

Memo From the desk of Clarence I. Justheim.

Douglas Aircraft Laboratories say they can build under U.S. Patent 3237689 and Canadian Patent 764769 a hot hydrogen nuclear reactor to produce light oils and gasoline *in-situ* from oil shale. As we are not limited to the kind of Reactor we no doubt could build a hot hydrogen plutonium breeder. While the hot hydrogen reduces the impurities in the kerogen to produce light oils and gasoline very valuable plutonium is produced as a by-product.

MR. CLARENCE I. JUSTHEIM,
President, Justheim Petroleum Co.,
Salt Lake City, Utah

CONTINENTAL OIL Co.,
New York, N.Y., September 6, 1967.

DEAR MR. JUSTHEIM: I have carefully reviewed the information and proposal in your letter of August 24, 1967, and have also gotten the views of our technical people. Although your idea is an ingenious one, it does not fit into our picture at the present time.

Thanking you for thinking of Continental Oil Company, I am,
Cordially yours,

HOWARD W. BLAUVELT.

Senator Moss. Now, there have been certain other statements received that may be submitted. The record is going to be kept open for 10 days for additional statements.

Other persons who are listed as witnesses either weren't able to remain for the full time or may wish to submit a statement or others may come in or there may be amplification of statements that have been made by witnesses here.

I think this will then complete our oral testimony.

I know that Byron Mock has been here through this whole hearing. I sent down and asked if he would not like to appear and say a word before we closed. He declined the invitation.

I will extend it again if he cares to make any remarks before this committee, because of his long involvement in the problem and his service to the Secretary's Oil Shale Advisory Board. Mr. Mock, would you care to say a word before we recess?

STATEMENT OF BYRON MOCK, ATTORNEY, SALT LAKE CITY, UTAH

Mr. Mock. Senator Moss, I am Byron Mock, an attorney in Salt Lake City who had the privilege of serving on the Oil Shale Advisory Board with Dr. Childs and four others, where we filed six separate majority opinions, sometimes known as six dissents, to our report. I think that that has been made part of the record.

Senator Moss. That is true.

Mr. Mock. Subsequently I had occasion upon the request of one of the law journals to make an analysis of the issues that were developed there and that also, I understand, has been made a part of the record.

If I might make just two remarks as a lawyer, one, no lawyer who has ever dealt with titles in the public land area has ever failed to run into the problem of unpatented mining claims as an impediment to development, either for oil and gas or for other activities. This has been a continuing problem that has been resolved time after time by the active work of those who held Federal leases granted to them without a warranty of title.

In this particular instance, I think we should point out two things.