

M 90-30

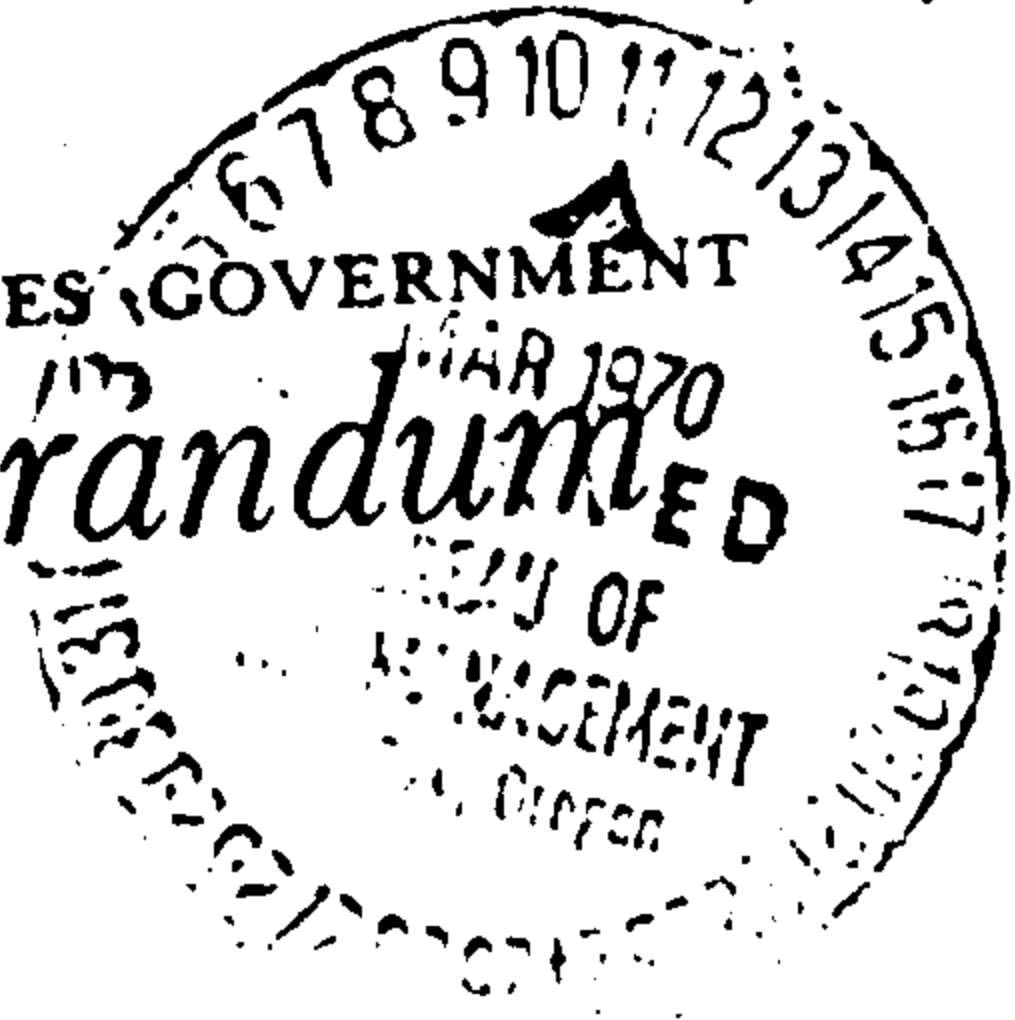
AND M90-36

IN REPLY REFER TO:

9180 (100.4c)

UNITED STATES GOVERNMENT

Memorandum



DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oregon State Office  
Portland, Oregon

