

No.

United States Surveyor General,

BOISE CITY, IDAHO.

Date, January 21, 1905., 1

SUBJECT:

SPECIAL INSTRUCTIONS

issued Hezekiah H. Johnson,

Stephen D. ^{zz}Hingate and

Attress M. Kirchen, D.S.,

under

CONTRACT NO. 258, IDAHO.

Referred to Division

Received (G. L. O.), 1

45162

45162

In reply to

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR-GENERAL,
DISTRICT OF IDAHO,

BOISE CITY, January 21, 1905.

Messrs. Hezekiah H. Johnson,
Stephen D. Hingate, and
Attress M. Kirchen,
U. S. Deputy Surveyors,
Under Contract No. 258, Idaho,
Dated January 21, 1905.

Sirs:

1.- You are herewith furnished copies of the latest Manual of Surveying Instructions for the Survey of Public Lands, issued by the Honorable Commissioner of the General Land Office, dated January 1, 1902, which together with these special instructions and such as may be issued hereafter during the progress of your work, are to be your guide in executing the surveys under your joint contract No. 258, and in making returns thereof to this office.

2.- All the townships and fractions of townships included in your contract, are situated in the Coeur d'Alene Indian Reservation, the survey of which has been provided for by special appropriation. You will, therefore, complete in its entirety, the subdivision of each township embraced in your contract, unless natural obstacles render such completion absolutely impossible.

3.- The estimated liability of your contract must not be exceeded. Whenever the limit of your contract is approached and it is found that the completion of the survey will carry the cost beyond the estimated liability thereof, you are required to make

due application to this office for authority to complete the work, stating the approximate cost and excess of liability. The matter will then be submitted, with proper recommendations, to the Honorable Commissioner of the General Land Office.

4.- A description of all established corners from which your surveys start or upon which they close will be furnished you and copies of required field notes of previous surveys with which your work may connect.

5.- If any of the original corners visited by you have become obliterated, dilapidated or obscure, you will repair or restore them to conform to the regulations of the Manual of 1902, and report in your returns the kind of monument established.

6.- You will observe extreme care in the matter of oaths required by law and the Manual. If the jurats be administered by a justice of the peace or notary public, the authority of such officer to administer such oaths must be attested under seal by the clerk of the proper district court or by the Secretary of State.

7.- You will be required to execute in your own proper persons the work provided for in this contract. The employment of a compassman is strictly prohibited by the General Land Office and will be allowed only under extraordinary and extenuating circumstances, such as the death of the deputy or his positive physical inability to complete the work.

8.- If any developments or indications in any of the sections or portions thereof, in the townships surveyed by you, indicate a greater value thereof for mining than for agricultural purposes,

so state with your reasons for the formation of such judgement in the general description following the field notes proper of such township.

9.- By circular letter "E", dated February 28, 1898, from the Honorable Commissioner of the General Land Office, you are directed to observe the following:

"THE DESCRIPTION OF THE SURFACE.- In order that accounts for high rates may be properly rendered, your field notes must show the exact chainage at which you enter and leave lands heavily timbered, mountainous, or covered with dense undergrowth; and in your description at the end of each mile, you must state the exact distance in chains and links which is of such character. The increased compensation cannot be allowed, however, unless both plats and field notes conclusively show the character of the country to be such as shall admit of high rates, otherwise only the minimum rates can be allowed. The plats must show graphically a complete correspondence with the description contained in the notes; and the field notes must show from point to point on the line the exact character of the country, while there and in the general description at the end of the line run the exact wording of the appropriation act should be used as 'heavily timbered', 'mountainous' or 'through dense undergrowth'. Each note relative to entering and leaving such lands should appear in separate lines so as to be distinct from other entries."

You are required to make accurate note and description at the end of each line in the entire survey of the exact character of the land over which the lines of survey pass so as to enable both this office and the General Land Office to ascertain if the rates of mileage claimed are warranted by the character of the land surveyed as described in the field notes.

10.-The utmost care must be exercised in the preparation of plat and field notes of your surveys before submitting same to this office, so as to avoid the necessity of returning them to you again and again for corrections and explanations, and in order to facilitate and expedite the work of this office in connection with

the usual official plats and transcripts. The field notes must be written in a plain, legible hand in black, non-copying ink (in terse but explicit language) and be so complete within themselves as to embody all the information and data necessary for a complete map, leaving nothing to be explained by letter. They must follow the phraseology of the Manual in so far as possible, as outlined in the specimen field notes. All erasures and interlineations must be avoided in those important records of your surveys.

