



DEPARTMENT OF THE INTERIOR  
UNITED STATES RECLAMATION SERVICE

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F I E L D N O T E S  
of  
Subdivision of Section 28  
and  
Survey of Irregular shaped tracts in  
said section  
in  
T. 5 N., R. 28 E., W.M. Oregon  
Umatilla Project

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Executed by E. T. Eriksen, Assistant Engineer, U.S.R.S.  
Under Authority Departmental Instructions  
of October 24, 1906.

Survey commenced February 25, 1916.  
Survey completed February 29, 1916.  
Additional Monuments set Dec. 22, 1916.

ACCEPTED BY THE HON. COMMISSIONER G. L. O. *Feb. 15, 1917*

*See G.L.O. Letter 651680 "E" GCC  
dated Feb 17, 1917. (in File 4)*



## Subdivision of Section 28 T. 5 N., R. 28 E.W.M. Oregon

**Chains** Survey commenced February 25, 1916 and executed with C. L. Berger & Son transit No. 5184, the horizontal limb having two double verniers opposite each other and reading to 30" of arc.

The instrument was examined and found to be in good adjustment.

All section and (1/4) quarter section corners in the section were found in place except the East and the West (1/4) quarter section corners. These not being found after diligent search were established as follows:

The bearing of south line of section as given by the U. S. General Land Office plat, - N 89° 56' E from SW cor of section, - was accepted as correct and all lines of this survey are projected therefrom.

From the SW cor. of section, now marked by a post 4 ins. x 4 ins. projecting 1 foot above ground in place of and accepted as original corner, the section lines to east and north being also now marked by fences, and no witness marks or mound being now in evidence because of changes due to settlement and development, I run on random line N 0° 15' W 80.01 chains to NW cor. of section, an iron pipe 2 ins. in diameter projecting 2 ins. above ground in place of and to perpetuate original corner, being close to fence corner, no witnesses or mounds being now in evidence because of grading and development due to construction of irrigation canal, etc.

Retracing on true line S 0° 15' E from NW cor.

20 Set stake for 16/3 corner.

40 Establish W (1/4) quarter section corner and mark same with an iron pipe 1 in. in diameter, 24 ins. long, set 22 ins. in ground.



## Chains

- 60 Set stake for 16/4 corner.  
80.01 SW cor section heretofore described.

From the SE cor of Section, an iron pipe 2 ins. in diam. projecting 12 ins. above ground, in place of and accepted as original corner by settlers of developed region, no witnesses being now in evidence because of resulting changes, it being impracticable to run through on line to NE cor of section because of the rocky cliffs of Umatilla Butte rising, nearly vertical, in places, 50 to 100 feet on said line, I run N 08° 11' E and at 53.02 chs set stake.

I set up over stake from which SE cor of section bears S 08° 11' W 53.02 chs and run N 15° 39' W 28.34 chs to the NE cor of section, an iron pipe 2 ins. in diameter projecting 2 ins. above ground in place of and accepted as original corner in fenced and developed region, witnesses having been obliterated by road grading and traffic.

Retracing from NE cor of section S 15° 39' E. 28.34 ch. to stake from which I run S 08°-11' W and at 26.51 set stake.

- 53.02 SE cor section marked as heretofore described.

I then set up at stake from which the SE cor of section bears S 08° 11' W 26.51 chs, and run N 15° 39' W. 14.17 chs and established W (1/4) quarter corner of section and mark same with an iron pipe 1 in. in diameter, 24 ins. long set 22 ins. in ground.

Retracing S 15° 39' E.

- 14.17 Stake from which SE cor of section bears S 08° 11' W 26.51 chs.

The east line of section is therefore as follows:

Beginning at SE cor of section marked as heretofore described, thence N 0° 04' W.



Chains  
 59.88 W (1/4) quarter section corner marked as heretofore described.  
 79.76 NE cor of section marked as heretofore described.

All section and (1/4) quarter section corners in the section being now in place, I proceed to subdivide the section as follows:

It being impracticable to chain through on E & W center line of section because of the rocky cliffs of Umatilla Butte before mentioned, and not necessary, I establish said E & W center line in order to make intersection of same with N & S center line, by double centering between E and W (1/4) quarter section corners, flags on same being visible from high ground.

