

COUNTY SURVEYOR'S RECORD, DOUGLAS COUNTY, OREGON

DESBORO & CO. PORTLAND, ORE. 87545

<p>Survey No. <i>Made on</i> May 23rd to June 11 1923</p> <p>In Town. 30 S Range 5 W Sec. 22 and 23</p> <p>Made for Ermal Briggs</p> <p>Purpose of To determine the south line of the D.L.C. 52 and the area inside of Ermal Brigg's line fences.</p> <p style="text-align: center;">Made by Ben. B. Irving Surveyor L. H. Smick Chain Alec Dubell</p>	<p>Survey No. <i>Made on</i></p> <p>In Town. Range Sec.</p> <p>Made for</p> <p>Purpose of</p>
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Oscar Swafford

I began the survey from a Madronne tree said by H. A. Willis an old resident to be the bearing tree for the North East corner for the John Fullerton D.L.C. 52. From this point I ran a transit traverse around the donation land claim, using doubled deflection angles and solar bearings as follows:-

Set up on hub #13 back sight on hub 12
Time 4:20PM May 23 1923
Vert. Angle 33°44' Hor. Angle 184°41'

Formula:- $\cos Q = \tan L \tan A - (\sin D \sec L \sec A)$

Declination 20° 19' 56"
Latitude 42° 29'

Tan L	.93197	Sec. L	1.3669		
Tan A	.66715	sec A	1.2021	184°41'	
	.62176		1.64315	S 87°05' W	
	.57093	Sin D	.34746	97 36	
Cos. Q	.05083		.57093		Bearing 12 to 13
	Q -				S 82° 24' W

All evidence such as blazed trees, fences etc. were located and tied in. Bearing trees were found for;

- the N.W. corner D.L.C. # 53
- the S.E. " # 49
- the N.E. " # 52
- The S.W. " # 52

the corner to sections 14, 15, 22 and 23
All line fences of Ermal Briggs was tied in by proper ties and traverse.

From all this evidence it was possible to locate the corners and lines of the D.L.C. #52 and the true location of the section corner common to sections 14, 15, 22, and 23.

I then reset the the following corners:-

- the N.W. corner D.L.C. # 52
- " S.W. " "
- " N.E. " "
- " " " interior.
- " " " on N Bdry.
- " S.E. " #49
- " N.W. " # 53

Section Corner common to Sections 14, 15, 22, and 23.
These corners are all recorded in the book of corners in the County Surveyors office.

I then computed the area inside Ermal Brigg's fences as 173.06 acres by using the double meridian distance method.