11.- In matters pertaining to the kind and adjustment of instrument, care in measurements, permanent markings and all other instructions applicable to this survey, not contained in these special instructions, you will be governed by the Manual:

12.- Prompt returns of your work should be made to this office. You are herewith furnished diagrams showing topography, courses and distances of adjoining surveys. You are also furnished field note paper and blanks for the usual oaths to accompany survey returns. Topography must be platted from the field notes submitted to this office and not from other data which you may possess. This will enable you to detect and correct any errors before transmitting your returns to this office. The plat should show courses and distances of surveyed lines and the topography should be connected across the sections.

13.- You are directed not to furnish any plats, copies of field notes or other data therefrom to any person or persons whomsoever.

14.- A careful inspection in the field of all surveys will be made, probably by an examiner under the direction of the General Land Office, prior to the payment of your surveying account; and where such examination discloses evidence of careless or unskillful work, departing materially from the requirements of the Manual and special instructions, the survey will be rejected forthwith.

15.- Extensions of time in which to complete said surveys and make returns thereof to this office will only be allowed for good cause and for delays wholly beyond the control of the deputy. In this connection you are herewith furnished with copies of circular "E" dated September 25, 1893, and January 30, 1894, respectively, the regulations of which are still in force.

16.- Your contract authorizes such resurveys as may be found absolutely necessary and payment therefor will accordingly be made out of the liability of the contract. You will execute all such resurveys and retracements in strict conformity with circular letter "E" dated June 15, 1898, from the Honorable Commissioner of the General Land Office, copy of which is herewith attached.

17.- Your special attention is directed to the rules on pages 23 to 55, inclusive, of the Manual, referring to the establishment of corners. It is safe to assume that stone monuments will be available everywhere in this township and they must be used under all circumstances in preference to other material. Where stones are not available and the use of wooden posts cannot be avoided, you are required to select such posts with reference

to hardness and durability. Cedar posts are to be used wherever they can be obtained within reasonable distance.

18.- For the more secure preservation of meander corners and other corners from destruction upon low lands subject to inundation and along banks liable to erosion, you are required to exercise discretion in placing them upon as safe ground as practicable and to use a permanent memorial under ground as marked stone, charred stake or charcoal to identify the spot if superficial evidence should be erased. The clause of the Manual requiring the meander corners to be placed at ordinary high-water mark is sometimes in conflict with the more important rule that permanence of corners is to be sought in all cases, and the latter principle should prevail. In case of rapid erosion of a river bank, a witness corner to the true point for meander corner would secure the desired object and the meander line should be run from the true point at the actual shore.

19.-You will locate and describe in your returns, all Indian occupations on the lands embraced in your contract.

20.- In addition to the foregoing special instructions, you will be guided by the accompanying diagram, showing the surveys to be performed, and by the following particular directions for executing the surveys under your contract No. 258.

EXTERIORS.

21.- TOWNSHIP 45 NORTH, RANGE 2 WEST.

Fractional West and North Boundaries.

From the closing cor. of fractional secs. 19 and 24 on the West boundary of the township, and on the East boundary of

Coeur d'Alene Indian Reservation, run North counting distance from the cor. of secs. 19, 24, 25 and 30, setting sec. and $\frac{1}{4}$ sec. cors. 40.00 chs. apart, and at 4 miles set temporary cor. of Tps. 45 and 46 N., Rs. 2 and 3 W.

From the closing cor. of frac. secs. 4 and 33, on the N. boundary of the township and on the East boundary of Coeur d'Alene Indian Reservation, run West on a random line, counting distance from the cor. of secs. 3, 4, 33 and 34, to the temporary township corner. If the falling does not exceed 21 minutes of arc, you will establish the cor. of Tps. 45 and 46 N., Rs. 2 and 3 W., at the temporary Tp. cor., and correct back on a true line for fractional north boundary. Should the falling exceed 21 minutes of arc, you will then establish said township cor. at the intersection of your random line with the West boundary of the township, and make your random line the true line for fractional North boundary.

22.- TOWNSHIP 46 NORTH, RANGE 2 WEST.

West and fractional North Boundary.

From the cor. of Tps. 45 and 46 N., Rs. 2 and 3 W., run North establishing the West boundary, and at 6 miles set temporary cor. of Tps. 46 and 47 N., Rs. 2 and 3 W.