I then proceed to run N and S center line of section as follows:

From the S (1/4) quarter section corner, a lava rock 3 ins. x 6 ins. set in ground and projecting 4 ins. above, no witnesses being now in evidence because of changes, development and traffic, I sight to the N (1/4) quarter corner on which flag is visible and run on random line N 0° 09' W (in road).

19.97 Find post 4 ins. x 4 ins. projecting 10 ins. above ground for 16/16 cor.

39.94 Intersect E & W center line of section and set stake for 16/13 cor.

59.91 Set stake for 16/10 corner.

79.88 North (1/4) quarter corner sec. 28, now marked by an iron pipe 1 inch in diameter flush with surface of roadway, in place of and accepted as original corner in settled and developed region witness mounds being now obliterated by road grading and development due to settlement.

Retracing S 0° 09' E. on true line.



## Chains

- 19.97 Establish 16/10 corner and mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground.
- 39.94 Establish 16/13 corner and mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins in ground.
- 59.91 Establish 16/16 corner and mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground.
- 79.88 South (1/4) quarter section corner heretofore described.

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From the N (1/4) quarter section corner heretofore described I sight to the NW corner of section which is visible and run N 89° 59' W.

- 26.08 Intersect easterly right of way line of Oregon-Washington Railroad and Navigation Co. and mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground for witness corner to meander corner.
- 27.65 Intersect center line of track of O-W RR & N Co. and mark same with hub at meander corner.
- 29.22 Intersect westerly right of way line of O-W RR & Co. and mark same with iron pipe 1 in. in diameter, 24 ins. long set 24 ins. in ground for witness corner to meander corner.
- 40.27 NW corner Sec. 28 heretofore described.

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From the 16/10 corner of section marked as heretofore described, I run to the 16/3 corner which is visible S 89° 59' W.

- 22.64 Intersect easterly right of way line of O-W RR & N Co. and mark same with iron pipe 1 in. in diameter, 24 ins. long set 22 ins. in ground, for witness corner to meander corner.
- 24.16 Intersect center line of track of O-W RR & N Co. and mark same with hub at meander corner.
- 25.68 Intersect westerly right of way line of O-W RR & N Co. and mark same with an iron pipe 1 in. in diameter, 24 ins. long, set 22 ins. in ground for witness corner



## Chains

to meander corner.

40.24 16/3 corner of section heretofore described.

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From the 16/13 corner heretofore described, I run to the W (1/4) quarter corner of section, which is visible, S 89° 58' W.

20.72 Intersect easterly right of way line of O-W RR & N Co. and mark same with an iron pipe 1 in. in diameter 24 ins. long, set 22 ins. in ground for witness corner to meander corner.

22.26 Intersect center line of track of O-W RR & N Co. and mark same with hub at meander corner.

23.79 Intersect westerly right of way line of O-W RR & N Co. and mark same with an iron pipe 1 in. in diameter 24 ins. long, set 22 ins. in ground for witness corner to meander corner.

40.21 West (1/4) quarter section corner of section heretofore described.

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From the 16/16 corner heretofore described, I run to the 16/4 corner of section which is visible, S 89° 57' W.

14.82 Intersect easterly right of way line of O-W RR & N Co. and mark same with iron pipe 1 in. in diameter, 24 ins. long, set 22 ins. in ground for witness corner to meander corner.

16.45 Intersect center line of track of O-W RR & N Co. and set hub at meander corner.

18.08 Intersect westerly right of way line of O-W RR & N Co. and mark same with an iron pipe 1 in. in diameter, 24 ins. long, set 22 ins. in ground for witness corner to meander corner.

40.18 16/4 corner of section, heretofore described.

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From the S (1/4) quarter section corner heretofore described I run to the SW cor of section which is visible S 89° 56' W.



- Chains  
6.95 Intersect easterly line of right of way of O-W RR & N Co. and mark same with iron pipe 1 in. in diameter, 24 ins. long, set 22 ins. in ground for witness corner to meander corner.
- 8.58 Intersect center line of tracks of O-W RR & N Co. and set hub at meander corner.
- 10.20 Intersect westerly right of way line of O-W RR & N Co. and mark same with iron pipe, 1 in. in diameter, 24 ins. long, set 22 ins. in ground for witness corner to meander corner.
- 40.14 SW corner of section marked as heretofore described.