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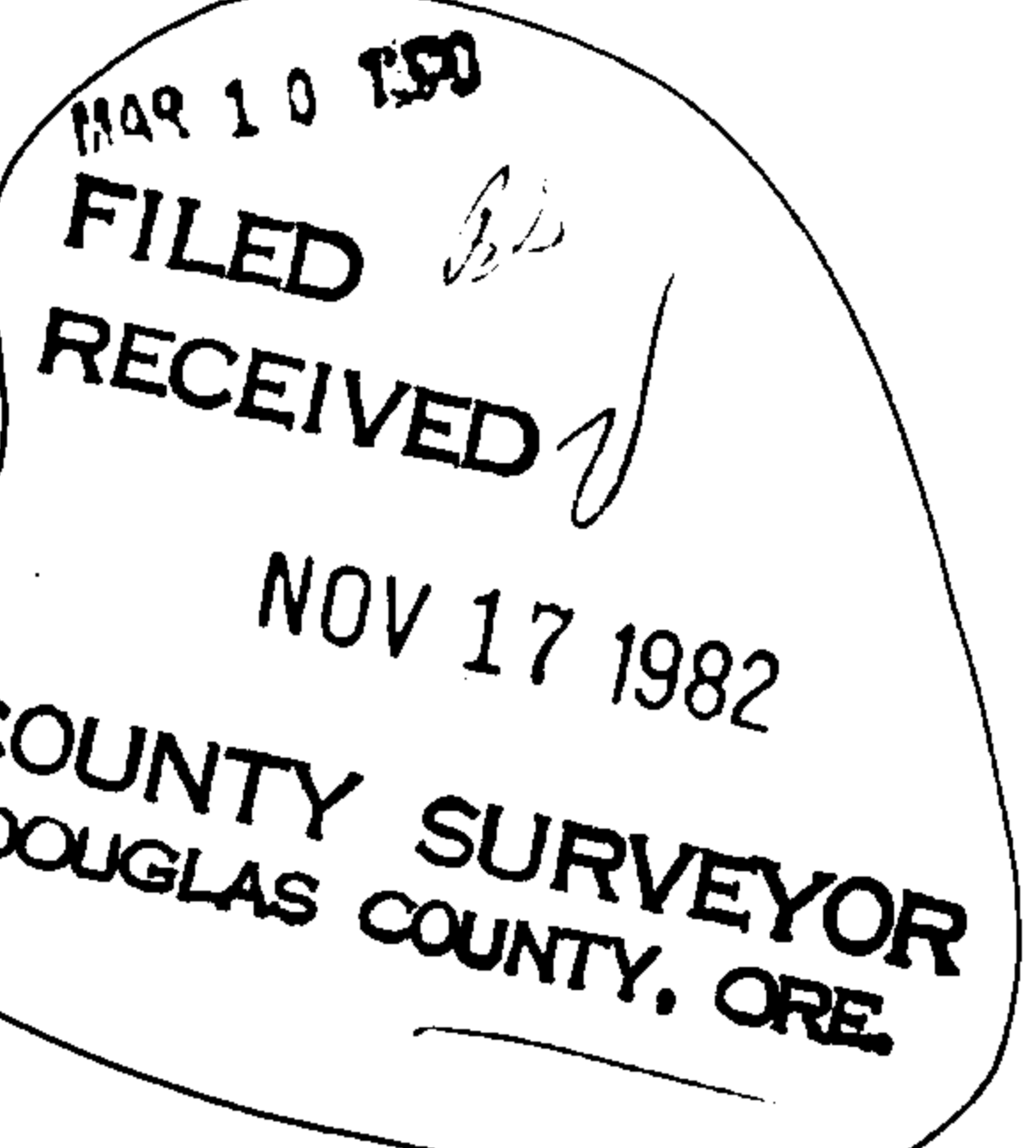
*(This copy to be moved to new file to accommodate new filing.)*

JAN 5 1983 DATE:

TO : District Manager, Coos Bay COUNTY SURVEYOR  
DOUGLAS COUNTY, ORE.

FROM : Chief, Division of Engineering

SUBJECT: Subdivision of Section 4,  
T. 21 S., R. 9 W.



The subdivision of section 4, T. 21 S., R. 9 W., to delineate federal ownership, would be done in the following manner:

The center lines of the section would be run between the 1/4 section corners. The center 1/4 section corner would be established at the intersection of these lines. The center east 1/16 section corner, the center 1/16 - 80 section corner, and the center 1/16 - 100 section corner would be established at proportionate points on the E-W center line, based on the areas shown on the enclosed plat of a dependent resurvey made in 1966-67. (This is a preliminary plat, subject to change, and should not be for public use.) The center west 1/16 section corner will go at midpoint between the center 1/4 section corner and the 1/4 section corner of sections 4 and 5. The center south 1/16 section corner will go at midpoint between the 1/4 section corner on the south boundary of section 4 and the center 1/4 section corner. The northeast quarter of the section would be subdivided to the extent necessary by running the N-S center line, the N-S 1/16 - 80 line, and the N-S 1/16 - 100 line. The southeast 1/16 section corner, the south 1/16 - 80 section corner, and the south 1/16 - 100 section corner would be established at the intersections of the N-S lines with the E-W center line of the quarter. The northwest quarter of the section would be subdivided to the extent necessary by running the N-S center line of the quarter.

