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CONTRACT No.

635

Copied by  
E. H. ...

FIELD NOTES

Of the

South Boundary

Lines of

T.

1 S.

R.

35 E.

Willamette Meridian, Oregon,

RECEIVED AND FILED,

BY

this 30 day of Dec., 1895.

JOHN C. ARNOLD,

U. S. Surveyor General for Oregon.

Manius Buchanan

Deputy Surveyor.

UNDER

his

Contract of

April 19<sup>th</sup>

, 1895

Survey commenced

June 27<sup>th</sup>

, 1895

Survey completed

June 27<sup>th</sup>

, 1895

Platted

Copied for Washington

Ex.



FIELD NOTES

Of the survey of the South Boundary

Lines of T. 1 South R. 35  
East

Willamette Meridian, Oregon,

as surveyed by Marius Buchanan

U. S. Deputy Surveyor, under his Contract No. 635

dated April 19<sup>th</sup>, 1895.



Survey commenced, June 27<sup>th</sup>, 1895

Survey completed, June 27<sup>th</sup>, 1895

NAMES AND DUTIES OF ASSISTANTS.

Guy Z. Stryker, Chainman.

\_\_\_\_\_, Chainman.

Carl S. Nicklin, Chainman.

\_\_\_\_\_, Chainman.

Perry Vanarsdall, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.



4  
PRELIMINARY OATHS OF ASSISTANTS.

We,

*Guy D. Stryker* and  
*Carl S. Nicklin*

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we will assist in measuring, to the best of our skill and ability, and in accordance with the instructions given us in the survey of the

*South Boundary*

*of T. 1 S.*

lines of

*R. 35 E.*

Willamette Meridian, Oregon.

*Guy D. Stryker*, Chainman.  
*Carl S. Nicklin*, Chainman.

Chainman.

Chainman.

Subscribed and sworn to before me this

*twenty sixth*

day of

*June*

189*5*

[SEAL.]

*Marius Buchanan*

*U. S. Dept. Surveyor*

We,

*J. Perry VanArsdall*

and

do solemnly swear that we will well and truly perform the duties of Axmen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the

*entire South Boundary line*  
*of T. 1 S. R. 35 E.,* Willamette Meridian, Oregon.

Axman.

*Perry VanArsdall*

Axman.

Subscribed and sworn to before me this

*twenty sixth*

day of

*June*

189*5*

[SEAL.]

*Marius Buchanan*

*U. S. Dept. Surveyor,*



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Referring the Lines to the Pages of the Field Notes.

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Referring the Lines to the Pages of the Field Notes

Will. Mer.

There being no other officer authorized to administer oaths available without great delay and expense, I administer the required preliminary oath.

Marius Buchanan  
U. S. Dept. Surveyor

*done*

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S. Bdy. of U. S. R. 350. Continued

Chs. Soil-loam - 3<sup>rd</sup> rate:  
 Timber, heavy pine, fir, tamarac  
 and spruce; burned, 2830 chs.;  
 green, 2818 chs.  
 Mountainous lands - 80 chs.

---

W. on N. Bdy. of sec. 5.

- Descend very steep, rocky S. face.
- 0.20 Creek 17 lks. wide, course N. 20° W., ascend very steep N. face through dense undergrowth
  - 8.50 leave undergrowth - no timber
  - 22.50 Summit of ridge 1200 ft. above creek, bears N 20° W. crowned with rock cliffs - go through a cleft; descend
  - 40.00 set a basalt stone 15 x 10 x 7 ins. 10 ins. in the ground for 1/4 sec. Cor., marked 1/4 on N. face, <sup>and</sup> raised a mound of stone, 2 ft. at base, 1 1/2 ft. high, S. of cor. Pits impracticable.
  - 45.17 Creek 20 lks. wide; course N., ascend E. face:
  - 71.00 top of hill 1300 ft. above creek; bears N and S. enter timber -
  - 78.80 Intersect U. S. R. Bdy. line and set temp. Closing Cor.



S. Bily. of T. 1 S. R. 35 E. Cont.

Chs. I now go in search of closing Cor. on closing line from the West, which I find and is a post 2 ft. above ground 4 ins square, marked and witnessed as described by the Surveyor General:

thence I run N 20° E on U. L. R. Bily. line:

5:10 The 1/2 M. post on 5<sup>th</sup> Mile, which is a post, marked and witnessed as described by the Surveyor General.

10:10 My temp Cor., which, being out of limits, to make permanent, I set a fir post 3 ft. long, 4 ins. square, 24 ins. the ground for closing Cor. to Tps. 1 and 2 S. R. 35 E, marked

C. C. R. 35 E. on E.

T. 1 S. S 32 on N and

T 2 S. S. 5 on S faces; from which a fir 10 ins. diam. bears N. 40 1/2° E. 16 lks.

dist. marked T. 1 S. R. 35 E. S. 32 B. T. and

a fir 9 ins. diam. bears S. 43° E. 16 lks.

dist. marked T. 2 S. R. 35 E. S. 5 B. T.

hard - mountainous - soil - loamy - 1<sup>st</sup> to 3<sup>rd</sup> rate timber - pine and fir - undergrowth - fir, willow & chuparral Mountainous lands - 49.80 Chs.

