

149 *File*

COUNTY SURVEYOR'S RECORD, DOUGLAS COUNTY, OREGON

BUSHONG & CO PORTLAND ORE 87545

Survey No	Survey No.
Made on	Made on
In Town	In Town.
Range	Range
Sec.	Sec.
Made for	Made for
Purpose of	Purpose of

282

No 2

I began this survey at the Corner to Sections 29-30-31--32 and renewed this corner from the Original bearing trees A Fir 20" in dia, standing, dead, and bearing the scribe marks N60° 48 lks An Oak 15" standing, nearly dead and bearing scribe marks N77° E 106 lks. A Fir 30" in dia Alive and showing scars 38° 175 lks, I set a Piten post #1"x3"x36" and also an Iron Pipe 1 1/2"x30" for the corner and marked A Fir 18" in dia S49°30"E 29 ft A Fir 30" N60°30' 753 ft

Thence I ran N57°45' W 1003 2 ft to the approximate S 7 Corner of the Geo Day DLC to 43 and after search could find no corner or bearing tree, Thence I ran N89°35'E (2882) Thence N89°22"E 390 9 ft Thence S89°51'E 668 1 ft Thence S89°12'E 255 0 ft Thence S 36°57' L 85 5 ft Thence East 1 5 ft to the South East Corner of the Geo Day DLC No 43 which I renewed from the Original Bearing tree and from the Line tree both North and West of the corner and called for in the Government notes

I set an Iron Pipe for the corner 1 1/2"x36" and marked A Fir 40" in dia S50°E 26 7 ft A Fir 48" in dia N43°30'E 69 9 ft

Thence I ran N0°46' W 198 4 ft, Thence N0°09'E 575 4 ft Thence N0°31' 432 ft Thence N0°27' 441 6 ft Thence East 4 8 ft to a 50' Oak called for as a line tree in the Government field notes I then ran S0°11'E 35 1 ft and set an Iron Pipe 1 1/2"x36" on line with an East and West fence which is the North boundary of Storries land and from which a Fir 18" in dia S 57° W 16 3 ft Marked C S and P

I computed the true course and distance between these corners as N0°01' 1612.3 ft and corrected the line and blazed all trees close to the line

I then returned to the Hub near the S 7 Corner of the Geo Day DLC and ran thence S 1°19' W 630 2 ft Thence S0°40' 435 6 ft Thence S8°42' 89 4 ft to the SE Corner of the Geo Day DLC No 44 which I renewed from the Original Bearing tree A Oak 14" in dia bearing N70° 83 lks although the field notes called for a White Ash A Fir line tree 18" in dia called for in the government field notes bears East 37 3 ft

I returned to the Hub near the S 7 Corner of the Geo Day DLC and ran South 91 6 ft and West 14 8 ft and set an Iron Pipe 1 1/2"x36" for the corner from which a Maple 12" in dia has N0°20' 55 4 ft A Maple 10" in dia has N32°15' E 73.5 ft This position of the South West corner of the Geo Day DLC makes the South boundary of the Geo Day DLC pass through an Oak line tree called for in the Government field notes also a stump of a Fir line tree called for in the field notes I then blazed the line through between corners as set

Solar Observation for direction on the first course
run from the corner to Sections 29-30-31-32

Taken at 10, 15 AM April 25 1923
Transit at Hub NO 1 and more sight on Hub no 3 or Section corner
Deflection Angle to Sun as sight 9°34' apparent altitude 51°10'
The Apparent Dec of the sun Greenwich noon N12°56'36"
Hourly Change 40" x 6 hrs 5°19'

Declination of the sun at the time of the Observation N13°01'55"

Latitude of Roseburg 43°13' N 3°13'
Correction for one mile 869 x 14 miles 12'

Latitude of position of Observation 43°01'

Measured altitude 51°10'
Correction for refraction 01'

True altitude of Sun at the time of the Observation 51°09'

From formula Cos Q eq Tan Alt x Tan Lat - (Sin Dec x Cosc Lat x Cosc Alt)
933 x 1 2415 - (225 x 7312 x 6273) Equals .6668
6668 Equals Cos of 348°11' and Sine 9°-34' makes direction of the line N57°45' W