

W-1
F-3

February 28, 1963

Mr. A. S. Marshal
Alvin Plaza Hotel
Main at 7th
Tulsa, Oklahoma

Dear Mr. Marshal:

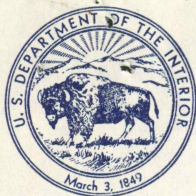
Thank you for your letter requesting information on the geological complex of the area in the state of Washington that comprises Stevens County.

I have referred your letter to the Department of Interior. As soon as I get the information you requested I will let you know.

With kindest regards and best wishes, I am

Sincerely yours,

A. S. Mike Monroney
United States Senate



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

MAR - 8 1963

Handwritten red mark (possibly 'X' or 'J')

Hon. A. S. Mike Monroney
United States Senate
Washington 25, D. C.

Dear Senator Monroney:

In response to your communication of February 26, we have written to Mr. A. S. Marshal, Alvin Plaza Hotel, Main at 7th, Tulsa, Oklahoma; a copy of our reply is enclosed.

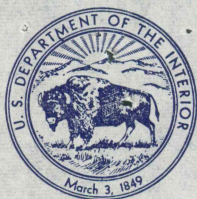
Mr. Marshal's letter is returned herewith.

Sincerely yours,

Arthur D. Baker

Acting Director

Enclosures



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D.C.

MAR - 8 1963

Hon. A. S. Mike Monroney
United States Senate
Washington 25, D. C.

Dear Senator Monroney:

In response to your communication of February 26, we have written to Mr. A. S. Marshal, Alvin Plaza Hotel, Main at 7th, Tulsa, Oklahoma; a copy of our reply is enclosed. Mr. Marshal's letter is returned herewith.

Sincerely yours,

Acting Director

Enclosures



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WASHINGTON 25, D. C.

MAR - 8 1963

Mr. A. S. Marshal
Alvin Plaza Hotel
Main at 7th
Tulsa, Oklahoma

Dear Mr. Marshal:

Senator Monroney has referred your request of February 20 for oil or gas maps of Stevens County, Washington, to the U. S. Geological Survey.

A number of studies relating to the geology and mineral resources of Stevens County, Washington, have been made by the U. S. Geological Survey, results of which appear in the publications marginally checked in the enclosed list. These are not, however, oil and gas investigations, and, as indicated on the enclosed generalized map of the United States, Stevens County is not classified as a likely area for yielding commercial quantities of oil or gas.

Information Circular No. 29 of the Washington Division of Mines and Geology, "Oil and gas exploration in Washington, 1900-1957," by Vaughn E. Livingston, Jr., lists two wells as having been drilled in Stevens County. These are as follows:

Company	Well Name	Location	Spudded	Depth (feet)	Remarks
(?)	(?)	On Mill Creek NE of Colville	Prior to 1902	1,100	Cable tools. Drilled in limestone.
Indian Foot Oil Co.	Chewelah No. 1	Chewelah area. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10 (32-40E)	1930	2,470+	Cable tools. In Paleozoic meta- sediments. Driller's log, well cuttings.

So far as we are aware, no other wells have been drilled in search of oil or gas in that county.

Additional references on Stevens County include the following:

Washington Geological Survey Bulletin 20. The mineral resources of Stevens County, by Charles E. Weaver. 1920.

Washington Division of Geology Bulletin 31. Lead deposits of Pend Oreille and Stevens County, Washington, by Olaf P. Jenkins. 1924.

Washington Division of Geology Report of Investigations 4. Preliminary report on petroleum and natural gas in Washington, by Sheldon L. Glover. 1936.

Pages 8-9 discuss oil and gas possibilities of the state, and Plate 1 (inserted between these pages) is an outline map of Washington showing areas favorable and unfavorable for oil and gas. Stevens County is classified as unfavorable. On page 9 the following statement is made:

"Igneous and metamorphic rocks comprise all but a very small part of the Okanogan Highlands and the Cascade Mountains. Such unaltered sediments as occur are surficial deposits and relatively thin Tertiary lacustrine and fluvial sediments without promise for oil or gas. In eastern Washington, this classes as definitely unfavorable Pend Oreille, Stevens, Ferry, and Okanogan counties, all of Chelan County except a few townships near Wenatchee, and the western part of Kittitas, Yakima, and Klickitat counties."

Washington Division of Geology Report of Investigations 13. Dolomite resources of Washington. Part 1, Preliminary report on Okanogan, Lincoln, and Stevens Counties, by W. A. G. Bennett. 1944.

Washington Division of Geology Report of Investigations 14. Some magnetite deposits of Stevens and Okanogan Counties, Washington, by W. A. Broughton. 1945.

Geological Society of America Bulletin Volume 58, No. 7, pp. 597-612. Cambrian rocks of northeastern Stevens County, Washington, by Charles D. Campbell. July 1947.

Washington Division of Mines and Geology 46. Bibliography and index of geology and mineral resources of Washington, 1937-1956, by William Reichert. 1960.

In addition to references to published articles this bulletin includes an appendix which consists of 2 sections: (A) a bibliography and index of theses, special papers, and reports of colleges and universities of the United States; and (B), a list of other unpublished reports and papers. A considerable number of entries are listed for Stevens County.

Many public and educational institution libraries offer opportunity to consult the various publications on Stevens County. Such libraries would include the Tulsa Public Library and the University of Tulsa Library, and interlibrary loans might be arranged for reports that they do not have on their shelves.

Information as to the availability of reports of the State Division of Mines and Geology that are still in print may be obtained by writing to the Division of Mines and Geology, Department of Conservation, 335 General Administration Building, Olympia, Washington. That agency keeps in close touch with oil and gas exploration throughout Washington, and may be able to furnish more detailed data on Stevens County.

I hope that the information given herein will be of assistance, and, if I can be of any further help, please let me know.

Sincerely yours,

Arthur A. Baker

Acting Director

Enclosures

Senator A. S. Mike Monroney ✓

ALVIN
PLAZA
HOTEL

MAX T. SIMMS
VICE-PRESIDENT AND
GENERAL MANAGER

MAIN AT 7TH
TULSA, OKLAHOMA

W. W. (WOODY) GUARD
ASSISTANT MANAGER

February 20th, 1963.

Hon. A. S. "Mike" Monroney,
United States Senate Office Bldg.,
Washington 25, D. C.

Dear Senator:-

The writer is interested in the geological complexation of the area in the state of Washington that comprises Stevens County. It is the writer's understanding that the Department of Interior might have some oil and or gas maps showing this area, put together by the U. S. G. S.

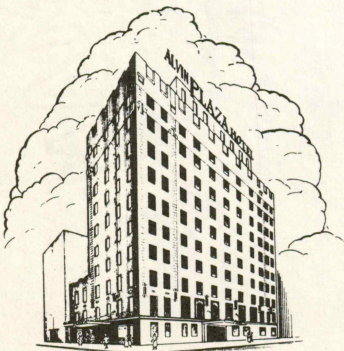
I would appreciate it very much if your office would approach the department for at least four copies of such maps of that area, showing the probability of gas and/or oil, in view of the fact this writer and others have recently taken a considerable amount of acreage there for such exploration.

Thanking you for your indulgence with me in this regard, I am,

Very truly yours,

A. S. Marshal
A. S. Marshal

asm/m



The Best Without Extravagance

Guest Rooms . . . Coffee Shop . . . Banquet Rooms . . . Tap Room

COMPLETELY AIR CONDITIONED