*James A. ...*

Enclosure

Administrative routing table with handwritten initials and dates.

M 90-30

IN REPLY REFER TO



United States Department of the Interior 9600 (942)

BUREAU OF LAND MANAGEMENT

OREGON STATE OFFICE

P.O. Box 2965 (729 NE Oregon Street)  
Portland Oregon 97208

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June 30, 1982

JAN 5 1983

COUNTY SURVEYOR  
DOUGLAS COUNTY, ORE.

Mr. Les Roberts  
29 West 29th Street  
Suite 2A  
Eugene, Oregon 97405

Dear Mr. Roberts:

This is in response to your letter dated June 15, 1982, concerning subdivision of section procedure for sections 4 and 5, T. 21 S., R. 9 W., Willamette Meridian, Oregon.

The NW $\frac{1}{4}$  of section 5 was protracted as surveyed on the official plat approved July 3, 1878. The survey of the section was completed as shown on the official plat approved March 27, 1879. Because section 5 was completed with aliquot parts and an acceptable closure, we feel the section should be subdivided in a normal manner by surveying the center lines as straight lines between opposite  $\frac{1}{4}$  section corners and the center  $\frac{1}{4}$  section corner established at the intersection of the center lines, etc.

Section 4 appears to be a different situation. The NW $\frac{1}{4}$  of section 4 was returned as surveyed on the official plat approved March 27, 1879. Alonzo Gesner completed the section as shown on the official plat approved September 21, 1895. The lotting on the Gesner plat shows that section 4 was completed by protecting the NW $\frac{1}{4}$  with 160 acres and creating a broken center line situation at the center  $\frac{1}{4}$  section corner.

Close examination of the 1895 plat shows that straight line center lines, surveyed to opposite  $\frac{1}{4}$  section corners, would not provide the platted lot acreages. However, with a broken center line situation, the lot acreages can be obtained.

Based on the above, the center  $\frac{1}{4}$  section corner of section 4 would be established by surveying the north one-half of the north and south center line southerly, parallel with the north one-half of the line between sections 4 and 5, to an intersection with the west one-half of the east and west center line surveyed easterly, parallel with the west one-half of the north boundary of section 4. The center lines of section 4 would

C. S. File No. 58/280

C. S. File No. 58/280-21

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JAN 5 1983

COUNTY SURVEYOR  
DOUGLAS COUNTY, ORE.

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be completed by connecting the center  $\frac{1}{4}$  section corner with the  $\frac{1}{4}$  section corners on the east and south boundaries of the section.

The foregoing information should be considered merely advisory in nature. We hope it is helpful to you.

Sincerely,

*William W. Glenn*

William W. Glenn  
Chief, Branch of Cadastral Survey

C. S. File No. 58/280

C. S. File No. 58/280-2c



## COUNTY OF DOUGLAS

OFFICE OF THE SURVEYOR  
ROOM 205 - JUSTICE BUILDING  
ROSEBURG, OREGON 97470

December 28, 1982

William W. Glenn  
Chief, Branch of Cadastral Surveys  
Bureau of Land Management  
P.O. Box 2964  
Portland, OR 97208

Dear Mr. Glenn:

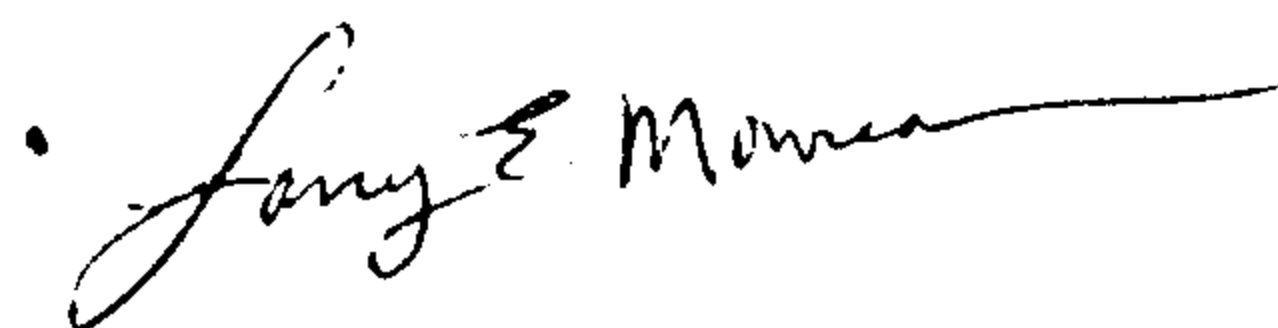
Recently the Douglas County Surveyor's Office received a copy of a letter you wrote dated June 30, 1982. The letter advised on the subdivision of Sections 4 and 5 of T. 21 S., R. 9 W., W.M., Oregon.