June 2<sup>nd</sup> 1895



S. Bdy. of T. 1 S. R. 35 E. - Concluded.

Boundaries of T. 1 S. R. 35 E.

Latitudes, Departures & Closing Errors

Lines Designated	True Bearing	Dist. in Chances	Latitude		Departure	
			N.	S.	E.	W.
N. Bdy	East	472.64 484.64			472.64 484.64	
S. Bdy	West	478.50 <sup>45</sup>		9.45 <sup>49</sup>		478.50 <sup>45</sup>
W. Bdy	North	482.90 484.65	482.90			
E. Bdy	South	473.50 479.30		473.50 479.30		
Convergence				482.99		74
Totals			484.65	488.78	485.38	478.50 <sup>45</sup>
			482.90	482.90	473.38	473.38
				484.65	473.38	478.50 <sup>45</sup>
Error in latitude				4.10		5.07
				Error in departure		6.88

Note. The sec. line, N. and S. bet. secs. 33 and 34 and 27 and 28 is 155.21 Chs.; the lat. of the southing on the U. S. R. is 9.45 Chs.; the dist. on the W. Bdy. of secs. 31 and 30 is 165.98<sup>84</sup> Chs.; The N. end of which lines are connected by an E. and W. line; which gives a total error of 1.58<sup>118</sup> Chs.; which may be accounted for by the almost impassable <sup>canons</sup> canons on these lines. I found it impracticable to make any



### FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Marius  
Buchanan, U. S. Deputy Surveyor, to assist in running,  
 measuring, and marking the lines and corners described in the foregoing field notes of the  
 survey of the South Boundary  
R. 35 E. lines of T. 1 S.  
Willamette Meridian, Oregon,  
 showing the respective capacities in which they acted:

- Guy D. Stryker, Compassman.
- Guy D. Stryker, Chainman.
- Carl S. Nicklin, Chainman.
- Hall, Chainman.
- Perry VanArsdall, Chainman.
- Perry VanArsdall, Axeman.
- Perry VanArsdall, Axeman.
- Perry VanArsdall, Flagman.

### FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Marius Buchanan  
Marius Buchanan, U. S. Deputy Surveyor, in surveying all  
 those parts or portions of the South Boundary  
line of T. 1 S.  
R. 35 E. Willamette Meridian, Oregon,  
 as are represented in the foregoing field notes as having been surveyed by him and under  
 his direction; and that said survey has been in all respects, to the best of our knowledge  
 and belief, well and faithfully surveyed, and the corner monuments established according  
 to the instructions furnished by the U. S. Surveyor General of Oregon:

- Carl S. Nicklin, Compassman.
- Carl S. Nicklin, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Chainman.
- Perry VanArsdall, Chainman.
- Perry VanArsdall, Axeman.
- Perry VanArsdall, Axeman.
- Perry VanArsdall, Flagman.

Subscribed and sworn to before me, this fifth day  
 of July, 1895

[SEAL.]

Marius Buchanan  
U. S. Dept. Surveyor



FINAL OATH OF DEPUTY SURVEYOR.

I, Marius Buchanan, United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from John C. Arnold, U. S. Surveyor General for Oregon, bearing date of the eighth day of May, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Oregon, the Surveying Manual, and the laws of the United States, surveying all those parts or portions of South Boundary of T. 1 S. of R. 35 E Willamette Meridian, in the State of Oregon, as are represented in the foregoing field notes as having been surveyed by me and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Surveying Manual, printed instructions, the special written instructions of the U. S. Surveyor General for Oregon, and in the specific manner described in the field notes, and that the foregoing are the *true* field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an act of Congress approved August 8, 1846.

Marius Buchanan  
U. S. Deputy Surveyor.

Subscribed and sworn to before me this twenty eighth day of December, 1895

John C. Arnold,  
U. S. Surveyor General  
for Oregon.



## Office of U. S. Surveyor General,

Portland, Oregon, *November 28*, 189*6*The ~~following~~ <sup>foregoing</sup> Field Notes of the Survey of the <sup>Resurvey</sup>*South boundary of Township*  
*1 South Range 35 East**Will Mer. Oregon*executed by *Marius Buchanan*  
*U S Deputy Surveyor*  
under his Contract No. *635*, dated *April**19*....., 189*5*, having been critically examined,  
the necessary corrections and explanations made, the said Field  
Notes and the survey they describe, are hereby approved.*Robert A. Habershaw*

Surveyor General.