Traverse of O-W RR & N Co's center line

forming the boundary between Lots 1 and 2, 3 and 4, 5 and 6, 7 and 8.

From the meander corner marked with hub at intersection of north line of section and center line of track, from which witness corner on easterly right of way line bears S  $89^{\circ} 59'$  E 1.57 chs. and the witness corner on westerly right of way line bears N.  $89^{\circ} 59'$  W. 1.57 chs, also the  $N\frac{1}{4}$  cor of section bears, S  $89^{\circ} 59'$  E. 27.65 chs. and the NW cor. of section bears N  $89^{\circ} 59'$  W 12.62 chs, thence S  $14^{\circ} 20'$  E (on tangent).

- 4.05 Beginning of curve to right of radius 5698 feet (86.33) deflection or central angle being  $9^{\circ} 35'$ . Mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground.

Thence along said curve, measuring on 100 foot chords.

- 14.42 End of curve and point of tangent. Mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground.

Thence on tangent S  $4^{\circ} 45'$  E.

- 1.86 Intersect meander corner marked with hub at E & W center line of  $NW\frac{1}{4}$  of section, from which witness



corner on easterly right of way line bears N  $89^{\circ} 59'$  E 1.52 ch. and witness corner on westerly right of way line bears S  $89^{\circ} 59'$  W 1.52 ch.

- 14.64 Beginning of curve to left of radius 5730 feet (86.82 ch) deflection or central angle being  $16^{\circ} 41'$ . Mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground.

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Thence along said curve, measuring on 100 foot chords,

- 7.32 Intersect meander corner marked with hub at E & W center line of section from which witness corner on easterly right of way line bears N  $89^{\circ} 58'$  E, 1.54 ch. and witness corner on westerly right of way line bears S  $89^{\circ} 58'$  W, 1.53 ch, also the 16/13 cor bears N  $89^{\circ} 58'$  E 22.26 ch and the  $W\frac{1}{2}$  cor bears S  $89^{\circ} 58'$  W, 17.95 ch.
- 25.30 End of curve and point of tangent. Mark same with iron pipe 1 in. in diameter, 24 ins. long, set 24 ins. in ground.

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Thence on tangent S  $21^{\circ} 26'$  E.

- 2.92 Intersect meander corner marked with hub at E & W center line of  $SW\frac{1}{2}$  of section, from which witness corner on easterly right of way line bears N  $89^{\circ} 57'$  E, 1.63 ch. and witness corner on westerly right of way line bears S  $89^{\circ} 57'$  W 1.63 ch.
- 24.37 Intersect meander corner marked with hub on S. line of section from which witness cor. on easterly right of way line bears N  $89^{\circ} 56'$  E 1.63 ch. and witness corner on westerly right of way line bears S  $89^{\circ} 56'$  W, 1.62 chs. also the  $S\frac{1}{2}$  cor. bears N  $89^{\circ} 56'$  E, 8.58 chs. and the SW cor of section bears S  $89^{\circ} 56'$  W, 31.56 ch.
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## FINAL OATH

I, E.T. Eriksen, assistant Engineer, U. S. Reclamation Service, do certify on honor that, in pursuance of departmental instructions, bearing date of the 24th day of October, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished, the Manual of Surveying Instructions, and the laws of the United States surveyed all those parts or portions of section 28, township 5 North, range 28 East, Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further certify on honor that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

E. T. Eriksen

Assistant Engineer, USRS.



## A P P R O V A L

U. S. Reclamation Service

Washington, D. C., January 30, 1917.

The foregoing field notes of the subdivision of Sec. 28 T. 5 N., R. 28 E., W.M. Oregon, and the survey of lots therein, executed by E. T. Eriksen, Assistant Engineer, U. S. R. S., in accordance with departmental instructions of October 24, 1906, having been examined and found to conform with said instructions are hereby approved.

*A. P. Davis*

Director & Chief Engineer.

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DEPARTMENT OF THE INTERIOR.

GENERAL LAND OFFICE

Washington, D. C., February 15, 1917.

The foregoing field notes of the subdivision of Sec. 28 T. 5 N., R. 28 E., W.M. Oregon, and survey of lots therein having been examined and found to conform with the requirements of this office, the said field notes and the surveys they describe are hereby accepted.

*W. S. Sullivan*

Commissioner