In the letter you advised the subdivision of Section 4 as follows:  
The north half of the center N-S line should be run parallel to the west section line beginning at the north quarter corner running to the intersection with the west half of the center E-W line. The E-W center line should begin at the west quarter corner and run parallel to the north section boundary.

The opinion seems to disagree with the plat of the 1967 survey by the BLM which we have on file. The projected section subdivision appears to be done by intersecting straight lines between opposite quarter corners.

A copy of the letter, along with a copy of the 1967 survey plat that I refer to are enclosed. As we have a survey of this section to file soon we would appreciate your assistance in this matter.

Sincerely,



Larry E. (Ed) Monrean  
Survey Supervisor

LEM:dsf  
enclosures





M 90-30

IN REPLY REFER TO:

# United States Department of the Interior

9600 (942)

BUREAU OF LAND MANAGEMENT

OREGON STATE OFFICE  
P.O. Box 2965 (729 NE Oregon Street)  
Portland, Oregon 97208

January 7, 1983

Mr. Larry E. Monrean  
Survey Supervisor  
Douglas County Surveyor Office  
Room 205, Justice Building  
Roseburg, Oregon 97470

Dear Mr. Monrean:

This is in response to your letter of December 28, 1982, regarding the subdivision of section 4, T. ~~29~~<sup>21</sup> S., R. 9 W., W.M., Oregon.

The survey procedure for subdividing section 4 is correct as detailed in our June 30, 1982 letter to Mr. Les Roberts, i.e. the N $\frac{1}{2}$  of the N. and S. center line would be parallel to the west boundary and the W $\frac{1}{2}$  of the E. and W. center line parallel to the north boundary. Your question on the procedure used to subdivide section 4 on the 1970 plat is valid, and at first inspection, it does appear the protracted center lines were determined by the intersection of straight lines between opposite  $\frac{1}{4}$  section corners. However, if a straight edge is put on the E. and W. center line, it can be seen that there is a definite break in bearing at the center  $\frac{1}{4}$  section corner, with the E $\frac{1}{2}$  having a more pronounced bearing to the north-east than the W $\frac{1}{2}$ . This difference is also substantiated by the protracted distances and areas shown on the 1970 plat for section 4.

In attempting to subdivide section 4 on paper, per the 1970 plat, certain discrepancies were found. Whereas the W $\frac{1}{2}$  of the E. and W. center line should have been S. 89° 14' E., parallel to the N. boundary, the parenthetical distances for the N $\frac{1}{2}$  of the N. and S. center line indicate that a bearing of N. 89° 14' E. was used in the calculations. Also the N. and S. center line was protracted as a straight line between the N. and S.  $\frac{1}{4}$  section corners; it should have been S. 3° 27' W. for the N $\frac{1}{2}$  to an intersection with the W $\frac{1}{2}$  of the E. and W. center line and then southerly to the S $\frac{1}{4}$  section corner. Based on the above, the area for the E $\frac{1}{2}$ , NW $\frac{1}{4}$  would be 70.27 acres versus 69.35 as shown on the 1970 plat, a difference of 0.72 acres.

File No. 58/280-2F

Not having the computations used on the 1970 plat, it is only an educated guess on our part as to what numbers were used to subdivide section 4. Because Gesner's plat had the N. and S. center line a straight line due to the cardinal bearings of his survey, it can be assumed that the 1970 plat used the rationale that since the Gesner plat had it as a straight line, it should be drawn the same way. However, because of the cardinal bearings of section 4, Gesner's center lines were parallel to protect the NW $\frac{1}{4}$ , and this was overlooked when the 1970 plat was drafted.

If you have any further questions on this subject, please contact this office.

Sincerely,



William M. Smart  
Acting Chief,  
Branch of Cadastral Survey