwood.</p>
	<p>N. 0° 16' E., bet. secs. 1 and 6.</p> <p>Descend 420 ft. over N. slope, through heavy timber and light undergrowth.</p>
37.00	Dry creek bed, 2 lks. wide, drains E.; asc. 40 ft. over S. slope.
39.95	<p>The $\frac{1}{4}$ sec. cor. of secs. 1 and 6, monumented with the original basalt stone, 16 x 15 x 8 ins., mkd. $\frac{1}{4}$ on N. face, from which the remains of the original bearing trees:</p> <p>A pine, 25 ins. diam., bears N. 12° E., 9 lks. dist., with healed blaze. (Record, 5 lks.)</p> <p>A pine stump, 18 ins. diam., bears S. 37° W., 42 lks. dist., with scribe marks $\frac{1}{4}$ S BT visible on open and weathered blaze. (Record, S. 44° W.)</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 20 ins. in the ground, to solid rock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T 6 S R 32 E R 33 E $\frac{1}{4}$ S 1 S 6 1968</p> <p>from which a new bearing tree</p> <p>A pine, 11 ins. diam., bears S. 31° W., 89 lks. dist., mkd. $\frac{1}{4}$ S1 BT. (1968)</p>
	<p>N. 0° 14' W., beginning new measurement.</p> <p>Ascend 20 ft. over S. slope.</p>
6.00	Spur, slopes E.; desc. 340 ft. over N. slope.
26.70	Creek, 2 lks. wide, course NW.; asc. slightly along W. slope.

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Dependent Resurvey of the East Boundary,
T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS
33.87

Intersect the S. bdy. of sec. 36, T. 5 S., R. 32 E. (First Standard Parallel South).

True point for the closing cor. of Tps. 6 S., Rs. 32 and 33 E., occupied by a fir, 8 ins. diam., mkd. R33E S6 on E., CC T6S on S., and R32E S1 on W. faces. (1980)

from which

A fir, 6 ins. diam., bears S. 43° E., 29 lks. dist., mkd. T6S R33E S6 CC BT. (1968)

A fir, 6 ins. diam., bears S. 69° W., 29 lks. dist., mkd. T6S R32E S1 CC BT. (1968)

An iron post, 28 ins. long, 2½ ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 45° W., 10 lks. dist., with brass cap mkd. T6S R32E S1 CC RM 1980 and an arrow pointing to the corner.

From this point, the original closing cor. of Tps. 6 S., Rs. 32 and 33 E., bears N. 0° 14' W., 0.03 chs. dist., determined from the remains of the original bearing trees:

A pine stump, 30 ins. diam., bears S. 22° E., 60 lks. dist., with scribe marks T6S R33E S6 visible on burned blaze.

A pine, 12 ins. diam., bears S. 63° W., 9 lks. dist., with scribe marks R32E S1 CC BT visible on open blaze.

From this same point, the standard cor. of secs. 35 and 36, T. 5 S., R. 32 E., bears S. 89° 40' W., 4.93 chs. dist., described in the field notes of the dependent resurvey of a portion of the S. bdy. of T. 5 S., R. 32 E., executed concurrently under this same Group.

Land, rolling hills.

Soil, sandy loam.

Timber, pine, fir, larch, and spruce; undergrowth, young timber and arrowwood.

Dependent Resurvey of the West Boundary,
T. 6 S., R. 32 E., Willamette Meridian, Oregon

(Restoring the survey by Henry Meldrum,
U. S. Deputy Surveyor, in 1881,
and the survey by Rufus S. Moore,
U. S. Deputy Surveyor, in 1881)

From the cor. of Tps. 6 and 7 S., Rs. 31 and 32 E., determined at record bearing and distance from the remaining original bearing trees:

A fir, 14 ins. diam., bears N. 44° E., 22 lks. dist., with healed blaze.

A pine, 24 ins. diam., bears S. 60° E., 9 lks. dist., with healed blaze.

A pine, 15 ins. diam., bears S. 13° W., 13 lks. dist., with healed blaze.

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Remonumentation of Certain Original Corner Points,
T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS

A sawed pine stump, 30 ins. diam., bears N. 79° W., 50 lks. dist., with scribe marks $\frac{1}{4}$ S BT visible on open blaze. (Record, N. 77° W., 48 lks.)

At the corner point

Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$
S 5 | S 4
T 6 S R 32 E
1967

from which new bearing trees

A fir, 23 ins. diam., bears S. 58° E., 47½ lks. dist., mkd. $\frac{1}{4}$ S4 BT. (1967)

A pine, 25 ins. diam., bears S. 60° W., 156 lks. dist., mkd. $\frac{1}{4}$ S5 BT. (1967)

Deposit corner stone alongside iron post.

The $\frac{1}{4}$ sec. cor. of secs. 5 and 8, determined at record bearing and distance from the only remaining original bearing tree:

A pine, 33 ins. diam., bears S. 10° W., 9 lks. dist., with scribe marks $\frac{1}{4}$ S visible on partially opened blaze.