Then from the closing cor. of secs. 1 and 36 on the N. boundary of the township, and on the East boundary of the Coeur d'Alene Indian Reserve, run West on a random line to the temporary Tp. cor. If the falling does not exceed 21 minutes of arc, establish the cor. of Tps. 46 and 47 N., Rs. 2 and 3 W., at the temporary Tp. cor., and correct back on a true line for north boundary.

Should the falling exceed 21 minutes of arc, you will then establish the said township cor. at the intersection of the random line with the West boundary of the township, and make your random line a true line for north boundary.

23.- TOWNSHIP 47 NORTH, RANGE 2 WEST.

West and Fractional East Boundary.

From the cor. of Tps. 46 and 47 N., Rs. 2 and 3 W., run North to intersection with the New North boundary of the Coeur d'Alene Indian Reservation, where you establish closing cor. of respective sections and connect same with nearest mile post on said boundary.

From the closing cor. of secs. 31 and 36 on the E. boundary of the township and the E. boundary of the Coeur d'Alene Indian Reservation, run North, counting distance from cor. of Tps. 46 and 47 N., Rs. 1 and 2 W., and at intersection with the New North boundary of the Coeur d'Alene Indian Reservation, set closing cor. of the respective sections, and connect same with nearest mile post on said boundary.

24.- TOWNSHIP 44 NORTH, RANGE 3 WEST.

Fractional South Boundary.

From the closing cor. of secs. 6 and 31 on the S. boundary of the township and on the E. boundary of the Coeur d'Alene Indian Reservation, run West to intersection with the E. boundary of T. 44 N., R. 4 W., where you establish closing cor. of Tps. 43 and 44 N., R. 3 W., and connect same with nearest cor. on said bdy.

25.- TOWNSHIP 45 NORTH, RANGE 3 WEST.

The 9th Standard Parallel North forms the South boundary of this township. You will obliterate the standard cor. of Tp. 45 N., Rs. 3 and 4 W., and at point of intersection of said standard with the range line bet. Rs. 3 and 4 W., set closing cor. of Tps. 44 and 45 N., R. 3 W., connect same with nearest cor. on said range line and note distance of closing cor. from $\frac{1}{4}$ sec. cor. on S. boundary of sec. 31, or from the standard cor. of secs. 31 and 32.

Obliterate all traces of the standard line west of range line.

26.- TOWNSHIP 46 NORTH, RANGE 3 WEST.

South and North Boundaries.

From the respective SE. and NE. cor. of the township, run West to intersection with the range line bet. Rs. 3 and 4 W., where you establish the respective township closing corners and connect same with respective nearest cor. on said range line.

27.- The range line bet. Rs. 3 and 4 W., from the cor. of secs. 24 and 25 on the E. bdy. of T. 44 N., R. 4 W., to the intersection with the North boundary of the Coeur d'Alene Indian Reservation, will be established as E. bdy. of Tps. west of the line, by Herman D. Gradon and Harold A. Rands, D. S., under contract No. 260. Therefore, if any errors are found by you in running said range line, you will suspend further connections therewith, and request Gradon and Rands to make a joint survey with yourselves to correct the error. Should deputies Gradon and Rands fail to comply with your request, you should immediately notify this office.

SUBDIVISIONS.

28.- In sections adjoining the East boundary of the Coeur d'Alene Indian Reservation, the subdivisional lines will be extended from the respective section closing corners on said boundary. When, however, errors in the old surveys make it necessary to subdivide independent of the old section closing cors., you will follow the rules of the Manual.

29.- The latitudinal section lines in the west range of sections of the townships in Range 3 West, will be run West to intersections with the range line, where closing corners will be established and connected with the respective nearest corner on said range line.

The meridional section lines in the north tier of sections in T. 47 N., Rs. 1, 2 and 3 W., will be run northerly to intersections with the New North boundary of the Coeur d'Alene Indian Reservation where closing corners will be established and each connected with the nearest mile post on said boundary.

30.- In order that you may thoroughly understand the foregoing special instructions which accompany your contract No. 258, as a part thereof, you are requested to study the same carefully in detail.

Should unusual cases arise during the progress of your work rendering further directions necessary, you will be fully instructed upon reporting the same to this office.

Very respectfully,



U. S. Surveyor General for Idaho.