At the corner point

Set an iron post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, to solid rock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

$\frac{1}{4}$ $\frac{S 5}{S 8}$
T 6 S R 32 E
1967

from which new bearing trees

A pine, 14 ins. diam., bears N. 63° E., 46 lks. dist., mkd. $\frac{1}{4}$ S5 BT. (1967)

A pine, 10 ins. diam., bears S. 43° W., 62½ lks. dist., mkd. $\frac{1}{4}$ S8 BT. (1967)

GENERAL DESCRIPTION

Township 6 south, range 32 east, is located in Umatilla County, about 4 miles southeast of the small town of Ukiah, Oregon. The land is broken and mountainous, with elevations ranging from about 2800 feet above sea level where the line between sections 31 and 36, on the west boundary of the township crosses the North Fork John Day River, to about 5200 feet above sea level on the line between sections 7 and 12, on the east boundary of the township. The township is well drained by many creeks that are tributaries of the North Fork John Day River, which flows westerly through the southern part of the township.

T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS

The soil consists generally of rocky clay, with small areas of clay loam near the streams. Timber in the area consists of pine, fir, larch, juniper, spruce, and alder, with undergrowth of young timber, arrowwood, hazel, sagebrush, and native grasses.

Access is gained to all parts of the township by way of numerous gravelled and dirt roads.

There was no evidence of mineral deposits noted along the lines surveyed.

An average of a considerable number of readings taken throughout the area gives a value of $20^{\circ} 15'$ E. for the mean magnetic declination. There is a range of $1^{\circ} 30'$ due to local attraction.

T. 6 S., R. 32 E., Willamette Meridian, Oregon

CHAINS

The soil consists generally of rocky clay, with small areas of clay loam near the streams. Timber in the area consists of pine, fir, larch, juniper, spruce, and alder, with undergrowth of young timber, arrowwood, hazel, sagebrush, and native grasses.

Access is gained to all parts of the township by way of numerous gravelled and dirt roads.

There was no evidence of mineral deposits noted along the lines surveyed.

An average of a considerable number of readings taken throughout the area gives a value of 20° 15' E. for the mean magnetic declination. There is a range of 1° 30' due to local attraction.

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CERTIFICATE OF SURVEY

(X) (We), James E. Jelley, Harvey E. Wofford, and Craig L. Wanless , HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 3rd day

of May 19 57, (XXXXXX) special instructions bearing date of the 16th day of June, 1967, and supplemental special instructions bearing date of the 25th day of July 1978, we have dependently resurveyed a portion of the south boundary (First Standard Parallel South), township 5 south, range 31 east, dependently resurveyed the east and west boundaries, a portion of the south boundary and subdivisional lines, subdivided certain sections, and remonumented certain original corner points, township 6 south, range 32 east,

of the Willamette Meridian, in the State of Oregon , which are represented in the foregoing field notes as having been executed by (us) and under (our) 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.

August 9, 1982 (Date) James E. Jelley (Cadastral Surveyor)
August 12, 1982 (Date) Harvey E. Wofford (Cadastral Surveyor)
October 6, 1982 (Date) Craig L. Wanless (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Portland, Oregon

The foregoing field notes of the dependent resurvey of a portion of the south boundary (First Standard Parallel South), township 5 south, range 31 east, dependent resurvey of the east and west boundaries, a portion of the south boundary and subdivisional lines, subdivision of certain sections, and remonumentation of certain original corner points, township 6 south, range 32 east, Willamette Meridian, Oregon, executed by James E. Jelley, Harvey E. Wofford, and Craig L. Wanless, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

June 30, 1983 (Date) William W. Glenn (Chief Cadastral Surveyor of Oregon)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in , is a true copy of the original field notes.

(Date) (Chief, Cadastral Survey Examination and Approval Staff)

Form 9600-11
(August 1979)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert B. Fink	Surveying Technician
Louis A. Kautz	Surveying Technician
Max E. Farron	Surveying Technician
Martin L. Epperly	Surveying Technician
Jay L. Mehr	Surveying Aid
Roger M. Willis	Surveying Aid
Shane C. Sills	Surveying Aid
Michael R. Druckrey	Surveying Aid
James R. Von Grabow	Surveying Aid
Robert L. Nelson	Surveying Aid

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 is a true copy of the original field notes.

_____ (Date)

 (Chief Cadastral Surveyor of Oregon)

CERTIFICATE OF APPROVAL

_____ (Date)

 (Cadastral Surveyor)

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CERTIFICATE OF SURVEY

(We), William D. Kimmel and Rick E. Tawney, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 3rd day of May, 1957, special instructions bearing date of the 16th day of June, 1967, and supplemental special instructions bearing date of the 25th day of July, 1978, we have dependently resurveyed a portion of the south boundary (First Standard Parallel South), township 5 south, range 31 east, dependently resurveyed the east and west boundaries, a portion of the south boundary and subdivisional lines, subdivided certain sections, and remonumented certain original corner points, township 6 south, range 32 east,

of the Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been executed by (us) and under (our) 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.

October 7, 1982 (Date) William D. Kimmel (Cadastral Surveyor)

October 4, 1982 (Date) Rick E. Tawney (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Portland, Oregon

The foregoing field notes of the dependent resurvey of a portion of the south boundary (First Standard Parallel South), township 5 south, range 31 east, dependent resurvey of the east and west boundaries, a portion of the south boundary and subdivisional lines, subdivision of certain sections, and remonumentation of certain original corner points, township 6 south, range 32 east, Willamette Meridian, Oregon, executed by William D. Kimmel and Rick E. Tawney, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

June 30, 1983 (Date) William W. Glenn (Chief Cadastral Surveyor of Oregon)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in, is a true copy of the original field notes.

(Date) (Chief, Cadastral Survey Examination and Approval Staff)